Full&Default Power SA Mode

GSM850 Ant0 Default

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.08	32.57	34.00	23.57	23.08	23.57	25.00
GPRS 1 Tx slot	32.54	32.11	32.45	34.00	23.54	23.11	23.45	25.00
GPRS 2 Tx slots	29.20	29.14	29.18	31.00	23.20	23.14	23.18	25.00
GPRS 3 Tx slots	27.86	27.48	27.46	29.20	23.60	23.22	23.20	24.94
GPRS 4 Tx slots	26.17	26.21	26.18	28.00	23.17	23.21	23.18	25.00
EDGE 1 Tx slot	26.13	26.16	26.11	27.50	17.13	17.16	17.11	18.50
EDGE 2 Tx slots	23.29	23.34	23.46	24.50	17.29	17.34	17.46	18.50
EDGE 3 Tx slots	21.63	21.44	21.61	22.70	17.37	17.18	17.35	18.44
EDGE 4 Tx slots	20.21	20.06	20.44	21.50	17.21	17.06	17.44	18.50

WCDMA V Ant0 Default

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.00	23.99	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.02	23.97	25.00
3GPP Rel 6	HSDPA Subtest-1	22.94	23.03	23.02	24.00
3GPP Rel 6	HSDPA Subtest-2	23.01	23.05	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.55	22.53	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.54	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.02	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	23.07	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.40	22.48	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.55	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.01	23.00	24.00
3GPP Rel 6	HSUPA Subtest-2	20.96	21.03	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	20.99	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.04	23.01	22.99	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.42	20.59	20.58	21.50

Band 5 Ant0 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.17	24.22	24.18	25.5	0
10	QPSK	1	25	24.06	24.13	24.05		
10	QPSK	1	49	24.11	24.20	24.14		
10	QPSK	25	0	23.11	23.19	23.14	24.5	1
10	QPSK	25	12	23.11	23.17	23.10		
10	QPSK	25	25	23.09	23.12	23.15		
10	QPSK	50	0	23.00	23.07	23.06		
10	16QAM	1	0	23.19	23.24	23.20	24.5	1
10	16QAM	1	25	23.34	23.34	23.33		
10	16QAM	1	49	23.10	23.17	23.10		
10	16QAM	25	0	22.13	22.21	22.21	23.5	2
10	16QAM	25	12	22.08	22.10	22.01		
10	16QAM	25	25	22.11	22.15	22.13		
10	16QAM	50	0	22.05	22.13	22.10		
10	64QAM	1	0	22.20	22.22	22.20	23.5	2
10	64QAM	1	25	22.18	22.24	22.26		
10	64QAM	1	49	22.08	22.15	22.12		
10	64QAM	25	0	21.13	21.16	21.18	22.5	3
10	64QAM	25	12	21.07	21.09	21.00		
10	64QAM	25	25	21.22	21.23	21.21		
10	64QAM	50	0	21.05	21.08	21.04		
10	256QAM	1	0	19.09	19.14	19.17	20.5	5
10	256QAM	1	25	19.17	19.21	19.16		
10	256QAM	1	49	19.04	19.08	19.08		
10	256QAM	25	0	19.14	19.21	19.16	20.5	5
10	256QAM	25	12	19.18	19.16	19.17		
10	256QAM	25	25	19.07	19.06	19.03		
10	256QAM	50	0	19.03	19.11	19.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.11	24.19	24.10	25.5	0
5	QPSK	1	12	23.98	24.11	24.00		
5	QPSK	1	24	24.02	24.16	24.14		
5	QPSK	12	0	23.08	23.22	23.09	24.5	1
5	QPSK	12	7	23.14	23.08	23.11		
5	QPSK	12	13	23.07	23.14	23.12		
5	QPSK	25	0	22.92	23.06	23.02		
5	16QAM	1	0	23.11	23.18	23.19	24.5	1
5	16QAM	1	12	23.25	23.36	23.35		
5	16QAM	1	24	23.10	23.14	23.12		
5	16QAM	12	0	22.15	22.22	22.20	23.5	2
5	16QAM	12	7	22.00	22.10	21.92		
5	16QAM	12	13	22.05	22.14	22.13		
5	16QAM	25	0	21.99	22.09	22.03		
5	64QAM	1	0	22.14	22.25	22.12	23.5	2
5	64QAM	1	12	22.18	22.25	22.23		
5	64QAM	1	24	22.10	22.17	22.08		
5	64QAM	12	0	21.05	21.14	21.16	22.5	3
5	64QAM	12	7	21.09	21.05	20.99		
5	64QAM	12	13	21.17	21.25	21.20		
5	64QAM	25	0	20.98	21.09	21.04		
5	256QAM	1	0	19.01	19.13	19.14	20.5	5
5	256QAM	1	12	19.13	19.15	19.16		
5	256QAM	1	24	18.98	19.00	19.01		
5	256QAM	12	0	19.06	19.22	19.13	20.5	5
5	256QAM	12	7	19.13	19.15	19.19		
5	256QAM	12	13	19.00	19.04	19.06		
5	256QAM	25	0	19.00	19.10	19.01		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.16	24.12	25.5	0
3	QPSK	1	8	23.98	24.14	24.00		
3	QPSK	1	14	24.14	24.18	24.09		
3	QPSK	8	0	23.13	23.14	23.05	24.5	1
3	QPSK	8	4	23.04	23.14	23.04		
3	QPSK	8	7	23.11	23.12	23.07		
3	QPSK	15	0	22.98	23.02	23.00		
3	16QAM	1	0	23.20	23.25	23.18	24.5	1
3	16QAM	1	8	23.34	23.34	23.34		
3	16QAM	1	14	23.03	23.17	23.12		
3	16QAM	8	0	22.11	22.15	22.14	23.5	2
3	16QAM	8	4	22.05	22.07	21.99		
3	16QAM	8	7	22.04	22.09	22.08		
3	16QAM	15	0	22.00	22.04	22.02		
3	64QAM	1	0	22.15	22.16	22.16	23.5	2
3	64QAM	1	8	22.12	22.23	22.25		
3	64QAM	1	14	21.99	22.16	22.12		
3	64QAM	8	0	21.14	21.13	21.20	22.5	3
3	64QAM	8	4	21.04	21.12	20.98		
3	64QAM	8	7	21.24	21.15	21.24		
3	64QAM	15	0	21.07	21.03	20.96		
3	256QAM	1	0	19.12	19.10	19.19	20.5	5
3	256QAM	1	8	19.15	19.19	19.16		
3	256QAM	1	14	19.00	19.04	19.08		
3	256QAM	8	0	19.16	19.15	19.17	20.5	5
3	256QAM	8	4	19.14	19.13	19.13		
3	256QAM	8	7	19.01	19.03	19.02		
3	256QAM	15	0	19.05	19.14	19.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.15	24.16	24.21	25.5	0
1.4	QPSK	1	3	24.06	24.13	24.02		
1.4	QPSK	1	5	24.03	24.17	24.10		
1.4	QPSK	3	0	24.10	24.13	24.15		
1.4	QPSK	3	1	24.07	24.05	24.07		
1.4	QPSK	3	3	24.04	24.20	24.11		
1.4	QPSK	6	0	23.03	23.16	23.08	24.5	1
1.4	16QAM	1	0	23.11	23.15	23.03	24.5	1
1.4	16QAM	1	3	23.09	23.09	23.10		
1.4	16QAM	1	5	22.97	23.02	23.04		
1.4	16QAM	3	0	23.12	23.24	23.20		
1.4	16QAM	3	1	23.28	23.27	23.24		
1.4	16QAM	3	3	23.04	23.10	23.12		
1.4	16QAM	6	0	22.15	22.19	22.23	23.5	2
1.4	64QAM	1	0	22.05	22.12	21.95	23.5	2
1.4	64QAM	1	3	22.12	22.09	22.12		
1.4	64QAM	1	5	22.00	22.07	22.07		
1.4	64QAM	3	0	22.18	22.24	22.11		
1.4	64QAM	3	1	22.19	22.16	22.22		
1.4	64QAM	3	3	22.01	22.11	22.14		
1.4	64QAM	6	0	21.09	21.11	21.17	22.5	3
1.4	256QAM	1	0	19.03	19.16	19.17	20.5	5
1.4	256QAM	1	3	19.18	19.20	19.09		
1.4	256QAM	1	5	18.97	19.03	19.03		
1.4	256QAM	3	0	19.11	19.18	19.19		
1.4	256QAM	3	1	19.12	19.16	19.14		
1.4	256QAM	3	3	19.09	19.04	18.95		
1.4	256QAM	6	0	19.01	19.11	19.01	20.5	5

Band 26 Ant0 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.18	24.23	24.11	25.5	0
15	QPSK	1	37	24.14	24.21	24.04		
15	QPSK	1	74	24.13	24.18	24.10		
15	QPSK	36	0	23.18	23.21	23.15	24.5	1
15	QPSK	36	20	23.14	23.20	23.03		
15	QPSK	36	39	23.15	23.12	23.13		
15	QPSK	75	0	23.14	23.18	23.13		
15	16QAM	1	0	23.11	23.13	23.03	24.5	1
15	16QAM	1	37	23.10	23.11	22.93		
15	16QAM	1	74	23.10	23.09	23.05		
15	16QAM	36	0	22.18	22.25	22.20	23.5	2
15	16QAM	36	20	22.20	22.19	22.04		
15	16QAM	36	39	22.10	22.10	22.16		
15	16QAM	75	0	22.13	22.19	22.19		
15	64QAM	1	0	22.05	22.18	22.09	23.5	2
15	64QAM	1	37	22.15	22.10	21.90		
15	64QAM	1	74	22.07	22.03	22.10		
15	64QAM	36	0	21.16	21.23	21.15	22.5	3
15	64QAM	36	20	21.08	21.21	21.02		
15	64QAM	36	39	21.14	21.07	21.15		
15	64QAM	75	0	21.14	21.23	21.16		
15	256QAM	1	0	19.17	19.26	19.13	20.5	5
15	256QAM	1	37	19.15	19.17	19.08		
15	256QAM	1	74	19.14	19.14	19.12		
15	256QAM	36	0	19.13	19.14	19.13	20.5	5
15	256QAM	36	20	19.09	19.09	19.05		
15	256QAM	36	39	19.09	19.17	18.90		
15	256QAM	75	0	19.15	19.08	19.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.09	24.21	24.02	25.5	0
10	QPSK	1	25	24.09	24.15	24.02		
10	QPSK	1	49	24.12	24.11	24.12		
10	QPSK	25	0	23.12	23.15	23.10	24.5	1
10	QPSK	25	12	23.10	23.13	22.94		
10	QPSK	25	25	23.12	23.04	23.15		
10	QPSK	50	0	23.08	23.16	23.05		
10	16QAM	1	0	23.03	23.08	22.95	24.5	1
10	16QAM	1	25	23.02	23.12	22.92		
10	16QAM	1	49	23.11	23.01	23.06		
10	16QAM	25	0	22.20	22.26	22.17	23.5	2
10	16QAM	25	12	22.16	22.15	22.07		
10	16QAM	25	25	22.07	22.09	22.11		
10	16QAM	50	0	22.07	22.19	22.13		
10	64QAM	1	0	21.99	22.17	22.06	23.5	2
10	64QAM	1	25	22.14	22.12	21.93		
10	64QAM	1	49	22.01	21.99	22.04		
10	64QAM	25	0	21.13	21.24	21.08	22.5	3
10	64QAM	25	12	21.05	21.17	21.04		
10	64QAM	25	25	21.14	21.10	21.11		
10	64QAM	50	0	21.15	21.18	21.17		
10	256QAM	1	0	19.09	19.27	19.07	20.5	5
10	256QAM	1	25	19.17	19.13	19.11		
10	256QAM	1	49	19.14	19.12	19.08		
10	256QAM	25	0	19.05	19.08	19.06	20.5	5
10	256QAM	25	12	19.12	19.06	19.01		
10	256QAM	25	25	19.10	19.14	18.83		
10	256QAM	50	0	19.13	19.10	19.08		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.15	24.22	24.04	25.5	0
5	QPSK	1	12	24.14	24.22	23.96		
5	QPSK	1	24	24.06	24.17	24.03		
5	QPSK	12	0	23.14	23.13	23.13	24.5	1
5	QPSK	12	7	23.13	23.21	23.04		
5	QPSK	12	13	23.10	23.12	23.10		
5	QPSK	25	0	23.14	23.10	23.09		
5	16QAM	1	0	23.12	23.15	22.98	24.5	1
5	16QAM	1	12	23.08	23.02	22.86		
5	16QAM	1	24	23.05	23.00	23.00		
5	16QAM	12	0	22.16	22.22	22.21	23.5	2
5	16QAM	12	7	22.14	22.20	22.04		
5	16QAM	12	13	22.02	22.11	22.08		
5	16QAM	25	0	22.13	22.13	22.16		
5	64QAM	1	0	22.03	22.21	22.07	23.5	2
5	64QAM	1	12	22.18	22.09	21.84		
5	64QAM	1	24	22.09	21.97	22.05		
5	64QAM	12	0	21.07	21.25	21.07	22.5	3
5	64QAM	12	7	21.02	21.22	20.95		
5	64QAM	12	13	21.07	21.02	21.13		
5	64QAM	25	0	21.07	21.22	21.18		
5	256QAM	1	0	19.18	19.26	19.09	20.5	5
5	256QAM	1	12	19.17	19.17	19.01		
5	256QAM	1	24	19.12	19.09	19.05		
5	256QAM	12	0	19.05	19.09	19.11	20.5	5
5	256QAM	12	7	19.10	19.04	19.06		
5	256QAM	12	13	19.10	19.09	18.86		
5	256QAM	25	0	19.07	18.99	18.97		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.14	24.21	24.06	25.5	0
3	QPSK	1	8	24.16	24.15	24.01		
3	QPSK	1	14	24.15	24.09	24.03		
3	QPSK	8	0	23.15	23.15	23.11	24.5	1
3	QPSK	8	4	23.15	23.14	23.02		
3	QPSK	8	7	23.18	23.10	23.05		
3	QPSK	15	0	23.11	23.14	23.10		
3	16QAM	1	0	23.04	23.04	22.98	24.5	1
3	16QAM	1	8	23.12	23.10	22.93		
3	16QAM	1	14	23.12	23.11	23.06		
3	16QAM	8	0	22.14	22.25	22.15	23.5	2
3	16QAM	8	4	22.18	22.20	21.99		
3	16QAM	8	7	22.06	22.02	22.17		
3	16QAM	15	0	22.09	22.16	22.11		
3	64QAM	1	0	22.05	22.19	22.04	23.5	2
3	64QAM	1	8	22.08	22.07	21.83		
3	64QAM	1	14	22.06	22.05	22.02		
3	64QAM	8	0	21.10	21.22	21.07	22.5	3
3	64QAM	8	4	21.06	21.23	21.02		
3	64QAM	8	7	21.06	21.03	21.09		
3	64QAM	15	0	21.08	21.19	21.13		
3	256QAM	1	0	19.19	19.20	19.08	20.5	5
3	256QAM	1	8	19.15	19.19	19.08		
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.09	19.10	19.06	20.5	5
3	256QAM	8	4	19.08	19.09	19.06		
3	256QAM	8	7	19.07	19.12	18.88		
3	256QAM	15	0	19.08	19.09	19.08		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.19	24.22	24.10	25.5	0
1.4	QPSK	1	3	24.15	24.19	23.98		
1.4	QPSK	1	5	24.08	24.10	24.07		
1.4	QPSK	3	0	24.13	24.21	24.09		
1.4	QPSK	3	1	24.06	24.15	24.07		
1.4	QPSK	3	3	24.09	24.09	24.07		
1.4	QPSK	6	0	23.10	23.18	23.14	24.5	1
1.4	16QAM	1	0	23.12	23.14	22.95	24.5	1
1.4	16QAM	1	3	23.16	23.12	23.14		
1.4	16QAM	1	5	23.08	23.18	23.05		
1.4	16QAM	3	0	23.07	23.14	23.02		
1.4	16QAM	3	1	23.07	23.02	22.94		
1.4	16QAM	3	3	23.07	23.01	22.98		
1.4	16QAM	6	0	22.11	22.21	22.14	23.5	2
1.4	64QAM	1	0	22.14	22.15	21.99	23.5	2
1.4	64QAM	1	3	22.09	22.04	22.18		
1.4	64QAM	1	5	22.04	22.10	22.11		
1.4	64QAM	3	0	22.02	22.15	22.06		
1.4	64QAM	3	1	22.15	22.04	21.87		
1.4	64QAM	3	3	22.02	21.96	22.01		
1.4	64QAM	6	0	21.11	21.22	21.06	22.5	3
1.4	256QAM	1	0	19.09	19.20	19.08	20.5	5
1.4	256QAM	1	3	19.10	19.10	19.09		
1.4	256QAM	1	5	19.08	19.14	19.12		
1.4	256QAM	3	0	19.14	19.16	19.06		
1.4	256QAM	3	1	19.02	19.00	19.07		
1.4	256QAM	3	3	19.11	19.20	18.88		
1.4	256QAM	6	0	19.12	19.09	19.07	20.5	5

GSM850 Ant1 Default

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.47	32.45	32.51	34.00	23.47	23.45	23.51	25.00
GPRS 1 Tx slot	32.53	32.55	32.64	34.00	23.53	23.55	23.64	25.00
GPRS 2 Tx slots	29.57	29.51	29.46	31.00	23.57	23.51	23.46	25.00
GPRS 3 Tx slots	27.52	27.64	27.61	29.20	23.26	23.38	23.35	24.94
GPRS 4 Tx slots	26.14	26.20	26.05	28.00	23.14	23.20	23.05	25.00
EDGE 1 Tx slot	25.96	25.97	25.74	27.50	16.96	16.97	16.74	18.50
EDGE 2 Tx slots	23.42	23.58	23.25	24.50	17.42	17.58	17.25	18.50
EDGE 3 Tx slots	21.57	21.68	21.58	22.70	17.31	17.42	17.32	18.44
EDGE 4 Tx slots	20.31	20.32	20.33	21.50	17.31	17.32	17.33	18.50

WCDMA V Ant1 Default

Band		WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.40	23.46	23.42	25.00
3GPP Rel 99	RMC 12.2Kbps	23.48	23.54	23.44	25.00
3GPP Rel 6	HSDPA Subtest-1	22.48	22.52	22.50	24.00
3GPP Rel 6	HSDPA Subtest-2	22.47	22.50	22.40	24.00
3GPP Rel 6	HSDPA Subtest-3	22.01	22.05	21.97	23.50
3GPP Rel 6	HSDPA Subtest-4	21.93	22.02	21.84	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.43	22.50	22.42	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.47	22.52	22.48	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.97	22.02	22.05	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.96	22.02	21.92	23.50
3GPP Rel 6	HSUPA Subtest-1	22.47	22.49	22.40	24.00
3GPP Rel 6	HSUPA Subtest-2	20.46	20.54	20.51	22.00
3GPP Rel 6	HSUPA Subtest-3	21.44	21.55	21.52	23.00
3GPP Rel 6	HSUPA Subtest-4	20.46	20.47	20.47	22.00
3GPP Rel 6	HSUPA Subtest-5	22.45	22.49	22.44	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.95	20.00	19.95	21.50

Band 5 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.03	24.08	23.96	25.5	0
10	QPSK	1	25	24.01	24.00	23.87		
10	QPSK	1	49	23.94	24.03	23.90		
10	QPSK	25	0	22.96	23.04	23.02	24.5	1
10	QPSK	25	12	22.97	22.96	22.95		
10	QPSK	25	25	22.92	23.00	22.98		
10	QPSK	50	0	23.00	23.02	23.01		
10	16QAM	1	0	23.29	23.28	23.27	24.5	1
10	16QAM	1	25	23.18	23.27	23.23		
10	16QAM	1	49	23.22	23.30	23.30		
10	16QAM	25	0	22.14	22.16	22.17	23.5	2
10	16QAM	25	12	22.04	22.09	22.01		
10	16QAM	25	25	22.17	22.15	22.16		
10	16QAM	50	0	22.08	22.11	22.05		
10	64QAM	1	0	22.03	22.06	22.06	23.5	2
10	64QAM	1	25	21.94	22.00	21.94		
10	64QAM	1	49	21.98	22.05	22.07		
10	64QAM	25	0	21.05	21.04	21.03	22.5	3
10	64QAM	25	12	21.03	21.00	20.97		
10	64QAM	25	25	21.01	20.99	21.02		
10	64QAM	50	0	20.93	20.99	21.01		
10	256QAM	1	0	19.02	19.02	19.03	20.5	5
10	256QAM	1	25	19.00	19.00	19.02		
10	256QAM	1	49	18.95	18.95	18.93		
10	256QAM	25	0	18.94	18.99	18.96	20.5	5
10	256QAM	25	12	18.94	18.94	18.87		
10	256QAM	25	25	18.86	18.94	18.93		
10	256QAM	50	0	18.84	18.91	18.82		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.02	24.05	24.03	25.5	0
5	QPSK	1	12	24.06	24.05	24.03		
5	QPSK	1	24	24.02	24.07	24.01		
5	QPSK	12	0	22.95	23.06	22.93	24.5	1
5	QPSK	12	7	22.90	22.88	22.91		
5	QPSK	12	13	22.95	22.99	22.98		
5	QPSK	25	0	22.98	22.96	22.96		
5	16QAM	1	0	23.24	23.23	23.25	24.5	1
5	16QAM	1	12	23.14	23.26	23.17		
5	16QAM	1	24	23.22	23.27	23.26		
5	16QAM	12	0	22.10	22.12	22.08	23.5	2
5	16QAM	12	7	21.97	22.10	21.97		
5	16QAM	12	13	22.19	22.08	22.07		
5	16QAM	25	0	22.03	22.08	22.03		
5	64QAM	1	0	21.97	21.98	22.05	23.5	2
5	64QAM	1	12	21.91	21.96	21.88		
5	64QAM	1	24	21.99	22.07	22.00		
5	64QAM	12	0	21.00	21.05	20.97	22.5	3
5	64QAM	12	7	20.95	21.00	20.99		
5	64QAM	12	13	20.93	21.00	21.02		
5	64QAM	25	0	20.84	20.97	21.00		
5	256QAM	1	0	18.97	19.02	18.96	20.5	5
5	256QAM	1	12	18.91	19.02	19.03		
5	256QAM	1	24	18.95	18.88	18.89		
5	256QAM	12	0	18.94	18.91	18.90	20.5	5
5	256QAM	12	7	18.88	18.89	18.80		
5	256QAM	12	13	18.83	18.94	18.93		
5	256QAM	25	0	18.85	18.90	18.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.04	24.07	24.06	25.5	0
3	QPSK	1	8	24.01	24.06	24.04		
3	QPSK	1	14	23.95	24.03	24.01		
3	QPSK	8	0	22.92	22.98	23.01	24.5	1
3	QPSK	8	4	22.95	22.94	22.88		
3	QPSK	8	7	22.90	22.92	22.98		
3	QPSK	15	0	22.95	22.97	22.95		
3	16QAM	1	0	23.26	23.26	23.29	24.5	1
3	16QAM	1	8	23.12	23.28	23.18		
3	16QAM	1	14	23.18	23.33	23.25		
3	16QAM	8	0	22.15	22.14	22.13	23.5	2
3	16QAM	8	4	22.03	22.02	21.92		
3	16QAM	8	7	22.18	22.06	22.10		
3	16QAM	15	0	22.03	22.12	22.01		
3	64QAM	1	0	21.94	22.02	22.00	23.5	2
3	64QAM	1	8	21.86	22.00	21.94		
3	64QAM	1	14	21.99	22.05	22.08		
3	64QAM	8	0	20.99	20.99	21.01	22.5	3
3	64QAM	8	4	21.06	20.92	20.94		
3	64QAM	8	7	20.92	20.95	21.00		
3	64QAM	15	0	20.87	20.90	21.01		
3	256QAM	1	0	18.93	18.97	19.06	20.5	5
3	256QAM	1	8	19.02	19.00	18.97		
3	256QAM	1	14	18.95	18.92	18.96		
3	256QAM	8	0	18.92	18.91	18.98	20.5	5
3	256QAM	8	4	18.86	18.95	18.90		
3	256QAM	8	7	18.79	18.86	18.86		
3	256QAM	15	0	18.77	18.85	18.81		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.01	24.06	24.05	25.5	0
1.4	QPSK	1	3	24.07	24.07	24.05		
1.4	QPSK	1	5	23.93	24.02	24.05		
1.4	QPSK	3	0	24.01	24.07	24.03		
1.4	QPSK	3	1	24.05	24.07	24.02		
1.4	QPSK	3	3	24.02	24.06	24.05		
1.4	QPSK	6	0	22.88	23.05	23.05	24.5	1
1.4	16QAM	1	0	22.99	22.90	22.87	24.5	1
1.4	16QAM	1	3	22.85	22.98	22.94		
1.4	16QAM	1	5	22.92	22.97	23.01		
1.4	16QAM	3	0	23.27	23.27	23.24		
1.4	16QAM	3	1	23.09	23.27	23.21		
1.4	16QAM	3	3	23.23	23.25	23.27		
1.4	16QAM	6	0	22.07	22.19	22.11	23.5	2
1.4	64QAM	1	0	21.99	22.02	21.92	23.5	2
1.4	64QAM	1	3	22.20	22.07	22.09		
1.4	64QAM	1	5	22.10	22.13	22.02		
1.4	64QAM	3	0	22.05	21.97	22.09		
1.4	64QAM	3	1	21.91	22.01	21.89		
1.4	64QAM	3	3	21.89	22.05	22.00		
1.4	64QAM	6	0	20.94	21.01	20.97	22.5	3
1.4	256QAM	1	0	18.94	19.00	18.98	20.5	5
1.4	256QAM	1	3	18.93	19.02	19.01		
1.4	256QAM	1	5	18.87	18.93	18.93		
1.4	256QAM	3	0	18.91	19.00	18.94		
1.4	256QAM	3	1	18.95	18.97	18.81		
1.4	256QAM	3	3	18.78	18.92	18.95		
1.4	256QAM	6	0	18.80	18.86	18.82	20.5	5

Band 26 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.09	24.15	24.11	25.5	0
15	QPSK	1	37	24.14	24.13	24.13		
15	QPSK	1	74	24.02	24.08	24.09		
15	QPSK	36	0	23.03	23.11	22.98	24.5	1
15	QPSK	36	20	22.99	23.04	22.92		
15	QPSK	36	39	23.00	23.06	22.95		
15	QPSK	75	0	23.02	23.09	23.00		
15	16QAM	1	0	23.06	23.04	22.94	24.5	1
15	16QAM	1	37	23.01	23.03	22.89		
15	16QAM	1	74	22.89	22.98	22.84		
15	16QAM	36	0	21.99	22.05	22.00	23.5	2
15	16QAM	36	20	22.05	22.07	21.91		
15	16QAM	36	39	21.98	22.06	21.92		
15	16QAM	75	0	22.08	22.05	21.97		
15	64QAM	1	0	22.11	22.05	21.88	23.5	2
15	64QAM	1	37	22.02	22.01	21.94		
15	64QAM	1	74	21.86	21.94	21.87		
15	64QAM	36	0	20.97	21.12	20.94	22.5	3
15	64QAM	36	20	21.02	21.05	20.94		
15	64QAM	36	39	20.96	21.05	20.90		
15	64QAM	75	0	20.97	21.10	21.00		
15	256QAM	1	0	19.07	19.07	18.95	20.5	5
15	256QAM	1	37	19.02	19.06	18.87		
15	256QAM	1	74	19.01	19.06	18.90		
15	256QAM	36	0	18.97	19.11	18.96	20.5	5
15	256QAM	36	20	19.10	19.07	18.94		
15	256QAM	36	39	19.06	19.03	18.93		
15	256QAM	75	0	18.88	18.95	18.79		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.02	24.02	23.97	25.5	0
10	QPSK	1	25	24.03	24.03	23.82		
10	QPSK	1	49	23.90	24.00	23.88		
10	QPSK	25	0	23.04	23.05	22.96	24.5	1
10	QPSK	25	12	22.93	23.07	22.87		
10	QPSK	25	25	23.02	23.05	22.93		
10	QPSK	50	0	23.00	23.02	23.01		
10	16QAM	1	0	22.98	22.98	22.89	24.5	1
10	16QAM	1	25	22.93	22.99	22.89		
10	16QAM	1	49	22.90	23.00	22.87		
10	16QAM	25	0	21.97	22.08	21.91	23.5	2
10	16QAM	25	12	22.08	22.07	21.83		
10	16QAM	25	25	21.91	21.98	21.94		
10	16QAM	50	0	22.04	22.03	21.95		
10	64QAM	1	0	22.05	22.07	21.82	23.5	2
10	64QAM	1	25	22.03	22.01	21.88		
10	64QAM	1	49	21.86	21.88	21.83		
10	64QAM	25	0	20.97	21.10	20.87	22.5	3
10	64QAM	25	12	20.95	21.03	20.89		
10	64QAM	25	25	20.95	20.97	20.84		
10	64QAM	50	0	20.93	21.06	21.01		
10	256QAM	1	0	19.06	19.02	18.97	20.5	5
10	256QAM	1	25	19.01	19.00	18.79		
10	256QAM	1	49	18.99	19.04	18.83		
10	256QAM	25	0	18.95	19.06	18.91	20.5	5
10	256QAM	25	12	19.03	19.08	18.89		
10	256QAM	25	25	18.99	19.00	18.90		
10	256QAM	50	0	18.81	18.93	18.72		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	23.96	24.06	23.97	25.5	0
5	QPSK	1	12	23.94	23.92	23.85		
5	QPSK	1	24	23.85	23.98	23.85		
5	QPSK	12	0	22.97	23.07	22.94	24.5	1
5	QPSK	12	7	23.01	23.00	22.89		
5	QPSK	12	13	23.01	23.01	22.92		
5	QPSK	25	0	23.02	23.07	22.92		
5	16QAM	1	0	22.98	23.06	22.89	24.5	1
5	16QAM	1	12	22.98	22.95	22.85		
5	16QAM	1	24	22.86	22.95	22.82		
5	16QAM	12	0	21.90	22.02	21.95	23.5	2
5	16QAM	12	7	22.02	22.02	21.91		
5	16QAM	12	13	21.93	22.05	21.92		
5	16QAM	25	0	22.05	21.97	21.89		
5	64QAM	1	0	22.06	21.97	21.88	23.5	2
5	64QAM	1	12	22.02	21.97	21.88		
5	64QAM	1	24	21.84	21.87	21.89		
5	64QAM	12	0	20.96	21.09	20.95	22.5	3
5	64QAM	12	7	21.01	21.03	20.88		
5	64QAM	12	13	20.92	21.02	20.89		
5	64QAM	25	0	20.98	21.02	21.03		
5	256QAM	1	0	18.99	19.08	18.91	20.5	5
5	256QAM	1	12	18.96	19.03	18.83		
5	256QAM	1	24	18.98	19.01	18.81		
5	256QAM	12	0	18.93	19.02	18.99	20.5	5
5	256QAM	12	7	19.09	19.01	18.85		
5	256QAM	12	13	18.97	19.02	18.92		
5	256QAM	25	0	18.87	18.91	18.73		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.02	24.01	23.98	25.5	0
3	QPSK	1	8	24.00	23.97	23.87		
3	QPSK	1	14	23.95	23.95	23.86		
3	QPSK	8	0	23.02	23.04	22.91	24.5	1
3	QPSK	8	4	23.02	23.06	22.89		
3	QPSK	8	7	23.02	23.08	22.97		
3	QPSK	15	0	22.99	23.04	22.98		
3	16QAM	1	0	23.05	23.06	22.94	24.5	1
3	16QAM	1	8	22.96	23.02	22.91		
3	16QAM	1	14	22.86	22.96	22.85		
3	16QAM	8	0	21.98	22.07	21.94	23.5	2
3	16QAM	8	4	22.02	22.01	21.84		
3	16QAM	8	7	21.96	22.08	21.92		
3	16QAM	15	0	22.10	21.98	21.96		
3	64QAM	1	0	22.11	21.98	21.85	23.5	2
3	64QAM	1	8	22.02	22.01	21.87		
3	64QAM	1	14	21.87	21.89	21.89		
3	64QAM	8	0	20.97	21.10	20.94	22.5	3
3	64QAM	8	4	21.01	21.08	20.87		
3	64QAM	8	7	20.88	21.01	20.87		
3	64QAM	15	0	20.97	21.05	20.94		
3	256QAM	1	0	19.05	19.00	18.93	20.5	5
3	256QAM	1	8	18.99	19.08	18.87		
3	256QAM	1	14	18.97	19.00	18.90		
3	256QAM	8	0	18.90	19.04	18.98	20.5	5
3	256QAM	8	4	19.07	19.01	18.91		
3	256QAM	8	7	18.98	19.01	18.94		
3	256QAM	15	0	18.62	18.62	18.57		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.05	24.06	23.95	25.5	0
1.4	QPSK	1	3	24.01	23.95	23.87		
1.4	QPSK	1	5	23.93	24.06	23.85		
1.4	QPSK	3	0	24.04	24.01	23.88		
1.4	QPSK	3	1	23.99	24.01	23.84		
1.4	QPSK	3	3	23.85	23.98	23.89		
1.4	QPSK	6	0	23.00	23.12	22.91	24.5	1
1.4	16QAM	1	0	22.92	23.00	22.92	24.5	1
1.4	16QAM	1	3	22.99	22.99	22.92		
1.4	16QAM	1	5	23.04	23.03	22.92		
1.4	16QAM	3	0	23.05	23.01	22.94		
1.4	16QAM	3	1	22.98	22.99	22.87		
1.4	16QAM	3	3	22.82	22.99	22.80		
1.4	16QAM	6	0	21.94	21.98	22.02	23.5	2
1.4	64QAM	1	0	22.07	22.09	21.88	23.5	2
1.4	64QAM	1	3	22.00	21.98	21.94		
1.4	64QAM	1	5	22.02	22.00	21.95		
1.4	64QAM	3	0	22.13	22.06	21.88		
1.4	64QAM	3	1	21.97	22.02	21.87		
1.4	64QAM	3	3	21.84	21.94	21.84		
1.4	64QAM	6	0	21.00	21.13	20.90	22.5	3
1.4	256QAM	1	0	19.00	19.01	18.97	20.5	5
1.4	256QAM	1	3	18.95	18.99	18.80		
1.4	256QAM	1	5	18.99	19.01	18.84		
1.4	256QAM	3	0	18.90	19.13	18.98		
1.4	256QAM	3	1	19.12	19.04	18.88		
1.4	256QAM	3	3	19.08	18.96	18.95		
1.4	256QAM	6	0	18.80	18.89	18.80	20.5	5

Band 42 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.48	23.57	23.51	24.5	0
20	QPSK	1	49	23.52	23.53	23.55		
20	QPSK	1	99	23.47	23.50	23.44		
20	QPSK	50	0	22.47	22.55	22.47	23.5	1
20	QPSK	50	24	22.52	22.53	22.48		
20	QPSK	50	50	22.48	22.46	22.41		
20	QPSK	100	0	22.45	22.52	22.49		
20	16QAM	1	0	22.66	22.67	22.66	23.5	1
20	16QAM	1	49	22.61	22.65	22.65		
20	16QAM	1	99	22.56	22.61	22.52		
20	16QAM	50	0	21.65	21.63	21.64	22.5	2
20	16QAM	50	24	21.60	21.58	21.50		
20	16QAM	50	50	21.59	21.64	21.56		
20	16QAM	100	0	21.62	21.61	21.61		
20	64QAM	1	0	21.53	21.56	21.58	22.5	2
20	64QAM	1	49	21.50	21.58	21.56		
20	64QAM	1	99	21.57	21.62	21.64		
20	64QAM	50	0	20.46	20.43	20.41	21.5	3
20	64QAM	50	24	20.46	20.49	20.46		
20	64QAM	50	50	20.48	20.50	20.43		
20	64QAM	100	0	20.42	20.42	20.38		
20	256QAM	1	0	18.74	18.71	18.71	19.5	5
20	256QAM	1	49	18.70	18.69	18.71		
20	256QAM	1	99	18.67	18.70	18.69		
20	256QAM	50	0	18.60	18.63	18.55	19.5	5
20	256QAM	50	24	18.62	18.66	18.64		
20	256QAM	50	50	18.56	18.64	18.64		
20	256QAM	100	0	18.59	18.57	18.48		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.44	23.55	23.47	24.5	0
15	QPSK	1	37	23.48	23.56	23.47		
15	QPSK	1	74	23.39	23.41	23.43		
15	QPSK	36	0	22.45	22.48	22.45	23.5	1
15	QPSK	36	20	22.55	22.49	22.46		
15	QPSK	36	39	22.41	22.45	22.42		
15	QPSK	75	0	22.42	22.48	22.47		
15	16QAM	1	0	22.63	22.66	22.58	23.5	1
15	16QAM	1	37	22.57	22.64	22.63		
15	16QAM	1	74	22.52	22.57	22.51		
15	16QAM	36	0	21.61	21.64	21.64	22.5	2
15	16QAM	36	20	21.60	21.61	21.47		
15	16QAM	36	39	21.57	21.61	21.57		
15	16QAM	75	0	21.55	21.59	21.56		
15	64QAM	1	0	21.54	21.57	21.61	22.5	2
15	64QAM	1	37	21.42	21.57	21.52		
15	64QAM	1	74	21.60	21.59	21.67		
15	64QAM	36	0	20.39	20.39	20.39	21.5	3
15	64QAM	36	20	20.48	20.43	20.40		
15	64QAM	36	39	20.49	20.47	20.37		
15	64QAM	75	0	20.38	20.44	20.36		
15	256QAM	1	0	18.74	18.69	18.69	19.5	5
15	256QAM	1	37	18.73	18.60	18.73		
15	256QAM	1	74	18.66	18.63	18.61		
15	256QAM	36	0	18.57	18.57	18.57	19.5	5
15	256QAM	36	20	18.57	18.66	18.62		
15	256QAM	36	39	18.53	18.60	18.59		
15	256QAM	75	0	18.51	18.54	18.45		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.40	23.51	23.45	24.5	0
10	QPSK	1	25	23.47	23.49	23.48		
10	QPSK	1	49	23.46	23.44	23.47		
10	QPSK	25	0	22.47	22.55	22.46	23.5	1
10	QPSK	25	12	22.48	22.55	22.49		
10	QPSK	25	25	22.44	22.49	22.37		
10	QPSK	50	0	22.37	22.49	22.46		
10	16QAM	1	0	22.68	22.65	22.60	23.5	1
10	16QAM	1	25	22.53	22.60	22.57		
10	16QAM	1	49	22.51	22.63	22.52		
10	16QAM	25	0	21.63	21.65	21.63	22.5	2
10	16QAM	25	12	21.51	21.49	21.48		
10	16QAM	25	25	21.54	21.55	21.54		
10	16QAM	50	0	21.63	21.53	21.55		
10	64QAM	1	0	21.53	21.53	21.57	22.5	2
10	64QAM	1	25	21.47	21.60	21.55		
10	64QAM	1	49	21.51	21.63	21.61		
10	64QAM	25	0	20.42	20.39	20.32	21.5	3
10	64QAM	25	12	20.49	20.46	20.40		
10	64QAM	25	25	20.40	20.48	20.41		
10	64QAM	50	0	20.37	20.44	20.31		
10	256QAM	1	0	18.69	18.72	18.66	19.5	5
10	256QAM	1	25	18.66	18.61	18.69		
10	256QAM	1	49	18.64	18.69	18.66		
10	256QAM	25	0	18.62	18.60	18.51	19.5	5
10	256QAM	25	12	18.55	18.69	18.55		
10	256QAM	25	25	18.53	18.63	18.63		
10	256QAM	50	0	18.56	18.54	18.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.42	23.53	23.53	24.5	0
5	QPSK	1	12	23.43	23.53	23.53		
5	QPSK	1	24	23.44	23.43	23.44		
5	QPSK	12	0	22.39	22.58	22.42	23.5	1
5	QPSK	12	7	22.45	22.54	22.42		
5	QPSK	12	13	22.42	22.48	22.37		
5	QPSK	25	0	22.44	22.49	22.43		
5	16QAM	1	0	22.62	22.61	22.63	23.5	1
5	16QAM	1	12	22.61	22.59	22.68		
5	16QAM	1	24	22.50	22.60	22.55		
5	16QAM	12	0	21.56	21.54	21.63	22.5	2
5	16QAM	12	7	21.53	21.60	21.44		
5	16QAM	12	13	21.56	21.57	21.53		
5	16QAM	25	0	21.56	21.52	21.52		
5	64QAM	1	0	21.54	21.56	21.51	22.5	2
5	64QAM	1	12	21.43	21.53	21.51		
5	64QAM	1	24	21.57	21.61	21.56		
5	64QAM	12	0	20.43	20.38	20.41	21.5	3
5	64QAM	12	7	20.46	20.49	20.44		
5	64QAM	12	13	20.49	20.44	20.42		
5	64QAM	25	0	20.34	20.42	20.30		
5	256QAM	1	0	18.70	18.64	18.71	19.5	5
5	256QAM	1	12	18.65	18.63	18.71		
5	256QAM	1	24	18.69	18.67	18.62		
5	256QAM	12	0	18.55	18.54	18.49	19.5	5
5	256QAM	12	7	18.63	18.59	18.61		
5	256QAM	12	13	18.56	18.64	18.64		
5	256QAM	25	0	18.51	18.54	18.40		

Band 48 Ant1 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.82	23.13	23.11	23.09	24.5	0
20	QPSK	1	49	22.82	23.09	23.02	23.05		
20	QPSK	1	99	22.77	23.05	23.11	23.08		
20	QPSK	50	0	21.76	22.18	22.08	22.03	23.5	1
20	QPSK	50	24	21.76	22.06	22.07	22.05		
20	QPSK	50	50	21.81	22.11	22.16	22.08		
20	QPSK	100	0	21.88	22.16	22.13	22.12		
20	16QAM	1	0	21.77	22.13	22.17	22.06	23.5	1
20	16QAM	1	49	21.79	22.15	21.98	22.09		
20	16QAM	1	99	21.74	22.10	22.14	22.02		
20	16QAM	50	0	20.81	21.17	21.06	20.99	22.5	2
20	16QAM	50	24	20.76	21.09	21.02	21.09		
20	16QAM	50	50	20.81	21.09	21.10	21.13		
20	16QAM	100	0	20.86	21.21	21.17	21.11		
20	64QAM	1	0	20.82	21.17	21.22	21.02	22.5	2
20	64QAM	1	49	20.82	21.18	21.01	21.06		
20	64QAM	1	99	20.72	21.12	21.16	21.05		
20	64QAM	50	0	19.80	20.14	20.08	20.01	21.5	3
20	64QAM	50	24	19.71	20.10	20.13	20.03		
20	64QAM	50	50	19.85	20.11	20.19	20.06		
20	64QAM	100	0	19.85	20.14	20.19	20.11		
20	256QAM	1	0	17.77	18.13	18.03	18.08	19.5	5
20	256QAM	1	49	17.72	18.03	18.10	18.00		
20	256QAM	1	99	17.76	18.11	18.11	18.09		
20	256QAM	50	0	17.92	18.20	18.15	18.11	19.5	5
20	256QAM	50	24	17.79	18.13	18.17	18.01		
20	256QAM	50	50	17.75	18.16	18.04	18.14		
20	256QAM	100	0	17.79	18.11	18.18	18.07		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.82	23.11	23.07	23.06	24.5	0
15	QPSK	1	37	22.84	23.09	22.98	23.07		
15	QPSK	1	74	22.78	23.00	23.08	23.00		
15	QPSK	36	0	21.71	22.09	22.02	21.99	23.5	1
15	QPSK	36	20	21.76	22.01	22.04	21.98		
15	QPSK	36	39	21.72	22.10	22.19	22.09		
15	QPSK	75	0	21.81	22.18	22.04	22.14		
15	16QAM	1	0	21.79	22.16	22.10	22.01	23.5	1
15	16QAM	1	37	21.71	22.09	21.99	22.10		
15	16QAM	1	74	21.68	22.04	22.17	22.01		
15	16QAM	36	0	20.80	21.08	21.06	20.91	22.5	2
15	16QAM	36	20	20.79	21.08	21.03	21.06		
15	16QAM	36	39	20.73	21.09	21.12	21.11		
15	16QAM	75	0	20.85	21.18	21.12	21.13		
15	64QAM	1	0	20.73	21.12	21.15	21.01	22.5	2
15	64QAM	1	37	20.82	21.13	21.03	20.98		
15	64QAM	1	74	20.64	21.10	21.13	20.99		
15	64QAM	36	0	19.77	20.15	20.01	20.03	21.5	3
15	64QAM	36	20	19.67	20.09	20.10	19.97		
15	64QAM	36	39	19.83	20.09	20.10	20.01		
15	64QAM	75	0	19.86	20.09	20.14	20.07		
15	256QAM	1	0	17.77	18.08	18.04	18.09	19.5	5
15	256QAM	1	37	17.69	17.96	18.13	17.94		
15	256QAM	1	74	17.69	18.07	18.05	18.10		
15	256QAM	36	0	17.92	18.11	18.14	18.11	19.5	5
15	256QAM	36	20	17.81	18.07	18.14	17.94		
15	256QAM	36	39	17.67	18.15	18.06	18.16		
15	256QAM	75	0	17.81	18.07	18.10	18.01		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.84	23.08	23.04	23.08	24.5	0
10	QPSK	1	25	22.85	23.11	22.99	23.01		
10	QPSK	1	49	22.70	23.06	23.10	23.06		
10	QPSK	25	0	21.74	22.15	22.05	22.02	23.5	1
10	QPSK	25	12	21.68	21.99	22.09	22.03		
10	QPSK	25	25	21.79	22.05	22.08	22.05		
10	QPSK	50	0	21.81	22.15	22.12	22.09		
10	16QAM	1	0	21.77	22.16	22.12	22.06	23.5	1
10	16QAM	1	25	21.77	22.08	21.89	22.08		
10	16QAM	1	49	21.65	22.13	22.07	22.02		
10	16QAM	25	0	20.76	21.15	21.05	21.01	22.5	2
10	16QAM	25	12	20.68	21.03	21.01	21.12		
10	16QAM	25	25	20.80	21.01	21.03	21.04		
10	16QAM	50	0	20.82	21.18	21.09	21.12		
10	64QAM	1	0	20.78	21.19	21.19	20.98	22.5	2
10	64QAM	1	25	20.73	21.20	20.92	21.03		
10	64QAM	1	49	20.66	21.07	21.10	21.02		
10	64QAM	25	0	19.79	20.15	20.05	20.00	21.5	3
10	64QAM	25	12	19.64	20.04	20.14	20.03		
10	64QAM	25	25	19.88	20.06	20.17	20.09		
10	64QAM	50	0	19.83	20.07	20.15	20.05		
10	256QAM	1	0	17.80	18.16	17.98	18.10	19.5	5
10	256QAM	1	25	17.72	18.03	18.12	17.95		
10	256QAM	1	49	17.76	18.03	18.04	18.07		
10	256QAM	25	0	17.89	18.14	18.16	18.14	19.5	5
10	256QAM	25	12	17.73	18.09	18.11	18.02		
10	256QAM	25	25	17.73	18.17	18.07	18.07		
10	256QAM	50	0	17.79	18.10	18.13	18.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.79	23.06	23.05	23.04	24.5	0
5	QPSK	1	12	22.78	23.09	23.04	23.06		
5	QPSK	1	24	22.80	23.04	23.11	23.00		
5	QPSK	12	0	21.67	22.12	21.99	21.98	23.5	1
5	QPSK	12	7	21.79	22.03	21.99	22.07		
5	QPSK	12	13	21.82	22.14	22.17	22.04		
5	QPSK	25	0	21.90	22.19	22.07	22.13		
5	16QAM	1	0	21.70	22.12	22.17	22.07	23.5	1
5	16QAM	1	12	21.75	22.14	21.97	22.07		
5	16QAM	1	24	21.76	22.09	22.13	21.98		
5	16QAM	12	0	20.80	21.13	21.04	21.00	22.5	2
5	16QAM	12	7	20.67	21.11	21.04	21.08		
5	16QAM	12	13	20.74	21.07	21.10	21.05		
5	16QAM	25	0	20.87	21.22	21.16	21.09		
5	64QAM	1	0	20.76	21.13	21.24	20.97	22.5	2
5	64QAM	1	12	20.75	21.11	20.96	21.07		
5	64QAM	1	24	20.65	21.14	21.09	21.08		
5	64QAM	12	0	19.74	20.08	20.09	19.96	21.5	3
5	64QAM	12	7	19.65	20.13	20.10	20.00		
5	64QAM	12	13	19.85	20.07	20.14	20.02		
5	64QAM	25	0	19.80	20.08	20.13	20.07		
5	256QAM	1	0	17.75	18.14	17.95	18.02	19.5	5
5	256QAM	1	12	17.74	17.95	18.02	17.92		
5	256QAM	1	24	17.76	18.12	18.03	18.01		
5	256QAM	12	0	17.87	18.12	18.14	18.08	19.5	5
5	256QAM	12	7	17.81	18.08	18.18	18.00		
5	256QAM	12	13	17.76	18.18	18.02	18.07		
5	256QAM	25	0	17.79	18.11	18.12	18.01		

	GSM1900 Ant2 Default							
GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.70	30.00	30.05	31.00	21.70	21.00	21.05	22.00
GPRS 1 Tx slot	30.17	30.08	30.07	31.00	21.17	21.08	21.07	22.00
GPRS 2 Tx slots	26.53	26.65	26.56	28.00	20.53	20.65	20.56	22.00
GPRS 3 Tx slots	25.14	25.21	25.02	26.20	20.88	20.95	20.76	21.94
GPRS 4 Tx slots	23.44	23.46	23.28	25.00	20.44	20.46	20.28	22.00
EDGE 1 Tx slot	25.87	25.62	25.54	26.50	16.87	16.62	16.54	17.50
EDGE 2 Tx slots	23.06	22.97	22.95	23.50	17.06	16.97	16.95	17.50
EDGE 3 Tx slots	21.42	21.22	21.28	21.70	17.16	16.96	17.02	17.44
EDGE 4 Tx slots	19.56	19.36	19.57	20.50	16.56	16.36	16.57	17.50

		WCDMA II Ant2 Default				WCDMA IV Ant2 Default			
Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.35	23.37	23.26	25.00	23.62	23.67	23.56	25.00
3GPP Rel 99	RMC 12.2Kbps	23.38	23.40	23.29	25.00	23.62	23.70	23.63	25.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.44	22.30	24.00	22.59	22.73	22.66	24.00
3GPP Rel 6	HSDPA Subtest-2	22.33	22.42	22.30	24.00	22.57	22.68	22.61	24.00
3GPP Rel 6	HSDPA Subtest-3	21.86	21.93	21.82	23.50	22.06	22.28	22.18	23.50
3GPP Rel 6	HSDPA Subtest-4	21.88	21.87	21.77	23.50	22.08	22.16	22.08	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.35	22.27	24.00	22.53	22.69	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.41	22.28	24.00	22.49	22.63	22.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.83	21.93	21.81	23.50	22.05	22.25	22.16	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.83	21.92	21.85	23.50	22.02	22.15	22.15	23.50
3GPP Rel 6	HSUPA Subtest-1	22.30	22.40	22.27	24.00	22.55	22.72	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	20.30	20.45	20.35	22.00	20.60	20.75	20.68	22.00
3GPP Rel 6	HSUPA Subtest-3	21.39	21.43	21.25	23.00	21.58	21.77	21.69	23.00
3GPP Rel 6	HSUPA Subtest-4	20.38	20.43	20.28	22.00	20.55	20.76	20.71	22.00
3GPP Rel 6	HSUPA Subtest-5	22.29	22.38	22.32	24.00	22.60	22.76	22.67	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.84	19.94	19.85	21.50	20.15	20.19	20.19	21.50

Band 2 Ant2 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.81	23.87	23.82	25.5	0
20	QPSK	1	49	23.80	23.81	23.83		
20	QPSK	1	99	23.82	23.83	23.80		
20	QPSK	50	0	22.82	22.92	22.82	24.5	1
20	QPSK	50	24	22.84	22.80	22.90		
20	QPSK	50	50	22.86	22.84	22.80		
20	QPSK	100	0	22.83	22.84	22.82		
20	16QAM	1	0	22.81	22.84	22.86	24.5	1
20	16QAM	1	49	22.81	22.80	22.85		
20	16QAM	1	99	22.81	22.88	22.80		
20	16QAM	50	0	21.88	21.92	21.86	23.5	2
20	16QAM	50	24	21.81	21.83	21.84		
20	16QAM	50	50	21.86	21.89	21.83		
20	16QAM	100	0	21.87	21.88	21.86		
20	64QAM	1	0	21.87	21.81	21.93	23.5	2
20	64QAM	1	49	21.80	21.82	21.90		
20	64QAM	1	99	21.86	21.91	21.83		
20	64QAM	50	0	20.86	20.97	20.83	22.5	3
20	64QAM	50	24	20.86	20.86	20.90		
20	64QAM	50	50	20.81	20.85	20.84		
20	64QAM	100	0	20.88	20.91	20.84		
20	256QAM	1	0	18.86	19.03	18.84	20.5	5
20	256QAM	1	49	18.85	18.88	18.92		
20	256QAM	1	99	18.84	18.81	18.89		
20	256QAM	50	0	18.89	19.01	18.86	20.5	5
20	256QAM	50	24	18.88	18.90	18.91		
20	256QAM	50	50	18.89	18.91	18.91		
20	256QAM	100	0	18.86	18.98	18.82		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.85	23.85	23.83	25.5	0
15	QPSK	1	37	23.84	23.80	23.81		
15	QPSK	1	74	23.84	23.81	23.80		
15	QPSK	36	0	22.81	22.86	22.84	24.5	1
15	QPSK	36	20	22.89	22.85	22.96		
15	QPSK	36	39	22.90	22.90	22.83		
15	QPSK	75	0	22.80	22.83	22.81		
15	16QAM	1	0	22.80	22.90	22.90	24.5	1
15	16QAM	1	37	22.86	22.84	22.84		
15	16QAM	1	74	22.82	22.87	22.87		
15	16QAM	36	0	21.91	21.96	21.82	23.5	2
15	16QAM	36	20	21.80	21.84	21.88		
15	16QAM	36	39	21.89	21.91	21.80		
15	16QAM	75	0	21.81	21.84	21.80		
15	64QAM	1	0	21.89	21.85	21.97	23.5	2
15	64QAM	1	37	21.84	21.86	21.85		
15	64QAM	1	74	21.80	21.94	21.81		
15	64QAM	36	0	20.82	21.04	20.84	22.5	3
15	64QAM	36	20	20.82	20.91	20.86		
15	64QAM	36	39	20.87	20.90	20.86		
15	64QAM	75	0	20.87	20.87	20.90		
15	256QAM	1	0	18.89	19.06	18.82	20.5	5
15	256QAM	1	37	18.81	18.94	18.90		
15	256QAM	1	74	18.88	18.84	18.87		
15	256QAM	36	0	18.89	19.02	18.83	20.5	5
15	256QAM	36	20	18.94	18.93	18.92		
15	256QAM	36	39	18.83	18.88	18.88		
15	256QAM	75	0	18.87	18.97	18.80		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.64	23.72	23.77	25.5	0
10	QPSK	1	25	23.85	23.75	23.67		
10	QPSK	1	49	23.65	23.63	23.56		
10	QPSK	25	0	22.58	22.82	22.82	24.5	1
10	QPSK	25	12	22.87	22.68	22.84		
10	QPSK	25	25	22.74	22.66	22.69		
10	QPSK	50	0	22.62	22.60	22.62		
10	16QAM	1	0	22.79	22.75	22.73	24.5	1
10	16QAM	1	25	22.68	22.80	22.70		
10	16QAM	1	49	22.75	22.71	22.77		
10	16QAM	25	0	21.83	21.96	21.84	23.5	2
10	16QAM	25	12	21.61	21.71	21.80		
10	16QAM	25	25	21.79	21.80	21.80		
10	16QAM	50	0	21.69	21.78	21.79		
10	64QAM	1	0	21.74	21.63	21.92	23.5	2
10	64QAM	1	25	21.75	21.81	21.77		
10	64QAM	1	49	21.63	21.95	21.73		
10	64QAM	25	0	20.89	20.88	20.68	22.5	3
10	64QAM	25	12	20.78	20.77	20.94		
10	64QAM	25	25	20.72	20.83	20.62		
10	64QAM	50	0	20.73	20.81	20.76		
10	256QAM	1	0	18.86	18.84	18.66	20.5	5
10	256QAM	1	25	18.71	18.74	18.75		
10	256QAM	1	49	18.72	18.62	18.82		
10	256QAM	25	0	18.89	19.01	18.71	20.5	5
10	256QAM	25	12	18.71	18.89	18.88		
10	256QAM	25	25	18.93	18.82	18.77		
10	256QAM	50	0	18.77	18.95	18.77		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.71	23.68	23.70	25.5	0
5	QPSK	1	12	23.64	23.73	23.75		
5	QPSK	1	24	23.65	23.60	23.58		
5	QPSK	12	0	22.64	22.85	22.86	24.5	1
5	QPSK	12	7	22.75	22.70	22.66		
5	QPSK	12	13	22.90	22.67	22.65		
5	QPSK	25	0	22.78	22.73	22.75		
5	16QAM	1	0	22.67	22.83	22.87	24.5	1
5	16QAM	1	12	22.64	22.60	22.71		
5	16QAM	1	24	22.65	22.72	22.59		
5	16QAM	12	0	21.78	21.84	21.72	23.5	2
5	16QAM	12	7	21.82	21.71	21.76		
5	16QAM	12	13	21.70	21.89	21.76		
5	16QAM	25	0	21.83	21.91	21.78		
5	64QAM	1	0	21.87	21.59	21.88	23.5	2
5	64QAM	1	12	21.62	21.81	21.70		
5	64QAM	1	24	21.89	21.88	21.87		
5	64QAM	12	0	20.91	20.86	20.68	22.5	3
5	64QAM	12	7	20.87	20.61	20.83		
5	64QAM	12	13	20.72	20.89	20.80		
5	64QAM	25	0	20.78	20.94	20.76		
5	256QAM	1	0	18.88	18.98	18.76	20.5	5
5	256QAM	1	12	18.73	18.85	18.87		
5	256QAM	1	24	18.83	18.86	18.77		
5	256QAM	12	0	18.72	18.78	18.73	20.5	5
5	256QAM	12	7	18.92	18.72	18.71		
5	256QAM	12	13	18.69	18.68	18.67		
5	256QAM	25	0	18.83	18.96	18.81		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.81	23.75	23.64	25.5	0
3	QPSK	1	8	23.83	23.81	23.77		
3	QPSK	1	14	23.69	23.79	23.73		
3	QPSK	8	0	22.81	22.93	22.73	24.5	1
3	QPSK	8	4	22.77	22.55	22.88		
3	QPSK	8	7	22.73	22.74	22.67		
3	QPSK	15	0	22.82	22.73	22.58		
3	16QAM	1	0	22.74	22.75	22.86	24.5	1
3	16QAM	1	8	22.80	22.60	22.64		
3	16QAM	1	14	22.65	22.92	22.70		
3	16QAM	8	0	21.84	21.94	21.72	23.5	2
3	16QAM	8	4	21.84	21.58	21.82		
3	16QAM	8	7	21.82	21.86	21.83		
3	16QAM	15	0	21.83	21.69	21.84		
3	64QAM	1	0	21.78	21.80	21.71	23.5	2
3	64QAM	1	8	21.66	21.65	21.79		
3	64QAM	1	14	21.67	21.75	21.74		
3	64QAM	8	0	20.85	20.79	20.68	22.5	3
3	64QAM	8	4	20.89	20.84	20.83		
3	64QAM	8	7	20.57	20.65	20.74		
3	64QAM	15	0	20.88	20.76	20.83		
3	256QAM	1	0	18.62	18.98	18.87	20.5	5
3	256QAM	1	8	18.75	18.66	18.78		
3	256QAM	1	14	18.70	18.81	18.84		
3	256QAM	8	0	18.77	18.97	18.80	20.5	5
3	256QAM	8	4	18.71	18.78	18.72		
3	256QAM	8	7	18.84	18.87	18.94		
3	256QAM	15	0	18.71	18.84	18.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.78	23.53	23.65	25.5	0
1.4	QPSK	1	3	23.70	23.76	23.70		
1.4	QPSK	1	5	23.71	23.56	23.51		
1.4	QPSK	3	0	23.83	23.50	23.71		
1.4	QPSK	3	1	23.60	23.62	23.72		
1.4	QPSK	3	3	23.62	23.65	23.56		
1.4	QPSK	6	0	22.83	22.86	22.50	24.5	1
1.4	16QAM	1	0	22.77	22.70	22.67	24.5	1
1.4	16QAM	1	3	22.51	22.51	22.51		
1.4	16QAM	1	5	22.64	22.67	22.55		
1.4	16QAM	3	0	22.52	22.52	22.66		
1.4	16QAM	3	1	22.72	22.64	22.67		
1.4	16QAM	3	3	22.59	22.71	22.61		
1.4	16QAM	6	0	21.72	21.93	21.58	23.5	2
1.4	64QAM	1	0	21.82	21.53	21.64	23.5	2
1.4	64QAM	1	3	21.83	21.63	21.86		
1.4	64QAM	1	5	21.78	21.68	21.67		
1.4	64QAM	3	0	21.72	21.65	21.55		
1.4	64QAM	3	1	21.62	21.52	21.64		
1.4	64QAM	3	3	21.51	21.70	21.64		
1.4	64QAM	6	0	20.57	20.65	20.74	22.5	3
1.4	256QAM	1	0	18.77	18.79	18.72	20.5	5
1.4	256QAM	1	3	18.59	18.50	18.75		
1.4	256QAM	1	5	18.62	18.80	18.62		
1.4	256QAM	3	0	18.70	18.81	18.66		
1.4	256QAM	3	1	18.61	18.63	18.61		
1.4	256QAM	3	3	18.63	18.72	18.79		
1.4	256QAM	6	0	18.65	18.78	18.73	20.5	5

Band 4 Ant2 Default Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.23	24.32	24.26	25.5	0
20	QPSK	1	49	24.15	24.24	24.18		
20	QPSK	1	99	24.04	24.19	24.07		
20	QPSK	50	0	23.06	23.11	23.01	24.5	1
20	QPSK	50	24	22.96	23.05	22.95		
20	QPSK	50	50	22.89	23.00	22.87		
20	QPSK	100	0	22.92	23.00	22.92		
20	16QAM	1	0	23.17	23.32	23.26	24.5	1
20	16QAM	1	49	23.11	23.26	23.22		
20	16QAM	1	99	23.09	23.22	23.19		
20	16QAM	50	0	21.93	21.97	21.89	23.5	2
20	16QAM	50	24	21.77	21.89	21.80		
20	16QAM	50	50	21.86	21.93	21.88		
20	16QAM	100	0	21.78	21.90	21.84		
20	64QAM	1	0	22.08	22.14	22.00	23.5	2
20	64QAM	1	49	21.98	22.08	22.03		
20	64QAM	1	99	21.97	22.04	21.94		
20	64QAM	50	0	20.95	21.02	20.89	22.5	3
20	64QAM	50	24	20.82	20.93	20.88		
20	64QAM	50	50	20.88	20.98	20.86		
20	64QAM	100	0	21.02	21.06	20.96		
20	256QAM	1	0	19.00	19.06	19.03	20.5	5
20	256QAM	1	49	18.94	19.03	18.99		
20	256QAM	1	99	18.87	18.98	18.89		
20	256QAM	50	0	18.89	19.02	18.90	20.5	5
20	256QAM	50	24	18.80	18.92	18.86		
20	256QAM	50	50	18.86	18.98	18.85		
20	256QAM	100	0	18.87	18.95	18.85		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.11	24.29	24.21	25.5	0
15	QPSK	1	37	24.05	24.17	24.04		
15	QPSK	1	74	23.96	24.08	24.04		
15	QPSK	36	0	22.92	23.08	22.87	24.5	1
15	QPSK	36	20	22.88	22.94	22.88		
15	QPSK	36	39	22.76	22.94	22.76		
15	QPSK	75	0	22.79	22.86	22.87		
15	16QAM	1	0	23.04	23.26	23.11	24.5	1
15	16QAM	1	37	23.05	23.15	23.16		
15	16QAM	1	74	23.04	23.16	23.09		
15	16QAM	36	0	21.81	21.87	21.78	23.5	2
15	16QAM	36	20	21.69	21.85	21.66		
15	16QAM	36	39	21.82	21.87	21.74		
15	16QAM	75	0	21.67	21.81	21.80		
15	64QAM	1	0	21.94	22.09	21.90	23.5	2
15	64QAM	1	37	21.90	22.02	21.94		
15	64QAM	1	74	21.85	22.01	21.84		
15	64QAM	36	0	20.88	20.88	20.81	22.5	3
15	64QAM	36	20	20.77	20.80	20.77		
15	64QAM	36	39	20.80	20.91	20.77		
15	64QAM	75	0	20.96	20.93	20.92		
15	256QAM	1	0	18.93	18.99	18.89	20.5	5
15	256QAM	1	37	18.89	19.00	18.88		
15	256QAM	1	74	18.75	18.87	18.78		
15	256QAM	36	0	18.79	18.98	18.76	20.5	5
15	256QAM	36	20	18.65	18.77	18.75		
15	256QAM	36	39	18.75	18.84	18.78		
15	256QAM	75	0	18.78	18.83	18.77		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.12	24.29	24.13	25.5	0
10	QPSK	1	25	24.12	24.18	24.04		
10	QPSK	1	49	23.95	24.14	24.00		
10	QPSK	25	0	22.93	23.03	22.95	24.5	1
10	QPSK	25	12	22.84	22.96	22.89		
10	QPSK	25	25	22.83	22.90	22.73		
10	QPSK	50	0	22.81	22.93	22.81		
10	16QAM	1	0	23.12	23.22	23.21	24.5	1
10	16QAM	1	25	22.96	23.11	23.13		
10	16QAM	1	49	23.06	23.08	23.08		
10	16QAM	25	0	21.84	21.84	21.79	23.5	2
10	16QAM	25	12	21.66	21.75	21.72		
10	16QAM	25	25	21.81	21.84	21.80		
10	16QAM	50	0	21.70	21.82	21.81		
10	64QAM	1	0	21.96	22.09	21.90	23.5	2
10	64QAM	1	25	21.93	22.00	21.91		
10	64QAM	1	49	21.88	21.91	21.88		
10	64QAM	25	0	20.81	20.96	20.85	22.5	3
10	64QAM	25	12	20.67	20.86	20.84		
10	64QAM	25	25	20.78	20.92	20.79		
10	64QAM	50	0	20.96	20.98	20.88		
10	256QAM	1	0	18.93	18.95	18.99	20.5	5
10	256QAM	1	25	18.85	18.92	18.88		
10	256QAM	1	49	18.81	18.83	18.79		
10	256QAM	25	0	18.84	18.97	18.76	20.5	5
10	256QAM	25	12	18.77	18.84	18.81		
10	256QAM	25	25	18.71	18.85	18.80		
10	256QAM	50	0	18.73	18.82	18.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.09	24.23	24.20	25.5	0
5	QPSK	1	12	24.02	24.10	24.03		
5	QPSK	1	24	24.00	24.12	23.96		
5	QPSK	12	0	22.92	23.06	22.96	24.5	1
5	QPSK	12	7	22.84	22.97	22.84		
5	QPSK	12	13	22.85	22.91	22.75		
5	QPSK	25	0	22.77	22.87	22.89		
5	16QAM	1	0	23.06	23.27	23.11	24.5	1
5	16QAM	1	12	23.01	23.16	23.09		
5	16QAM	1	24	23.00	23.17	23.05		
5	16QAM	12	0	21.83	21.85	21.85	23.5	2
5	16QAM	12	7	21.71	21.81	21.69		
5	16QAM	12	13	21.72	21.84	21.78		
5	16QAM	25	0	21.72	21.80	21.79		
5	64QAM	1	0	22.02	22.01	21.87	23.5	2
5	64QAM	1	12	21.87	21.94	21.94		
5	64QAM	1	24	21.86	21.89	21.90		
5	64QAM	12	0	20.81	20.98	20.85	22.5	3
5	64QAM	12	7	20.76	20.86	20.83		
5	64QAM	12	13	20.79	20.87	20.78		
5	64QAM	25	0	20.97	20.97	20.87		
5	256QAM	1	0	18.92	18.99	18.90	20.5	5
5	256QAM	1	12	18.84	18.95	18.92		
5	256QAM	1	24	18.73	18.85	18.78		
5	256QAM	12	0	18.86	18.92	18.81	20.5	5
5	256QAM	12	7	18.69	18.80	18.76		
5	256QAM	12	13	18.82	18.90	18.77		
5	256QAM	25	0	18.77	18.85	18.80		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.16	24.26	24.13	25.5	0
3	QPSK	1	8	24.05	24.14	24.06		
3	QPSK	1	14	23.92	24.10	23.96		
3	QPSK	8	0	22.95	23.00	22.96	24.5	1
3	QPSK	8	4	22.93	22.93	22.89		
3	QPSK	8	7	22.84	22.92	22.73		
3	QPSK	15	0	22.77	22.88	22.83		
3	16QAM	1	0	23.09	23.28	23.23	24.5	1
3	16QAM	1	8	23.05	23.14	23.15		
3	16QAM	1	14	23.05	23.08	23.06		
3	16QAM	8	0	21.87	21.84	21.76	23.5	2
3	16QAM	8	4	21.66	21.83	21.72		
3	16QAM	8	7	21.78	21.81	21.74		
3	16QAM	15	0	21.71	21.82	21.78		
3	64QAM	1	0	22.03	22.04	21.93	23.5	2
3	64QAM	1	8	21.86	22.00	21.93		
3	64QAM	1	14	21.87	21.93	21.85		
3	64QAM	8	0	20.81	20.90	20.80	22.5	3
3	64QAM	8	4	20.68	20.80	20.82		
3	64QAM	8	7	20.82	20.87	20.78		
3	64QAM	15	0	20.96	20.95	20.90		
3	256QAM	1	0	18.94	19.01	18.93	20.5	5
3	256QAM	1	8	18.82	18.97	18.95		
3	256QAM	1	14	18.82	18.88	18.75		
3	256QAM	8	0	18.84	18.91	18.77	20.5	5
3	256QAM	8	4	18.72	18.86	18.75		
3	256QAM	8	7	18.79	18.92	18.78		
3	256QAM	15	0	18.81	18.92	18.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.20	24.26	24.13	25.5	0
1.4	QPSK	1	3	24.02	24.16	24.05		
1.4	QPSK	1	5	23.99	24.16	23.95		
1.4	QPSK	3	0	24.14	24.20	24.18		
1.4	QPSK	3	1	24.03	24.12	24.14		
1.4	QPSK	3	3	23.99	24.14	24.03		
1.4	QPSK	6	0	22.93	23.01	22.93	24.5	1
1.4	16QAM	1	0	22.85	22.93	22.82	24.5	1
1.4	16QAM	1	3	22.85	22.96	22.76		
1.4	16QAM	1	5	22.88	22.86	22.84		
1.4	16QAM	3	0	23.04	23.27	23.23		
1.4	16QAM	3	1	22.97	23.14	23.08		
1.4	16QAM	3	3	23.00	23.10	23.10		
1.4	16QAM	6	0	21.85	21.87	21.86	23.5	2
1.4	64QAM	1	0	21.69	21.75	21.65	23.5	2
1.4	64QAM	1	3	21.72	21.90	21.79		
1.4	64QAM	1	5	21.65	21.80	21.71		
1.4	64QAM	3	0	21.98	22.11	21.92		
1.4	64QAM	3	1	21.95	22.04	21.95		
1.4	64QAM	3	3	21.93	22.00	21.83		
1.4	64QAM	6	0	20.89	20.97	20.74	22.5	3
1.4	256QAM	1	0	18.85	19.01	18.90	20.5	5
1.4	256QAM	1	3	18.84	18.95	18.87		
1.4	256QAM	1	5	18.83	18.90	18.78		
1.4	256QAM	3	0	18.83	18.88	18.81		
1.4	256QAM	3	1	18.72	18.86	18.73		
1.4	256QAM	3	3	18.78	18.94	18.75		
1.4	256QAM	6	0	18.77	18.91	18.76	20.5	5

Band 7 Ant2 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.46	24.56	24.41	25.5	0
20	QPSK	1	49	24.34	24.43	24.40		
20	QPSK	1	99	24.27	24.43	24.28		
20	QPSK	50	0	23.22	23.34	23.17	24.5	1
20	QPSK	50	24	23.21	23.21	23.11		
20	QPSK	50	50	23.12	23.25	23.05		
20	QPSK	100	0	23.08	23.25	23.08		
20	16QAM	1	0	23.35	23.54	23.53	24.5	1
20	16QAM	1	49	23.31	23.46	23.37		
20	16QAM	1	99	23.33	23.44	23.35		
20	16QAM	50	0	22.13	22.14	22.11	23.5	2
20	16QAM	50	24	21.99	22.09	21.98		
20	16QAM	50	50	22.07	22.09	22.04		
20	16QAM	100	0	21.96	22.10	22.10		
20	64QAM	1	0	22.27	22.40	22.19	23.5	2
20	64QAM	1	49	22.23	22.34	22.29		
20	64QAM	1	99	22.16	22.21	22.17		
20	64QAM	50	0	21.17	21.20	21.14	22.5	3
20	64QAM	50	24	21.09	21.17	21.05		
20	64QAM	50	50	21.10	21.24	21.09		
20	64QAM	100	0	21.17	21.26	21.17		
20	256QAM	1	0	19.24	19.28	19.26	20.5	5
20	256QAM	1	49	19.17	19.28	19.20		
20	256QAM	1	99	19.02	19.19	19.09		
20	256QAM	50	0	19.14	19.19	19.12	20.5	5
20	256QAM	50	24	19.05	19.07	19.03		
20	256QAM	50	50	19.03	19.18	19.08		
20	256QAM	100	0	19.03	19.20	19.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.34	24.53	24.32	25.5	0
15	QPSK	1	37	24.31	24.35	24.27		
15	QPSK	1	74	24.24	24.33	24.21		
15	QPSK	36	0	23.18	23.29	23.08	24.5	1
15	QPSK	36	20	23.14	23.07	23.02		
15	QPSK	36	39	23.04	23.18	22.91		
15	QPSK	75	0	23.00	23.18	23.00		
15	16QAM	1	0	23.21	23.43	23.46	24.5	1
15	16QAM	1	37	23.25	23.38	23.25		
15	16QAM	1	74	23.18	23.34	23.26		
15	16QAM	36	0	21.99	22.01	22.06	23.5	2
15	16QAM	36	20	21.94	21.97	21.89		
15	16QAM	36	39	22.03	21.99	22.01		
15	16QAM	75	0	21.88	22.00	21.99		
15	64QAM	1	0	22.17	22.28	22.14	23.5	2
15	64QAM	1	37	22.20	22.28	22.19		
15	64QAM	1	74	22.02	22.10	22.13		
15	64QAM	36	0	21.13	21.12	21.06	22.5	3
15	64QAM	36	20	21.01	21.02	21.01		
15	64QAM	36	39	21.04	21.15	20.95		
15	64QAM	75	0	21.09	21.14	21.06		
15	256QAM	1	0	19.14	19.14	19.17	20.5	5
15	256QAM	1	37	19.05	19.15	19.09		
15	256QAM	1	74	18.96	19.09	19.03		
15	256QAM	36	0	19.02	19.14	19.01	20.5	5
15	256QAM	36	20	18.94	18.98	18.99		
15	256QAM	36	39	18.97	19.15	19.05		
15	256QAM	75	0	18.94	19.13	18.98		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.34	24.47	24.36	25.5	0
10	QPSK	1	25	24.27	24.37	24.29		
10	QPSK	1	49	24.24	24.38	24.23		
10	QPSK	25	0	23.17	23.31	23.10	24.5	1
10	QPSK	25	12	23.16	23.14	23.01		
10	QPSK	25	25	23.01	23.10	22.91		
10	QPSK	50	0	22.93	23.11	23.05		
10	16QAM	1	0	23.24	23.44	23.46	24.5	1
10	16QAM	1	25	23.25	23.39	23.31		
10	16QAM	1	49	23.29	23.33	23.28		
10	16QAM	25	0	22.06	22.09	22.02	23.5	2
10	16QAM	25	12	21.85	21.95	21.89		
10	16QAM	25	25	22.04	22.01	21.89		
10	16QAM	50	0	21.85	22.02	22.05		
10	64QAM	1	0	22.14	22.30	22.11	23.5	2
10	64QAM	1	25	22.16	22.24	22.26		
10	64QAM	1	49	22.04	22.13	22.13		
10	64QAM	25	0	21.02	21.07	21.07	22.5	3
10	64QAM	25	12	20.95	21.11	20.91		
10	64QAM	25	25	21.06	21.14	20.96		
10	64QAM	50	0	21.10	21.20	21.09		
10	256QAM	1	0	19.19	19.20	19.22	20.5	5
10	256QAM	1	25	19.13	19.23	19.12		
10	256QAM	1	49	18.92	19.13	18.95		
10	256QAM	25	0	19.07	19.08	19.07	20.5	5
10	256QAM	25	12	18.96	18.97	18.93		
10	256QAM	25	25	18.90	19.15	19.00		
10	256QAM	50	0	18.95	19.17	19.03		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.38	24.42	24.37	25.5	0
5	QPSK	1	12	24.26	24.30	24.28		
5	QPSK	1	24	24.24	24.34	24.14		
5	QPSK	12	0	23.14	23.24	23.06	24.5	1
5	QPSK	12	7	23.15	23.09	23.00		
5	QPSK	12	13	23.08	23.22	23.00		
5	QPSK	25	0	22.95	23.16	23.03		
5	16QAM	1	0	23.26	23.50	23.39	24.5	1
5	16QAM	1	12	23.18	23.40	23.24		
5	16QAM	1	24	23.23	23.39	23.26		
5	16QAM	12	0	22.01	22.00	22.02	23.5	2
5	16QAM	12	7	21.90	21.96	21.90		
5	16QAM	12	13	21.97	22.04	21.96		
5	16QAM	25	0	21.89	22.02	21.99		
5	64QAM	1	0	22.15	22.33	22.15	23.5	2
5	64QAM	1	12	22.16	22.21	22.21		
5	64QAM	1	24	22.02	22.10	22.07		
5	64QAM	12	0	21.07	21.05	21.04	22.5	3
5	64QAM	12	7	21.00	21.11	20.93		
5	64QAM	12	13	21.04	21.13	20.96		
5	64QAM	25	0	21.14	21.22	21.11		
5	256QAM	1	0	19.20	19.24	19.12	20.5	5
5	256QAM	1	12	19.09	19.22	19.08		
5	256QAM	1	24	18.99	19.09	19.01		
5	256QAM	12	0	19.09	19.15	19.07	20.5	5
5	256QAM	12	7	18.97	19.01	18.92		
5	256QAM	12	13	18.94	19.10	18.96		
5	256QAM	25	0	18.96	19.10	18.99		

Band 66 Ant2 Default Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	24.36	24.38	24.34	25.5	0
20	QPSK	1	49	24.16	24.29	24.29		
20	QPSK	1	99	24.11	24.21	24.08		
20	QPSK	50	0	23.16	23.22	23.06	24.5	1
20	QPSK	50	24	23.08	23.06	23.06		
20	QPSK	50	50	23.00	23.09	22.90		
20	QPSK	100	0	23.00	23.12	22.93		
20	16QAM	1	0	23.23	23.41	23.34	24.5	1
20	16QAM	1	49	23.23	23.29	23.28		
20	16QAM	1	99	23.18	23.33	23.30		
20	16QAM	50	0	21.99	21.97	21.96	23.5	2
20	16QAM	50	24	21.79	21.94	21.92		
20	16QAM	50	50	21.88	21.99	21.89		
20	16QAM	100	0	21.87	21.96	21.85		
20	64QAM	1	0	22.13	22.26	22.11	23.5	2
20	64QAM	1	49	22.01	22.15	22.08		
20	64QAM	1	99	22.00	22.15	22.01		
20	64QAM	50	0	20.96	21.08	21.01	22.5	3
20	64QAM	50	24	20.84	20.95	20.95		
20	64QAM	50	50	20.92	21.01	20.92		
20	64QAM	100	0	21.09	21.12	21.00		
20	256QAM	1	0	19.07	19.10	19.06	20.5	5
20	256QAM	1	49	18.97	19.04	19.08		
20	256QAM	1	99	18.98	19.07	18.97		
20	256QAM	50	0	18.94	19.09	18.93	20.5	5
20	256QAM	50	24	18.91	19.03	18.97		
20	256QAM	50	50	18.95	19.00	18.93		
20	256QAM	100	0	18.97	18.95	18.94		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.25	24.30	24.29	25.5	0
15	QPSK	1	37	24.05	24.22	24.20		
15	QPSK	1	74	24.05	24.15	24.04		
15	QPSK	36	0	23.12	23.14	22.93	24.5	1
15	QPSK	36	20	23.01	22.99	23.00		
15	QPSK	36	39	22.93	22.97	22.83		
15	QPSK	75	0	22.88	23.00	22.79		
15	16QAM	1	0	23.11	23.28	23.24	24.5	1
15	16QAM	1	37	23.14	23.16	23.23		
15	16QAM	1	74	23.07	23.28	23.23		
15	16QAM	36	0	21.89	21.88	21.82	23.5	2
15	16QAM	36	20	21.72	21.80	21.87		
15	16QAM	36	39	21.75	21.96	21.75		
15	16QAM	75	0	21.73	21.86	21.82		
15	64QAM	1	0	22.08	22.18	21.96	23.5	2
15	64QAM	1	37	21.97	22.06	21.96		
15	64QAM	1	74	21.93	22.05	21.95		
15	64QAM	36	0	20.89	20.94	20.90	22.5	3
15	64QAM	36	20	20.71	20.80	20.81		
15	64QAM	36	39	20.85	20.92	20.79		
15	64QAM	75	0	21.05	20.99	20.86		
15	256QAM	1	0	19.03	19.01	19.00	20.5	5
15	256QAM	1	37	18.86	18.95	19.05		
15	256QAM	1	74	18.85	18.99	18.86		
15	256QAM	36	0	18.82	18.99	18.84	20.5	5
15	256QAM	36	20	18.76	18.94	18.82		
15	256QAM	36	39	18.90	18.88	18.83		
15	256QAM	75	0	18.93	18.89	18.84		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.23	24.32	24.29	25.5	0
10	QPSK	1	25	24.12	24.15	24.21		
10	QPSK	1	49	24.00	24.14	24.02		
10	QPSK	25	0	23.05	23.10	22.94	24.5	1
10	QPSK	25	12	22.94	22.95	22.98		
10	QPSK	25	25	22.92	22.99	22.76		
10	QPSK	50	0	22.91	23.02	22.89		
10	16QAM	1	0	23.19	23.32	23.31	24.5	1
10	16QAM	1	25	23.19	23.25	23.25		
10	16QAM	1	49	23.03	23.26	23.25		
10	16QAM	25	0	21.88	21.92	21.90	23.5	2
10	16QAM	25	12	21.65	21.88	21.85		
10	16QAM	25	25	21.82	21.89	21.74		
10	16QAM	50	0	21.82	21.91	21.76		
10	64QAM	1	0	22.01	22.17	22.06	23.5	2
10	64QAM	1	25	21.96	22.03	21.95		
10	64QAM	1	49	21.86	22.11	21.97		
10	64QAM	25	0	20.91	20.94	20.89	22.5	3
10	64QAM	25	12	20.70	20.88	20.89		
10	64QAM	25	25	20.82	20.86	20.83		
10	64QAM	50	0	20.96	21.03	20.93		
10	256QAM	1	0	18.98	19.00	18.95	20.5	5
10	256QAM	1	25	18.92	18.97	19.03		
10	256QAM	1	49	18.93	18.92	18.93		
10	256QAM	25	0	18.87	19.02	18.82	20.5	5
10	256QAM	25	12	18.77	18.93	18.91		
10	256QAM	25	25	18.86	18.91	18.88		
10	256QAM	50	0	18.88	18.84	18.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	24.22	24.34	24.31	25.5	0
5	QPSK	1	12	24.10	24.15	24.20		
5	QPSK	1	24	24.01	24.18	24.00		
5	QPSK	12	0	23.09	23.18	22.95	24.5	1
5	QPSK	12	7	22.95	22.95	22.96		
5	QPSK	12	13	22.87	23.05	22.81		
5	QPSK	25	0	22.90	22.97	22.88		
5	16QAM	1	0	23.19	23.34	23.28	24.5	1
5	16QAM	1	12	23.09	23.19	23.21		
5	16QAM	1	24	23.04	23.23	23.17		
5	16QAM	12	0	21.89	21.92	21.90	23.5	2
5	16QAM	12	7	21.70	21.89	21.85		
5	16QAM	12	13	21.84	21.96	21.84		
5	16QAM	25	0	21.74	21.91	21.81		
5	64QAM	1	0	22.06	22.18	21.99	23.5	2
5	64QAM	1	12	21.94	22.10	22.00		
5	64QAM	1	24	21.89	22.02	21.93		
5	64QAM	12	0	20.86	20.98	20.93	22.5	3
5	64QAM	12	7	20.70	20.91	20.92		
5	64QAM	12	13	20.83	20.92	20.84		
5	64QAM	25	0	20.95	20.99	20.91		
5	256QAM	1	0	19.01	19.01	19.03	20.5	5
5	256QAM	1	12	18.83	18.98	18.94		
5	256QAM	1	24	18.88	19.03	18.88		
5	256QAM	12	0	18.80	18.95	18.82	20.5	5
5	256QAM	12	7	18.80	18.92	18.93		
5	256QAM	12	13	18.85	18.88	18.86		
5	256QAM	25	0	18.84	18.84	18.79		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	24.26	24.28	24.26	25.5	0
3	QPSK	1	8	24.06	24.20	24.21		
3	QPSK	1	14	24.07	24.11	23.96		
3	QPSK	8	0	23.04	23.18	23.02	24.5	1
3	QPSK	8	4	22.97	22.96	22.99		
3	QPSK	8	7	22.86	23.02	22.79		
3	QPSK	15	0	22.95	23.06	22.84		
3	16QAM	1	0	23.12	23.28	23.26	24.5	1
3	16QAM	1	8	23.14	23.21	23.23		
3	16QAM	1	14	23.11	23.24	23.26		
3	16QAM	8	0	21.93	21.88	21.83	23.5	2
3	16QAM	8	4	21.66	21.86	21.84		
3	16QAM	8	7	21.79	21.95	21.77		
3	16QAM	15	0	21.82	21.91	21.71		
3	64QAM	1	0	22.10	22.13	22.01	23.5	2
3	64QAM	1	8	21.89	22.01	21.95		
3	64QAM	1	14	21.94	22.07	21.86		
3	64QAM	8	0	20.92	21.05	20.87	22.5	3
3	64QAM	8	4	20.78	20.89	20.86		
3	64QAM	8	7	20.86	20.97	20.85		
3	64QAM	15	0	21.02	21.04	20.88		
3	256QAM	1	0	18.99	19.05	18.98	20.5	5
3	256QAM	1	8	18.91	18.94	18.97		
3	256QAM	1	14	18.93	18.96	18.85		
3	256QAM	8	0	18.83	19.01	18.89	20.5	5
3	256QAM	8	4	18.77	18.90	18.83		
3	256QAM	8	7	18.85	18.97	18.86		
3	256QAM	15	0	18.93	18.84	18.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	24.33	24.33	24.28	25.5	0
1.4	QPSK	1	3	24.04	24.21	24.16		
1.4	QPSK	1	5	24.01	24.07	23.95		
1.4	QPSK	3	0	24.27	24.23	24.25		
1.4	QPSK	3	1	24.08	24.21	24.25		
1.4	QPSK	3	3	24.02	24.16	24.03		
1.4	QPSK	6	0	23.04	23.11	23.01	24.5	1
1.4	16QAM	1	0	23.02	22.92	22.95	24.5	1
1.4	16QAM	1	3	22.86	22.95	22.85		
1.4	16QAM	1	5	22.92	23.00	22.82		
1.4	16QAM	3	0	23.09	23.33	23.20		
1.4	16QAM	3	1	23.18	23.20	23.14		
1.4	16QAM	3	3	23.05	23.20	23.22		
1.4	16QAM	6	0	21.91	21.83	21.84	23.5	2
1.4	64QAM	1	0	21.67	21.80	21.78	23.5	2
1.4	64QAM	1	3	21.79	21.89	21.86		
1.4	64QAM	1	5	21.77	21.86	21.80		
1.4	64QAM	3	0	22.05	22.19	22.07		
1.4	64QAM	3	1	21.91	22.10	22.01		
1.4	64QAM	3	3	21.88	22.11	21.94		
1.4	64QAM	6	0	21.32	21.35	21.29	22.5	3
1.4	256QAM	1	0	19.39	19.43	19.41	20.5	5
1.4	256QAM	1	3	19.32	19.43	19.35		
1.4	256QAM	1	5	19.17	19.34	19.24		
1.4	256QAM	3	0	19.29	19.34	19.27		
1.4	256QAM	3	1	19.20	19.22	19.18		
1.4	256QAM	3	3	19.18	19.33	19.23		
1.4	256QAM	6	0	19.18	19.35	19.26	20.5	5

Band 38 Ant2 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.96	24.04	23.92	25.5	0
20	QPSK	1	49	24.00	23.98	23.90		
20	QPSK	1	99	23.90	23.93	23.84		
20	QPSK	50	0	22.98	23.12	22.97	24.5	1
20	QPSK	50	24	22.94	22.92	23.02		
20	QPSK	50	50	23.02	22.97	22.94		
20	QPSK	100	0	22.95	23.02	22.97		
20	16QAM	1	0	23.02	23.02	23.04	24.5	1
20	16QAM	1	49	22.97	22.97	22.99		
20	16QAM	1	99	22.93	23.07	23.01		
20	16QAM	50	0	22.07	22.10	21.98	23.5	2
20	16QAM	50	24	21.96	22.02	22.05		
20	16QAM	50	50	22.08	22.01	21.94		
20	16QAM	100	0	22.05	22.03	21.97		
20	64QAM	1	0	22.05	21.96	22.04	23.5	2
20	64QAM	1	49	22.00	21.93	22.05		
20	64QAM	1	99	22.08	22.02	21.98		
20	64QAM	50	0	21.04	21.13	21.03	22.5	3
20	64QAM	50	24	20.98	21.06	21.04		
20	64QAM	50	50	20.95	20.99	21.01		
20	64QAM	100	0	21.05	21.01	21.05		
20	256QAM	1	0	19.05	19.17	19.00	20.5	5
20	256QAM	1	49	19.04	19.07	19.03		
20	256QAM	1	99	19.05	18.96	19.05		
20	256QAM	50	0	19.08	19.18	19.01	20.5	5
20	256QAM	50	24	19.10	19.02	19.07		
20	256QAM	50	50	19.01	19.10	19.02		
20	256QAM	100	0	18.99	19.12	18.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.89	24.00	23.85	25.5	0
15	QPSK	1	37	23.87	23.94	23.86		
15	QPSK	1	74	23.81	23.85	23.69		
15	QPSK	36	0	22.94	23.09	22.89	24.5	1
15	QPSK	36	20	22.87	22.77	22.99		
15	QPSK	36	39	22.98	22.94	22.81		
15	QPSK	75	0	22.90	22.89	22.83		
15	16QAM	1	0	22.88	22.94	23.00	24.5	1
15	16QAM	1	37	22.84	22.86	22.95		
15	16QAM	1	74	22.84	23.04	22.89		
15	16QAM	36	0	22.01	21.98	21.88	23.5	2
15	16QAM	36	20	21.81	21.88	22.01		
15	16QAM	36	39	21.97	21.90	21.83		
15	16QAM	75	0	21.95	21.94	21.88		
15	64QAM	1	0	22.02	21.89	22.00	23.5	2
15	64QAM	1	37	21.92	21.88	21.94		
15	64QAM	1	74	22.05	21.92	21.90		
15	64QAM	36	0	20.93	21.06	20.94	22.5	3
15	64QAM	36	20	20.92	21.03	20.90		
15	64QAM	36	39	20.92	20.88	20.88		
15	64QAM	75	0	20.99	20.92	21.01		
15	256QAM	1	0	18.95	19.06	18.86	20.5	5
15	256QAM	1	37	18.94	18.94	18.92		
15	256QAM	1	74	19.02	18.84	18.93		
15	256QAM	36	0	19.00	19.13	18.94	20.5	5
15	256QAM	36	20	18.98	18.90	19.01		
15	256QAM	36	39	18.94	19.06	18.89		
15	256QAM	75	0	18.87	19.04	18.89		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.92	23.94	23.81	25.5	0
10	QPSK	1	25	23.95	23.87	23.86		
10	QPSK	1	49	23.77	23.88	23.73		
10	QPSK	25	0	22.95	23.05	22.88	24.5	1
10	QPSK	25	12	22.89	22.87	22.90		
10	QPSK	25	25	22.93	22.89	22.90		
10	QPSK	50	0	22.89	22.97	22.86		
10	16QAM	1	0	22.91	22.89	22.93	24.5	1
10	16QAM	1	25	22.88	22.93	22.94		
10	16QAM	1	49	22.90	23.02	22.89		
10	16QAM	25	0	21.98	22.01	21.89	23.5	2
10	16QAM	25	12	21.92	21.93	21.95		
10	16QAM	25	25	21.94	21.86	21.87		
10	16QAM	50	0	22.01	21.93	21.86		
10	64QAM	1	0	21.99	21.88	21.95	23.5	2
10	64QAM	1	25	21.89	21.85	21.93		
10	64QAM	1	49	22.02	21.97	21.90		
10	64QAM	25	0	20.91	21.01	20.88	22.5	3
10	64QAM	25	12	20.92	20.92	20.98		
10	64QAM	25	25	20.87	20.93	20.93		
10	64QAM	50	0	20.97	20.90	20.91		
10	256QAM	1	0	18.95	19.10	18.95	20.5	5
10	256QAM	1	25	18.92	19.03	18.93		
10	256QAM	1	49	18.91	18.89	18.95		
10	256QAM	25	0	18.95	19.06	18.89	20.5	5
10	256QAM	25	12	19.06	18.97	18.98		
10	256QAM	25	25	18.90	19.00	18.89		
10	256QAM	50	0	18.95	19.00	18.84		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.91	23.91	23.86	25.5	0
5	QPSK	1	12	23.96	23.85	23.84		
5	QPSK	1	24	23.76	23.90	23.74		
5	QPSK	12	0	22.87	22.99	22.86	24.5	1
5	QPSK	12	7	22.79	22.80	22.89		
5	QPSK	12	13	22.99	22.94	22.86		
5	QPSK	25	0	22.83	22.97	22.90		
5	16QAM	1	0	22.87	22.93	22.97	24.5	1
5	16QAM	1	12	22.90	22.93	22.91		
5	16QAM	1	24	22.89	23.00	22.98		
5	16QAM	12	0	21.95	22.06	21.90	23.5	2
5	16QAM	12	7	21.84	21.95	21.98		
5	16QAM	12	13	21.98	21.90	21.80		
5	16QAM	25	0	21.96	21.95	21.93		
5	64QAM	1	0	21.97	21.82	22.01	23.5	2
5	64QAM	1	12	21.92	21.81	22.01		
5	64QAM	1	24	21.97	21.94	21.94		
5	64QAM	12	0	20.92	21.05	20.99	22.5	3
5	64QAM	12	7	20.95	20.93	20.93		
5	64QAM	12	13	20.92	20.93	20.93		
5	64QAM	25	0	20.95	20.89	20.97		
5	256QAM	1	0	19.00	19.02	18.86	20.5	5
5	256QAM	1	12	18.99	19.03	18.98		
5	256QAM	1	24	18.96	18.87	18.95		
5	256QAM	12	0	19.00	19.11	18.94	20.5	5
5	256QAM	12	7	18.97	18.93	19.01		
5	256QAM	12	13	18.94	19.02	18.97		
5	256QAM	25	0	18.94	19.05	18.84		

Band 41 Ant2 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.98	24.01	24.05	23.95	23.81	25.5	0
20	QPSK	1	49	23.94	23.98	23.93	23.88	23.66		
20	QPSK	1	99	23.77	23.88	24.00	23.85	23.68		
20	QPSK	50	0	22.88	22.94	23.07	22.95	22.76	24.5	1
20	QPSK	50	24	22.84	22.94	22.90	23.03	22.89		
20	QPSK	50	50	23.01	23.04	22.93	23.00	22.80		
20	QPSK	100	0	22.76	22.91	23.03	22.96	22.82		
20	16QAM	1	0	23.00	23.07	23.06	23.08	22.90	24.5	1
20	16QAM	1	49	22.91	22.97	22.94	23.06	22.90		
20	16QAM	1	99	22.84	22.89	23.06	22.97	22.83		
20	16QAM	50	0	22.00	22.06	22.05	21.97	21.74	23.5	2
20	16QAM	50	24	21.89	22.01	22.00	22.00	21.79		
20	16QAM	50	50	22.03	22.09	21.99	21.94	21.70		
20	16QAM	100	0	21.93	22.05	22.04	21.97	21.75		
20	64QAM	1	0	21.88	22.02	21.98	21.99	21.78	23.5	2
20	64QAM	1	49	21.99	22.06	21.97	22.11	21.87		
20	64QAM	1	99	22.03	22.07	22.02	22.04	21.80		
20	64QAM	50	0	20.99	21.03	21.19	21.07	20.82	22.5	3
20	64QAM	50	24	20.91	20.97	21.08	21.10	20.90		
20	64QAM	50	50	20.82	20.92	20.95	21.02	20.86		
20	64QAM	100	0	20.96	21.07	20.96	21.07	20.85		
20	256QAM	1	0	18.91	19.01	19.18	18.96	18.72	20.5	5
20	256QAM	1	49	18.93	19.05	19.03	19.03	18.79		
20	256QAM	1	99	19.05	19.10	18.92	19.09	18.92		
20	256QAM	50	0	19.07	19.12	19.17	19.01	18.84	20.5	5
20	256QAM	50	24	18.98	19.10	18.97	19.06	18.91		
20	256QAM	50	50	18.91	19.04	19.05	18.98	18.84		
20	256QAM	100	0	18.93	18.96	19.12	18.91	18.66		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.89	23.91	23.98	23.82	23.74	26	0
15	QPSK	1	37	23.84	23.85	23.88	23.73	23.51		
15	QPSK	1	74	23.71	23.83	23.87	23.80	23.60		
15	QPSK	36	0	22.84	22.82	22.98	22.84	22.69	24.5	1
15	QPSK	36	20	22.75	22.89	22.78	23.00	22.77		
15	QPSK	36	39	22.90	22.94	22.86	22.95	22.75		
15	QPSK	75	0	22.63	22.79	22.97	22.85	22.77		
15	16QAM	1	0	22.92	22.96	22.96	23.03	22.80	24.5	1
15	16QAM	1	37	22.77	22.91	22.90	23.03	22.84		
15	16QAM	1	74	22.77	22.83	22.98	22.83	22.72		
15	16QAM	36	0	21.95	21.96	22.01	21.84	21.59	23.5	2
15	16QAM	36	20	21.83	21.91	21.92	21.93	21.73		
15	16QAM	36	39	21.98	22.05	21.86	21.90	21.59		
15	16QAM	75	0	21.81	21.96	21.93	21.85	21.68		
15	64QAM	1	0	21.76	21.90	21.91	21.85	21.73	23.5	2
15	64QAM	1	37	21.94	21.91	21.89	21.96	21.76		
15	64QAM	1	74	21.94	22.01	21.95	21.90	21.77		
15	64QAM	36	0	20.91	20.92	21.12	20.99	20.73	22.5	3
15	64QAM	36	20	20.81	20.85	20.99	20.96	20.86		
15	64QAM	36	39	20.67	20.88	20.87	20.87	20.73		
15	64QAM	75	0	20.89	20.93	20.85	21.02	20.70		
15	256QAM	1	0	18.84	18.90	19.06	18.93	18.61	20.5	5
15	256QAM	1	37	18.84	18.95	18.88	18.94	18.75		
15	256QAM	1	74	18.97	18.98	18.77	19.01	18.83		
15	256QAM	36	0	19.03	19.08	19.10	18.95	18.75	20.5	5
15	256QAM	36	20	18.91	19.00	18.83	18.97	18.86		
15	256QAM	36	39	18.86	19.01	19.02	18.94	18.75		
15	256QAM	75	0	18.88	18.84	18.99	18.83	18.53		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.92	23.92	24.01	23.88	23.68	26	0
10	QPSK	1	25	23.90	23.91	23.87	23.79	23.60		
10	QPSK	1	49	23.70	23.77	23.89	23.76	23.58		
10	QPSK	25	0	22.82	22.89	22.94	22.81	22.68	24.5	1
10	QPSK	25	12	22.79	22.89	22.77	22.94	22.85		
10	QPSK	25	25	22.93	22.91	22.82	22.95	22.69		
10	QPSK	50	0	22.70	22.87	22.96	22.84	22.75		
10	16QAM	1	0	22.96	23.02	22.95	23.02	22.76	24.5	1
10	16QAM	1	25	22.81	22.87	22.82	22.96	22.78		
10	16QAM	1	49	22.81	22.75	22.93	22.84	22.72		
10	16QAM	25	0	21.89	22.00	21.96	21.91	21.69	23.5	2
10	16QAM	25	12	21.75	21.98	21.91	21.96	21.74		
10	16QAM	25	25	21.98	22.01	21.86	21.82	21.66		
10	16QAM	50	0	21.88	22.02	21.96	21.93	21.60		
10	64QAM	1	0	21.83	21.92	21.86	21.88	21.73	23.5	2
10	64QAM	1	25	21.95	21.92	21.86	22.07	21.82		
10	64QAM	1	49	21.88	22.03	21.89	21.92	21.72		
10	64QAM	25	0	20.87	20.92	21.10	21.03	20.74	22.5	3
10	64QAM	25	12	20.82	20.91	20.96	21.04	20.76		
10	64QAM	25	25	20.76	20.79	20.91	20.93	20.74		
10	64QAM	50	0	20.91	21.03	20.93	21.01	20.78		
10	256QAM	1	0	18.77	18.86	19.06	18.91	18.57	20.5	5
10	256QAM	1	25	18.80	18.99	18.97	18.92	18.72		
10	256QAM	1	49	18.98	19.01	18.89	18.99	18.82		
10	256QAM	25	0	18.99	18.99	19.02	18.86	18.79	20.5	5
10	256QAM	25	12	18.87	18.99	18.90	19.00	18.83		
10	256QAM	25	25	18.88	18.96	18.96	18.87	18.75		
10	256QAM	50	0	18.78	18.84	18.99	18.88	18.60		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.84	23.93	23.97	23.86	23.68	26	0
5	QPSK	1	12	23.83	23.91	23.88	23.83	23.60		
5	QPSK	1	24	23.72	23.84	23.93	23.70	23.57		
5	QPSK	12	0	22.76	22.83	22.93	22.87	22.73	24.5	1
5	QPSK	12	7	22.73	22.90	22.81	22.93	22.78		
5	QPSK	12	13	22.87	22.94	22.81	22.89	22.74		
5	QPSK	25	0	22.69	22.77	22.90	22.89	22.70		
5	16QAM	1	0	22.96	22.97	22.94	23.04	22.86	24.5	1
5	16QAM	1	12	22.84	22.86	22.89	22.93	22.76		
5	16QAM	1	24	22.72	22.84	22.95	22.92	22.80		
5	16QAM	12	0	21.95	22.03	21.92	21.84	21.69	23.5	2
5	16QAM	12	7	21.82	21.88	21.90	21.86	21.65		
5	16QAM	12	13	21.89	22.02	21.87	21.88	21.65		
5	16QAM	25	0	21.80	21.97	21.96	21.93	21.60		
5	64QAM	1	0	21.84	21.88	21.89	21.90	21.64	23.5	2
5	64QAM	1	12	21.91	21.98	21.90	22.08	21.79		
5	64QAM	1	24	21.98	21.95	21.96	21.91	21.66		
5	64QAM	12	0	20.85	20.97	21.05	21.01	20.73	22.5	3
5	64QAM	12	7	20.77	20.88	21.02	21.01	20.77		
5	64QAM	12	13	20.79	20.84	20.87	20.88	20.76		
5	64QAM	25	0	20.93	20.97	20.89	20.96	20.74		
5	256QAM	1	0	18.79	18.86	19.11	18.88	18.61	20.5	5
5	256QAM	1	12	18.85	18.96	18.99	18.99	18.67		
5	256QAM	1	24	18.98	19.00	18.89	19.01	18.85		
5	256QAM	12	0	18.99	18.98	19.04	18.95	18.72	20.5	5
5	256QAM	12	7	18.88	18.98	18.87	18.96	18.87		
5	256QAM	12	13	18.78	18.90	19.01	18.89	18.76		
5	256QAM	25	0	18.82	18.93	18.99	18.77	18.53		

	GSM1900 Ant3 Default							
GSM1900 Ant3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	29.55	29.27	31.00	20.42	20.55	20.27	22.00
GPRS 1 Tx slot	29.52	29.57	29.38	31.00	20.52	20.57	20.38	22.00
GPRS 2 Tx slots	26.03	26.08	26.34	28.00	20.03	20.08	20.34	22.00
GPRS 3 Tx slots	24.57	24.53	24.32	26.20	20.31	20.27	20.06	21.94
GPRS 4 Tx slots	23.42	23.46	23.25	25.00	20.42	20.46	20.25	22.00
EDGE 1 Tx slot	25.01	25.18	25.04	26.50	16.01	16.18	16.04	17.50
EDGE 2 Tx slots	22.37	22.54	22.17	23.50	16.37	16.54	16.17	17.50
EDGE 3 Tx slots	21.10	21.13	21.05	21.70	16.84	16.87	16.79	17.44
EDGE 4 Tx slots	19.27	19.25	19.25	20.50	16.27	16.25	16.25	17.50

		WCDMA II Ant3 Default				WCDMA IV Ant3 Default			
Band		WCDMA II Ant3			Tune-up Limit (dBm)	WCDMA IV Ant3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.54	22.64	22.61	24.50	23.05	23.09	22.98	24.50
3GPP Rel 99	RMC 12.2Kbps	22.62	22.67	22.62	24.50	23.08	23.11	23.04	24.50
3GPP Rel 6	HSDPA Subtest-1	21.64	21.65	21.65	23.00	22.12	22.22	22.12	23.00
3GPP Rel 6	HSDPA Subtest-2	21.53	21.58	21.58	23.00	22.14	22.11	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.09	21.20	21.10	22.50	21.59	21.65	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.04	21.12	21.14	22.50	21.55	21.62	21.61	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.62	21.67	21.58	23.00	22.11	22.11	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.45	21.53	21.55	23.00	21.98	22.11	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.95	21.17	21.05	22.50	21.45	21.70	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.91	21.12	21.01	22.50	21.37	21.53	21.59	22.50
3GPP Rel 6	HSUPA Subtest-1	21.40	21.56	21.52	23.00	21.90	22.02	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	19.62	19.71	19.64	21.00	20.04	20.16	20.15	21.00
3GPP Rel 6	HSUPA Subtest-3	20.62	20.76	20.76	22.00	21.10	21.20	21.23	22.00
3GPP Rel 6	HSUPA Subtest-4	19.52	19.60	19.49	21.00	20.06	20.06	20.05	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.65	21.55	23.00	21.95	22.15	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.17	19.21	19.23	20.50	19.61	19.71	19.63	20.50

Band 2 Ant3 Default Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.33	23.45	23.29	25	0
20	QPSK	1	49	23.39	23.29	23.30		
20	QPSK	1	99	23.26	23.32	23.12		
20	QPSK	50	0	22.08	22.33	22.10	24	1
20	QPSK	50	24	22.18	22.28	22.13		
20	QPSK	50	50	22.23	22.06	22.20		
20	QPSK	100	0	22.10	22.25	22.24		
20	16QAM	1	0	22.38	22.36	22.23	24	1
20	16QAM	1	49	22.33	22.36	22.36		
20	16QAM	1	99	22.24	22.27	22.32		
20	16QAM	50	0	21.17	21.21	21.15	23	2
20	16QAM	50	24	21.06	21.10	21.21		
20	16QAM	50	50	21.27	21.07	21.14		
20	16QAM	100	0	21.13	21.10	21.06		
20	64QAM	1	0	21.37	21.28	21.32	23	2
20	64QAM	1	49	21.20	21.22	21.04		
20	64QAM	1	99	21.17	21.13	21.19		
20	64QAM	50	0	20.14	20.24	20.33	22	3
20	64QAM	50	24	20.11	20.21	20.24		
20	64QAM	50	50	20.14	20.23	20.09		
20	64QAM	100	0	20.09	20.14	20.09		
20	256QAM	1	0	18.23	18.39	18.36	20	5
20	256QAM	1	49	18.39	18.43	18.31		
20	256QAM	1	99	18.22	18.28	18.29		
20	256QAM	50	0	18.22	18.43	18.18	20	5
20	256QAM	50	24	18.13	18.18	18.25		
20	256QAM	50	50	18.26	18.30	18.17		
20	256QAM	100	0	18.16	18.15	18.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.20	23.21	23.37	25	0
15	QPSK	1	37	23.30	23.35	23.26		
15	QPSK	1	74	23.15	23.41	23.14		
15	QPSK	36	0	22.19	22.30	22.05	24	1
15	QPSK	36	20	22.12	22.28	22.18		
15	QPSK	36	39	22.05	22.04	22.17		
15	QPSK	75	0	22.19	22.33	22.11		
15	16QAM	1	0	22.31	22.54	22.40	24	1
15	16QAM	1	37	22.41	22.39	22.35		
15	16QAM	1	74	22.17	22.33	22.35		
15	16QAM	36	0	21.11	21.20	21.07	23	2
15	16QAM	36	20	21.14	21.08	21.07		
15	16QAM	36	39	21.13	21.28	21.24		
15	16QAM	75	0	21.24	21.20	21.14		
15	64QAM	1	0	21.30	21.36	21.27	23	2
15	64QAM	1	37	21.20	21.19	21.15		
15	64QAM	1	74	21.11	21.20	21.25		
15	64QAM	36	0	20.22	20.42	20.35	22	3
15	64QAM	36	20	20.15	20.24	20.04		
15	64QAM	36	39	20.22	20.34	20.17		
15	64QAM	75	0	20.06	20.14	20.09		
15	256QAM	1	0	18.30	18.31	18.43	20	5
15	256QAM	1	37	18.30	18.28	18.29		
15	256QAM	1	74	18.39	18.31	18.20		
15	256QAM	36	0	18.14	18.19	18.12	20	5
15	256QAM	36	20	18.22	18.23	18.11		
15	256QAM	36	39	18.06	18.23	18.16		
15	256QAM	75	0	18.16	18.26	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.43	23.31	23.33	25	0
10	QPSK	1	25	23.25	23.29	23.18		
10	QPSK	1	49	23.29	23.26	23.21		
10	QPSK	25	0	22.11	22.28	22.22	24	1
10	QPSK	25	12	22.05	22.14	22.15		
10	QPSK	25	25	22.02	22.20	22.18		
10	QPSK	50	0	22.22	22.18	22.19		
10	16QAM	1	0	22.42	22.46	22.30	24	1
10	16QAM	1	25	22.31	22.42	22.40		
10	16QAM	1	49	22.23	22.36	22.20		
10	16QAM	25	0	21.08	21.14	21.18	23	2
10	16QAM	25	12	21.04	21.11	21.09		
10	16QAM	25	25	21.08	21.24	21.26		
10	16QAM	50	0	21.17	21.11	21.19		
10	64QAM	1	0	21.38	21.37	21.21	23	2
10	64QAM	1	25	21.23	21.29	21.25		
10	64QAM	1	49	21.14	21.19	21.09		
10	64QAM	25	0	20.24	20.18	20.16	22	3
10	64QAM	25	12	20.14	20.16	20.16		
10	64QAM	25	25	20.16	20.22	20.12		
10	64QAM	50	0	20.12	20.32	20.07		
10	256QAM	1	0	18.23	18.50	18.37	20	5
10	256QAM	1	25	18.32	18.42	18.27		
10	256QAM	1	49	18.37	18.40	18.25		
10	256QAM	25	0	18.22	18.24	18.22	20	5
10	256QAM	25	12	18.13	18.26	18.21		
10	256QAM	25	25	18.16	18.21	18.20		
10	256QAM	50	0	18.27	18.13	18.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.43	23.32	23.41	25	0
5	QPSK	1	12	23.40	23.31	23.39		
5	QPSK	1	24	23.36	23.44	23.19		
5	QPSK	12	0	22.26	22.20	22.10	24	1
5	QPSK	12	7	22.09	22.27	22.26		
5	QPSK	12	13	22.18	22.06	22.23		
5	QPSK	25	0	22.22	22.24	22.10		
5	16QAM	1	0	22.39	22.47	22.37	24	1
5	16QAM	1	12	22.25	22.47	22.28		
5	16QAM	1	24	22.33	22.25	22.33		
5	16QAM	12	0	21.12	21.29	21.20	23	2
5	16QAM	12	7	21.03	21.06	21.08		
5	16QAM	12	13	21.26	21.11	21.27		
5	16QAM	25	0	21.30	21.17	21.12		
5	64QAM	1	0	21.38	21.29	21.26	23	2
5	64QAM	1	12	21.30	21.32	21.04		
5	64QAM	1	24	21.06	21.19	21.12		
5	64QAM	12	0	20.06	20.35	20.21	22	3
5	64QAM	12	7	20.11	20.27	20.06		
5	64QAM	12	13	20.13	20.37	20.22		
5	64QAM	25	0	20.15	20.24	20.24		
5	256QAM	1	0	18.22	18.43	18.30	20	5
5	256QAM	1	12	18.40	18.42	18.34		
5	256QAM	1	24	18.35	18.27	18.28		
5	256QAM	12	0	18.14	18.40	18.24	20	5
5	256QAM	12	7	18.16	18.29	18.11		
5	256QAM	12	13	18.15	18.37	18.20		
5	256QAM	25	0	18.08	18.26	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.32	23.40	23.35	25	0
3	QPSK	1	8	23.25	23.31	23.17		
3	QPSK	1	14	23.37	23.28	23.16		
3	QPSK	8	0	22.21	22.20	22.18	24	1
3	QPSK	8	4	22.06	22.29	22.17		
3	QPSK	8	7	22.06	22.19	22.17		
3	QPSK	15	0	22.18	22.15	22.11		
3	16QAM	1	0	22.47	22.38	22.27	24	1
3	16QAM	1	8	22.28	22.41	22.42		
3	16QAM	1	14	22.19	22.44	22.31		
3	16QAM	8	0	21.18	21.28	21.15	23	2
3	16QAM	8	4	21.09	21.22	21.16		
3	16QAM	8	7	21.18	21.17	21.27		
3	16QAM	15	0	21.16	21.14	21.10		
3	64QAM	1	0	21.19	21.24	21.22	23	2
3	64QAM	1	8	21.35	21.21	21.10		
3	64QAM	1	14	21.10	21.20	21.27		
3	64QAM	8	0	20.13	20.28	20.22	22	3
3	64QAM	8	4	20.24	20.16	20.23		
3	64QAM	8	7	20.18	20.15	20.19		
3	64QAM	15	0	20.22	20.22	20.13		
3	256QAM	1	0	18.41	18.34	18.32	20	5
3	256QAM	1	8	18.43	18.36	18.27		
3	256QAM	1	14	18.19	18.33	18.29		
3	256QAM	8	0	18.22	18.35	18.28	20	5
3	256QAM	8	4	18.15	18.31	18.13		
3	256QAM	8	7	18.15	18.25	18.08		
3	256QAM	15	0	18.26	18.11	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.27	23.35	23.30	25	0
1.4	QPSK	1	3	23.24	23.31	23.21		
1.4	QPSK	1	5	23.23	23.30	23.15		
1.4	QPSK	3	0	23.30	23.40	23.31		
1.4	QPSK	3	1	23.36	23.27	23.10		
1.4	QPSK	3	3	23.15	23.40	23.06		
1.4	QPSK	6	0	22.29	22.38	22.29	24	1
1.4	16QAM	1	0	22.27	22.39	22.39	24	1
1.4	16QAM	1	3	22.28	22.40	22.14		
1.4	16QAM	1	5	22.26	22.52	22.33		
1.4	16QAM	3	0	22.28	22.29	22.15		
1.4	16QAM	3	1	22.15	22.28	22.27		
1.4	16QAM	3	3	22.15	22.30	22.26		
1.4	16QAM	6	0	21.26	21.27	21.17	23	2
1.4	64QAM	1	0	21.36	21.36	21.03	23	2
1.4	64QAM	1	3	21.20	21.18	21.19		
1.4	64QAM	1	5	21.13	21.26	21.34		
1.4	64QAM	3	0	21.14	21.30	21.39		
1.4	64QAM	3	1	21.29	21.19	21.15		
1.4	64QAM	3	3	21.08	21.14	21.09		
1.4	64QAM	6	0	20.26	20.26	20.09	22	3
1.4	256QAM	1	0	18.31	18.36	18.23	20	5
1.4	256QAM	1	3	18.32	18.30	18.33		
1.4	256QAM	1	5	18.25	18.17	18.16		
1.4	256QAM	3	0	18.35	18.29	18.28		
1.4	256QAM	3	1	18.35	18.24	18.43		
1.4	256QAM	3	3	18.17	18.43	18.14		
1.4	256QAM	6	0	18.33	18.35	18.39	20	5

Band 4 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.27	23.38	23.25	25	0
20	QPSK	1	49	23.20	23.30	23.19		
20	QPSK	1	99	23.15	23.25	23.10		
20	QPSK	50	0	22.05	22.17	22.06	24	1
20	QPSK	50	24	22.05	22.11	22.06		
20	QPSK	50	50	22.01	22.06	22.02		
20	QPSK	100	0	22.02	22.15	22.07		
20	16QAM	1	0	22.30	22.37	22.23	24	1
20	16QAM	1	49	22.24	22.31	22.20		
20	16QAM	1	99	22.15	22.27	22.15		
20	16QAM	50	0	21.05	21.13	21.08	23	2
20	16QAM	50	24	21.02	21.05	21.03		
20	16QAM	50	50	21.05	21.09	21.07		
20	16QAM	100	0	21.09	21.11	21.00		
20	64QAM	1	0	21.18	21.25	21.20	23	2
20	64QAM	1	49	21.15	21.19	21.05		
20	64QAM	1	99	21.02	21.15	21.10		
20	64QAM	50	0	20.07	20.20	20.14	22	3
20	64QAM	50	24	20.04	20.11	20.02		
20	64QAM	50	50	20.05	20.16	20.07		
20	64QAM	100	0	20.06	20.14	20.06		
20	256QAM	1	0	18.23	18.33	18.22	20	5
20	256QAM	1	49	18.24	18.30	18.22		
20	256QAM	1	99	18.18	18.25	18.19		
20	256QAM	50	0	18.07	18.21	18.13	20	5
20	256QAM	50	24	18.03	18.11	18.03		
20	256QAM	50	50	18.05	18.17	18.10		
20	256QAM	100	0	18.06	18.10	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.28	23.34	23.30	25	0
15	QPSK	1	37	23.18	23.31	23.21		
15	QPSK	1	74	23.10	23.17	23.16		
15	QPSK	36	0	22.25	22.18	22.15	24	1
15	QPSK	36	20	22.28	22.06	22.18		
15	QPSK	36	39	22.20	22.11	22.10		
15	QPSK	75	0	22.25	22.10	22.15		
15	16QAM	1	0	22.22	22.35	22.26	24	1
15	16QAM	1	37	22.23	22.30	22.24		
15	16QAM	1	74	22.13	22.18	22.25		
15	16QAM	36	0	21.03	21.11	21.12	23	2
15	16QAM	36	20	21.02	21.06	21.06		
15	16QAM	36	39	21.04	21.08	21.17		
15	16QAM	75	0	21.07	21.07	21.07		
15	64QAM	1	0	21.09	21.16	21.32	23	2
15	64QAM	1	37	21.12	21.21	21.12		
15	64QAM	1	74	21.06	21.09	21.19		
15	64QAM	36	0	20.03	20.20	20.16	22	3
15	64QAM	36	20	20.07	20.12	20.08		
15	64QAM	36	39	20.12	20.16	20.10		
15	64QAM	75	0	20.00	20.15	20.12		
15	256QAM	1	0	18.21	18.30	18.28	20	5
15	256QAM	1	37	18.21	18.23	18.29		
15	256QAM	1	74	18.15	18.16	18.24		
15	256QAM	36	0	18.08	18.14	18.18	20	5
15	256QAM	36	20	18.01	18.01	18.07		
15	256QAM	36	39	18.07	18.17	18.10		
15	256QAM	75	0	18.06	18.08	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.18	23.35	23.32	25	0
10	QPSK	1	25	23.22	23.22	23.23		
10	QPSK	1	49	23.07	23.22	23.21		
10	QPSK	25	0	22.04	22.11	22.16	24	1
10	QPSK	25	12	22.06	22.07	22.15		
10	QPSK	25	25	22.02	22.08	22.08		
10	QPSK	50	0	22.09	22.11	22.13		
10	16QAM	1	0	22.36	22.30	22.32	24	1
10	16QAM	1	25	22.26	22.33	22.21		
10	16QAM	1	49	22.21	22.17	22.22		
10	16QAM	25	0	21.10	21.07	21.19	23	2
10	16QAM	25	12	21.06	21.07	21.06		
10	16QAM	25	25	21.04	21.02	21.11		
10	16QAM	50	0	21.02	21.04	21.09		
10	64QAM	1	0	21.13	21.19	21.20	23	2
10	64QAM	1	25	21.15	21.13	21.09		
10	64QAM	1	49	21.01	21.06	21.17		
10	64QAM	25	0	20.07	20.19	20.17	22	3
10	64QAM	25	12	20.13	20.04	20.13		
10	64QAM	25	25	20.10	20.08	20.13		
10	64QAM	50	0	20.12	20.16	20.07		
10	256QAM	1	0	18.28	18.32	18.26	20	5
10	256QAM	1	25	18.30	18.21	18.31		
10	256QAM	1	49	18.14	18.26	18.25		
10	256QAM	25	0	18.07	18.23	18.16	20	5
10	256QAM	25	12	18.02	18.05	18.05		
10	256QAM	25	25	18.06	18.15	18.17		
10	256QAM	50	0	18.04	18.05	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.18	23.29	23.28	25	0
5	QPSK	1	12	23.16	23.30	23.31		
5	QPSK	1	24	23.14	23.27	23.20		
5	QPSK	12	0	22.02	22.09	22.17	24	1
5	QPSK	12	7	22.07	22.09	22.16		
5	QPSK	12	13	22.04	22.16	22.12		
5	QPSK	25	0	22.03	22.07	22.08		
5	16QAM	1	0	22.31	22.27	22.33	24	1
5	16QAM	1	12	22.16	22.33	22.23		
5	16QAM	1	24	22.10	22.19	22.23		
5	16QAM	12	0	21.03	21.04	21.12	23	2
5	16QAM	12	7	21.01	21.17	21.10		
5	16QAM	12	13	21.04	21.08	21.10		
5	16QAM	25	0	21.09	21.04	21.11		
5	64QAM	1	0	21.20	21.25	21.25	23	2
5	64QAM	1	12	21.06	21.14	21.15		
5	64QAM	1	24	21.08	21.09	21.20		
5	64QAM	12	0	20.04	20.15	20.23	22	3
5	64QAM	12	7	20.05	20.01	20.13		
5	64QAM	12	13	20.04	20.11	20.16		
5	64QAM	25	0	20.04	20.09	20.12		
5	256QAM	1	0	18.22	18.33	18.24	20	5
5	256QAM	1	12	18.24	18.25	18.22		
5	256QAM	1	24	18.20	18.23	18.29		
5	256QAM	12	0	18.08	18.22	18.17	20	5
5	256QAM	12	7	18.05	18.10	18.09		
5	256QAM	12	13	18.00	18.12	18.15		
5	256QAM	25	0	18.07	18.11	18.10		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.22	23.35	23.30	25	0
3	QPSK	1	8	23.21	23.23	23.28		
3	QPSK	1	14	23.06	23.12	23.26		
3	QPSK	8	0	22.20	22.10	22.17	24	1
3	QPSK	8	4	22.22	22.12	22.07		
3	QPSK	8	7	22.20	22.10	22.02		
3	QPSK	15	0	22.26	22.16	22.07		
3	16QAM	1	0	22.35	22.25	22.36	24	1
3	16QAM	1	8	22.39	22.29	22.30		
3	16QAM	1	14	22.26	22.16	22.18		
3	16QAM	8	0	21.21	21.11	21.10	23	2
3	16QAM	8	4	21.18	21.08	21.00		
3	16QAM	8	7	21.24	21.14	21.08		
3	16QAM	15	0	21.13	21.03	21.09		
3	64QAM	1	0	21.31	21.21	21.16	23	2
3	64QAM	1	8	21.16	21.06	21.12		
3	64QAM	1	14	21.30	21.20	21.13		
3	64QAM	8	0	20.36	20.26	20.15	22	3
3	64QAM	8	4	20.20	20.10	20.13		
3	64QAM	8	7	20.21	20.11	20.15		
3	64QAM	15	0	20.21	20.11	20.08		
3	256QAM	1	0	18.40	18.30	18.26	20	5
3	256QAM	1	8	18.42	18.32	18.23		
3	256QAM	1	14	18.40	18.30	18.22		
3	256QAM	8	0	18.31	18.21	18.15	20	5
3	256QAM	8	4	18.13	18.03	18.05		
3	256QAM	8	7	18.21	18.11	18.10		
3	256QAM	15	0	18.07	18.03	18.01		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.23	23.34	23.21	25	0
1.4	QPSK	1	3	23.16	23.26	23.14		
1.4	QPSK	1	5	23.05	23.24	23.09		
1.4	QPSK	3	0	23.22	23.30	23.20		
1.4	QPSK	3	1	23.20	23.23	23.09		
1.4	QPSK	3	3	23.05	23.18	23.03		
1.4	QPSK	6	0	22.27	22.35	22.25	24	1
1.4	16QAM	1	0	22.18	22.31	22.22	24	1
1.4	16QAM	1	3	22.11	22.28	22.13		
1.4	16QAM	1	5	22.23	22.31	22.16		
1.4	16QAM	3	0	22.15	22.28	22.14		
1.4	16QAM	3	1	22.09	22.23	22.10		
1.4	16QAM	3	3	22.14	22.21	22.15		
1.4	16QAM	6	0	21.09	21.25	21.13	23	2
1.4	64QAM	1	0	21.15	21.18	21.04	23	2
1.4	64QAM	1	3	21.04	21.09	21.02		
1.4	64QAM	1	5	21.15	21.22	21.21		
1.4	64QAM	3	0	21.12	21.23	21.21		
1.4	64QAM	3	1	21.07	21.11	21.02		
1.4	64QAM	3	3	21.01	21.14	21.01		
1.4	64QAM	6	0	20.05	20.11	20.09	22	3
1.4	256QAM	1	0	18.22	18.29	18.20	20	5
1.4	256QAM	1	3	18.22	18.23	18.22		
1.4	256QAM	1	5	18.14	18.17	18.14		
1.4	256QAM	3	0	18.17	18.26	18.20		
1.4	256QAM	3	1	18.18	18.24	18.24		
1.4	256QAM	3	3	18.16	18.23	18.14		
1.4	256QAM	6	0	18.15	18.16	18.17	20	5

Band 7 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.57	23.63	23.60	25	0
20	QPSK	1	49	23.52	23.55	23.48		
20	QPSK	1	99	23.38	23.50	23.42		
20	QPSK	50	0	22.28	22.40	22.31	24	1
20	QPSK	50	24	22.26	22.34	22.25		
20	QPSK	50	50	22.21	22.29	22.15		
20	QPSK	100	0	22.28	22.36	22.33		
20	16QAM	1	0	22.67	22.73	22.66	24	1
20	16QAM	1	49	22.63	22.67	22.58		
20	16QAM	1	99	22.49	22.63	22.58		
20	16QAM	50	0	21.32	21.42	21.29	23	2
20	16QAM	50	24	21.30	21.34	21.19		
20	16QAM	50	50	21.35	21.38	21.30		
20	16QAM	100	0	21.35	21.38	21.30		
20	64QAM	1	0	21.47	21.57	21.46	23	2
20	64QAM	1	49	21.44	21.51	21.43		
20	64QAM	1	99	21.37	21.47	21.38		
20	64QAM	50	0	20.27	20.34	20.27	22	3
20	64QAM	50	24	20.14	20.25	20.21		
20	64QAM	50	50	20.18	20.30	20.16		
20	64QAM	100	0	20.26	20.32	20.21		
20	256QAM	1	0	18.44	18.51	18.38	20	5
20	256QAM	1	49	18.43	18.48	18.33		
20	256QAM	1	99	18.39	18.43	18.38		
20	256QAM	50	0	18.27	18.39	18.34	20	5
20	256QAM	50	24	18.25	18.29	18.23		
20	256QAM	50	50	18.28	18.35	18.23		
20	256QAM	100	0	18.22	18.36	18.32		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.47	23.56	23.55	25	0
15	QPSK	1	37	23.40	23.51	23.41		
15	QPSK	1	74	23.32	23.39	23.30		
15	QPSK	36	0	22.21	22.27	22.20	24	1
15	QPSK	36	20	22.13	22.20	22.20		
15	QPSK	36	39	22.17	22.19	22.11		
15	QPSK	75	0	22.14	22.33	22.26		
15	16QAM	1	0	22.59	22.63	22.61	24	1
15	16QAM	1	37	22.52	22.56	22.45		
15	16QAM	1	74	22.37	22.52	22.44		
15	16QAM	36	0	21.17	21.29	21.24	23	2
15	16QAM	36	20	21.21	21.28	21.06		
15	16QAM	36	39	21.20	21.35	21.24		
15	16QAM	75	0	21.24	21.31	21.21		
15	64QAM	1	0	21.41	21.50	21.36	23	2
15	64QAM	1	37	21.37	21.48	21.37		
15	64QAM	1	74	21.31	21.41	21.27		
15	64QAM	36	0	20.16	20.23	20.20	22	3
15	64QAM	36	20	20.06	20.16	20.18		
15	64QAM	36	39	20.09	20.22	20.06		
15	64QAM	75	0	20.13	20.23	20.14		
15	256QAM	1	0	18.32	18.43	18.25	20	5
15	256QAM	1	37	18.32	18.41	18.19		
15	256QAM	1	74	18.26	18.31	18.34		
15	256QAM	36	0	18.20	18.24	18.20	20	5
15	256QAM	36	20	18.19	18.22	18.17		
15	256QAM	36	39	18.14	18.21	18.09		
15	256QAM	75	0	18.09	18.32	18.28		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.45	23.55	23.46	25	0
10	QPSK	1	25	23.41	23.49	23.42		
10	QPSK	1	49	23.35	23.39	23.37		
10	QPSK	25	0	22.15	22.32	22.26	24	1
10	QPSK	25	12	22.14	22.26	22.14		
10	QPSK	25	25	22.14	22.24	22.04		
10	QPSK	50	0	22.18	22.25	22.26		
10	16QAM	1	0	22.54	22.63	22.55	24	1
10	16QAM	1	25	22.55	22.57	22.45		
10	16QAM	1	49	22.44	22.59	22.48		
10	16QAM	25	0	21.19	21.29	21.20	23	2
10	16QAM	25	12	21.23	21.22	21.13		
10	16QAM	25	25	21.22	21.29	21.23		
10	16QAM	50	0	21.29	21.28	21.19		
10	64QAM	1	0	21.43	21.47	21.34	23	2
10	64QAM	1	25	21.38	21.42	21.35		
10	64QAM	1	49	21.28	21.38	21.34		
10	64QAM	25	0	20.18	20.31	20.22	22	3
10	64QAM	25	12	20.00	20.19	20.14		
10	64QAM	25	25	20.04	20.17	20.10		
10	64QAM	50	0	20.16	20.21	20.10		
10	256QAM	1	0	18.38	18.38	18.27	20	5
10	256QAM	1	25	18.32	18.39	18.24		
10	256QAM	1	49	18.35	18.39	18.25		
10	256QAM	25	0	18.20	18.32	18.21	20	5
10	256QAM	25	12	18.15	18.16	18.18		
10	256QAM	25	25	18.24	18.31	18.13		
10	256QAM	50	0	18.14	18.26	18.28		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.47	23.48	23.51	25	0
5	QPSK	1	12	23.48	23.41	23.39		
5	QPSK	1	24	23.32	23.37	23.29		
5	QPSK	12	0	22.13	22.34	22.21	24	1
5	QPSK	12	7	22.21	22.24	22.21		
5	QPSK	12	13	22.06	22.17	22.03		
5	QPSK	25	0	22.18	22.28	22.27		
5	16QAM	1	0	22.58	22.65	22.55	24	1
5	16QAM	1	12	22.51	22.58	22.45		
5	16QAM	1	24	22.41	22.57	22.46		
5	16QAM	12	0	21.18	21.34	21.19	23	2
5	16QAM	12	7	21.26	21.25	21.09		
5	16QAM	12	13	21.26	21.30	21.23		
5	16QAM	25	0	21.23	21.25	21.22		
5	64QAM	1	0	21.36	21.51	21.33	23	2
5	64QAM	1	12	21.30	21.44	21.34		
5	64QAM	1	24	21.34	21.37	21.25		
5	64QAM	12	0	20.17	20.20	20.19	22	3
5	64QAM	12	7	20.06	20.20	20.11		
5	64QAM	12	13	20.09	20.17	20.07		
5	64QAM	25	0	20.17	20.23	20.06		
5	256QAM	1	0	18.31	18.48	18.25	20	5
5	256QAM	1	12	18.39	18.42	18.25		
5	256QAM	1	24	18.36	18.32	18.25		
5	256QAM	12	0	18.15	18.26	18.31	20	5
5	256QAM	12	7	18.14	18.18	18.10		
5	256QAM	12	13	18.24	18.21	18.16		
5	256QAM	25	0	18.11	18.22	18.20		

Band 66 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.39	23.41	23.35	25	0
20	QPSK	1	49	23.26	23.25	23.21		
20	QPSK	1	99	23.11	23.21	23.13		
20	QPSK	50	0	22.24	22.31	22.26	24	1
20	QPSK	50	24	22.21	22.20	22.13		
20	QPSK	50	50	22.07	22.25	22.10		
20	QPSK	100	0	22.25	22.27	22.20		
20	16QAM	1	0	22.62	22.68	22.61	24	1
20	16QAM	1	49	22.53	22.59	22.49		
20	16QAM	1	99	22.35	22.58	22.50		
20	16QAM	50	0	21.21	21.34	21.14	23	2
20	16QAM	50	24	21.27	21.21	21.10		
20	16QAM	50	50	21.29	21.34	21.18		
20	16QAM	100	0	21.28	21.33	21.25		
20	64QAM	1	0	21.40	21.52	21.31	23	2
20	64QAM	1	49	21.40	21.38	21.30		
20	64QAM	1	99	21.26	21.42	21.26		
20	64QAM	50	0	20.23	20.25	20.24	22	3
20	64QAM	50	24	20.03	20.19	20.09		
20	64QAM	50	50	20.07	20.23	20.12		
20	64QAM	100	0	20.19	20.25	20.10		
20	256QAM	1	0	18.30	18.43	18.26	20	5
20	256QAM	1	49	18.31	18.38	18.21		
20	256QAM	1	99	18.27	18.35	18.26		
20	256QAM	50	0	18.16	18.31	18.20	20	5
20	256QAM	50	24	18.16	18.21	18.11		
20	256QAM	50	50	18.19	18.24	18.14		
20	256QAM	100	0	18.10	18.32	18.26		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.35	23.32	23.24	25	0
15	QPSK	1	37	23.19	23.15	23.09		
15	QPSK	1	74	23.00	23.07	23.02		
15	QPSK	36	0	22.13	22.20	22.12	24	1
15	QPSK	36	20	22.11	22.11	22.08		
15	QPSK	36	39	22.04	22.16	22.02		
15	QPSK	75	0	22.12	22.27	22.06		
15	16QAM	1	0	22.50	22.63	22.53	24	1
15	16QAM	1	37	22.47	22.45	22.45		
15	16QAM	1	74	22.30	22.48	22.41		
15	16QAM	36	0	21.10	21.24	21.05	23	2
15	16QAM	36	20	21.17	21.10	21.06		
15	16QAM	36	39	21.21	21.20	21.05		
15	16QAM	75	0	21.16	21.26	21.15		
15	64QAM	1	0	21.32	21.46	21.25	23	2
15	64QAM	1	37	21.30	21.34	21.21		
15	64QAM	1	74	21.12	21.29	21.14		
15	64QAM	36	0	20.11	20.15	20.17	22	3
15	64QAM	36	20	19.96	20.08	19.95		
15	64QAM	36	39	20.00	20.13	19.99		
15	64QAM	75	0	20.07	20.14	19.97		
15	256QAM	1	0	18.20	18.32	18.18	20	5
15	256QAM	1	37	18.18	18.25	18.17		
15	256QAM	1	74	18.17	18.29	18.17		
15	256QAM	36	0	18.12	18.17	18.10	20	5
15	256QAM	36	20	18.04	18.12	18.03		
15	256QAM	36	39	18.14	18.13	18.08		
15	256QAM	75	0	17.97	18.19	18.21		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.36	23.36	23.23	25	0
10	QPSK	1	25	23.14	23.16	23.07		
10	QPSK	1	49	23.01	23.15	23.06		
10	QPSK	25	0	22.20	22.14	22.16	24	1
10	QPSK	25	12	22.11	22.15	22.09		
10	QPSK	25	25	22.03	22.13	22.02		
10	QPSK	50	0	22.20	22.16	22.10		
10	16QAM	1	0	22.58	22.62	22.47	24	1
10	16QAM	1	25	22.44	22.50	22.44		
10	16QAM	1	49	22.30	22.47	22.38		
10	16QAM	25	0	21.08	21.22	21.10	23	2
10	16QAM	25	12	21.17	21.13	21.02		
10	16QAM	25	25	21.15	21.24	21.12		
10	16QAM	50	0	21.25	21.29	21.19		
10	64QAM	1	0	21.34	21.49	21.28	23	2
10	64QAM	1	25	21.37	21.24	21.21		
10	64QAM	1	49	21.21	21.32	21.21		
10	64QAM	25	0	20.09	20.19	20.21	22	3
10	64QAM	25	12	19.99	20.16	19.97		
10	64QAM	25	25	20.00	20.16	20.09		
10	64QAM	50	0	20.13	20.11	20.01		
10	256QAM	1	0	18.23	18.28	18.13	20	5
10	256QAM	1	25	18.21	18.26	18.18		
10	256QAM	1	49	18.15	18.23	18.12		
10	256QAM	25	0	18.10	18.27	18.14	20	5
10	256QAM	25	12	18.08	18.07	18.01		
10	256QAM	25	25	18.14	18.13	18.01		
10	256QAM	50	0	18.01	18.18	18.22		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.32	23.29	23.28	25	0
5	QPSK	1	12	23.15	23.14	23.13		
5	QPSK	1	24	23.04	23.07	23.01		
5	QPSK	12	0	22.13	22.19	22.16	24	1
5	QPSK	12	7	22.17	22.17	22.02		
5	QPSK	12	13	22.02	22.14	22.04		
5	QPSK	25	0	22.14	22.26	22.13		
5	16QAM	1	0	22.54	22.61	22.54	24	1
5	16QAM	1	12	22.48	22.44	22.42		
5	16QAM	1	24	22.20	22.52	22.40		
5	16QAM	12	0	21.07	21.23	21.11	23	2
5	16QAM	12	7	21.13	21.07	21.02		
5	16QAM	12	13	21.18	21.31	21.12		
5	16QAM	25	0	21.17	21.23	21.20		
5	64QAM	1	0	21.34	21.48	21.24	23	2
5	64QAM	1	12	21.31	21.24	21.18		
5	64QAM	1	24	21.20	21.37	21.22		
5	64QAM	12	0	20.16	20.19	20.16	22	3
5	64QAM	12	7	19.94	20.13	19.95		
5	64QAM	12	13	19.99	20.16	20.06		
5	64QAM	25	0	20.13	20.18	20.05		
5	256QAM	1	0	18.19	18.37	18.14	20	5
5	256QAM	1	12	18.24	18.32	18.08		
5	256QAM	1	24	18.18	18.31	18.12		
5	256QAM	12	0	18.05	18.21	18.07	20	5
5	256QAM	12	7	18.03	18.18	18.01		
5	256QAM	12	13	18.14	18.14	18.06		
5	256QAM	25	0	17.98	18.26	18.19		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	23.29	23.32	23.26	25	0
3	QPSK	1	8	23.14	23.21	23.14		
3	QPSK	1	14	23.04	23.13	23.05		
3	QPSK	8	0	22.16	22.18	22.16	24	1
3	QPSK	8	4	22.13	22.16	22.08		
3	QPSK	8	7	22.00	22.11	22.01		
3	QPSK	15	0	22.14	22.24	22.08		
3	16QAM	1	0	22.50	22.60	22.50	24	1
3	16QAM	1	8	22.39	22.50	22.40		
3	16QAM	1	14	22.28	22.45	22.38		
3	16QAM	8	0	21.09	21.30	21.10	23	2
3	16QAM	8	4	21.14	21.18	21.05		
3	16QAM	8	7	21.22	21.26	21.04		
3	16QAM	15	0	21.23	21.29	21.16		
3	64QAM	1	0	21.33	21.39	21.17	23	2
3	64QAM	1	8	21.31	21.33	21.21		
3	64QAM	1	14	21.20	21.32	21.20		
3	64QAM	8	0	20.19	20.13	20.10	22	3
3	64QAM	8	4	19.99	20.13	19.94		
3	64QAM	8	7	20.00	20.19	20.07		
3	64QAM	15	0	20.15	20.17	19.96		
3	256QAM	1	0	18.24	18.32	18.17	20	5
3	256QAM	1	8	18.27	18.33	18.11		
3	256QAM	1	14	18.23	18.28	18.14		
3	256QAM	8	0	18.11	18.17	18.09	20	5
3	256QAM	8	4	18.07	18.13	18.01		
3	256QAM	8	7	18.05	18.16	18.01		
3	256QAM	15	0	17.95	18.21	18.16		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	23.36	23.29	23.21	25	0
1.4	QPSK	1	3	23.15	23.21	23.13		
1.4	QPSK	1	5	23.08	23.11	23.03		
1.4	QPSK	3	0	23.36	23.26	23.23		
1.4	QPSK	3	1	23.16	23.22	23.17		
1.4	QPSK	3	3	23.01	23.11	23.05		
1.4	QPSK	6	0	22.16	22.16	22.18	24	1
1.4	16QAM	1	0	22.10	22.06	22.07	24	1
1.4	16QAM	1	3	22.01	22.12	22.01		
1.4	16QAM	1	5	22.12	22.25	22.12		
1.4	16QAM	3	0	22.55	22.55	22.53		
1.4	16QAM	3	1	22.39	22.51	22.45		
1.4	16QAM	3	3	22.25	22.47	22.38		
1.4	16QAM	6	0	21.15	21.30	21.10	23	2
1.4	64QAM	1	0	21.22	21.15	21.03	23	2
1.4	64QAM	1	3	21.24	21.28	21.03		
1.4	64QAM	1	5	21.18	21.29	21.16		
1.4	64QAM	3	0	21.29	21.48	21.28		
1.4	64QAM	3	1	21.28	21.32	21.26		
1.4	64QAM	3	3	21.16	21.38	21.23		
1.4	64QAM	6	0	20.13	20.16	20.11	22	3
1.4	256QAM	1	0	18.19	18.37	18.20	20	5
1.4	256QAM	1	3	18.24	18.24	18.10		
1.4	256QAM	1	5	18.23	18.21	18.19		
1.4	256QAM	3	0	18.05	18.23	18.17		
1.4	256QAM	3	1	18.11	18.09	18.01		
1.4	256QAM	3	3	18.13	18.15	18.05		
1.4	256QAM	6	0	18.00	18.27	18.13	20	5

Band 38 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.32	23.45	23.41	25	0
20	QPSK	1	49	23.23	23.31	23.26		
20	QPSK	1	99	23.14	23.20	23.11		
20	QPSK	50	0	22.20	22.37	22.28	24	1
20	QPSK	50	24	22.24	22.23	22.18		
20	QPSK	50	50	22.08	22.22	22.14		
20	QPSK	100	0	22.23	22.34	22.16		
20	16QAM	1	0	22.65	22.73	22.63	24	1
20	16QAM	1	49	22.57	22.62	22.50		
20	16QAM	1	99	22.31	22.64	22.51		
20	16QAM	50	0	21.25	21.38	21.18	23	2
20	16QAM	50	24	21.28	21.24	21.11		
20	16QAM	50	50	21.29	21.36	21.16		
20	16QAM	100	0	21.27	21.32	21.27		
20	64QAM	1	0	21.37	21.57	21.38	23	2
20	64QAM	1	49	21.39	21.34	21.29		
20	64QAM	1	99	21.28	21.45	21.28		
20	64QAM	50	0	20.20	20.26	20.27	22	3
20	64QAM	50	24	20.03	20.25	20.06		
20	64QAM	50	50	20.12	20.28	20.16		
20	64QAM	100	0	20.26	20.29	20.13		
20	256QAM	1	0	18.36	18.45	18.23	20	5
20	256QAM	1	49	18.36	18.34	18.23		
20	256QAM	1	99	18.29	18.35	18.22		
20	256QAM	50	0	18.18	18.27	18.22	20	5
20	256QAM	50	24	18.12	18.20	18.17		
20	256QAM	50	50	18.20	18.22	18.19		
20	256QAM	100	0	18.16	18.32	18.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.23	23.39	23.31	25	0
15	QPSK	1	37	23.15	23.23	23.21		
15	QPSK	1	74	23.10	23.14	23.01		
15	QPSK	36	0	22.10	22.30	22.17	24	1
15	QPSK	36	20	22.18	22.15	22.08		
15	QPSK	36	39	22.00	22.11	22.11		
15	QPSK	75	0	22.15	22.30	22.13		
15	16QAM	1	0	22.58	22.60	22.58	24	1
15	16QAM	1	37	22.48	22.58	22.46		
15	16QAM	1	74	22.19	22.60	22.38		
15	16QAM	36	0	21.20	21.27	21.12	23	2
15	16QAM	36	20	21.20	21.13	21.00		
15	16QAM	36	39	21.20	21.28	21.12		
15	16QAM	75	0	21.21	21.21	21.21		
15	64QAM	1	0	21.28	21.44	21.23	23	2
15	64QAM	1	37	21.34	21.26	21.18		
15	64QAM	1	74	21.16	21.31	21.17		
15	64QAM	36	0	20.15	20.13	20.14	22	3
15	64QAM	36	20	20.04	20.11	20.07		
15	64QAM	36	39	20.08	20.16	20.04		
15	64QAM	75	0	20.12	20.22	20.02		
15	256QAM	1	0	18.30	18.31	18.11	20	5
15	256QAM	1	37	18.29	18.30	18.16		
15	256QAM	1	74	18.19	18.22	18.14		
15	256QAM	36	0	18.14	18.14	18.12	20	5
15	256QAM	36	20	18.08	18.16	18.10		
15	256QAM	36	39	18.19	18.08	18.14		
15	256QAM	75	0	18.04	18.26	18.19		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.26	23.40	23.30	25	0
10	QPSK	1	25	23.15	23.17	23.16		
10	QPSK	1	49	23.03	23.08	23.06		
10	QPSK	25	0	22.14	22.26	22.18	24	1
10	QPSK	25	12	22.16	22.13	22.10		
10	QPSK	25	25	22.06	22.11	22.08		
10	QPSK	50	0	22.11	22.21	22.13		
10	16QAM	1	0	22.60	22.67	22.60	24	1
10	16QAM	1	25	22.43	22.54	22.44		
10	16QAM	1	49	22.17	22.50	22.41		
10	16QAM	25	0	21.17	21.33	21.06	23	2
10	16QAM	25	12	21.16	21.09	21.00		
10	16QAM	25	25	21.19	21.29	21.11		
10	16QAM	50	0	21.16	21.18	21.18		
10	64QAM	1	0	21.29	21.53	21.30	23	2
10	64QAM	1	25	21.28	21.29	21.15		
10	64QAM	1	49	21.25	21.41	21.14		
10	64QAM	25	0	20.10	20.23	20.23	22	3
10	64QAM	25	12	20.04	20.15	20.09		
10	64QAM	25	25	20.09	20.16	20.02		
10	64QAM	50	0	20.16	20.25	20.06		
10	256QAM	1	0	18.23	18.35	18.17	20	5
10	256QAM	1	25	18.25	18.25	18.11		
10	256QAM	1	49	18.18	18.26	18.16		
10	256QAM	25	0	18.11	18.23	18.14	20	5
10	256QAM	25	12	18.08	18.12	18.10		
10	256QAM	25	25	18.16	18.17	18.08		
10	256QAM	50	0	18.11	18.28	18.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.29	23.35	23.33	25	0
5	QPSK	1	12	23.13	23.18	23.12		
5	QPSK	1	24	23.06	23.10	23.07		
5	QPSK	12	0	22.08	22.22	22.13	24	1
5	QPSK	12	7	22.10	22.16	22.04		
5	QPSK	12	13	22.03	22.17	22.02		
5	QPSK	25	0	22.11	22.31	22.03		
5	16QAM	1	0	22.59	22.62	22.48	24	1
5	16QAM	1	12	22.49	22.55	22.36		
5	16QAM	1	24	22.24	22.53	22.37		
5	16QAM	12	0	21.20	21.29	21.05	23	2
5	16QAM	12	7	21.14	21.14	21.09		
5	16QAM	12	13	21.22	21.21	21.05		
5	16QAM	25	0	21.22	21.20	21.13		
5	64QAM	1	0	21.27	21.51	21.33	23	2
5	64QAM	1	12	21.28	21.31	21.21		
5	64QAM	1	24	21.17	21.39	21.21		
5	64QAM	12	0	20.05	20.14	20.19	22	3
5	64QAM	12	7	20.06	20.11	20.05		
5	64QAM	12	13	20.09	20.17	20.07		
5	64QAM	25	0	20.14	20.24	20.06		
5	256QAM	1	0	18.32	18.35	18.15	20	5
5	256QAM	1	12	18.31	18.31	18.18		
5	256QAM	1	24	18.23	18.32	18.19		
5	256QAM	12	0	18.12	18.15	18.14	20	5
5	256QAM	12	7	18.04	18.18	18.07		
5	256QAM	12	13	18.10	18.09	18.12		
5	256QAM	25	0	18.02	18.20	18.21		

Band 41 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.41	23.36	23.48	23.29	23.26	25	0
20	QPSK	1	49	23.18	23.24	23.41	23.23	23.18		
20	QPSK	1	99	23.02	23.17	23.22	23.16	23.03		
20	QPSK	50	0	22.25	22.29	22.39	22.35	22.29	24	1
20	QPSK	50	24	22.14	22.29	22.30	22.27	22.14		
20	QPSK	50	50	22.06	22.18	22.31	22.15	22.06		
20	QPSK	100	0	22.14	22.30	22.40	22.21	22.08		
20	16QAM	1	0	22.57	22.76	22.82	22.71	22.59	24	1
20	16QAM	1	49	22.38	22.65	22.69	22.52	22.46		
20	16QAM	1	99	22.50	22.35	22.75	22.59	22.45		
20	16QAM	50	0	21.15	21.34	21.47	21.19	21.08	23	2
20	16QAM	50	24	21.09	21.34	21.30	21.16	21.06		
20	16QAM	50	50	21.22	21.36	21.41	21.26	21.16		
20	16QAM	100	0	21.21	21.36	21.35	21.28	21.23		
20	64QAM	1	0	21.40	21.38	21.66	21.50	21.37	23	2
20	64QAM	1	49	21.21	21.43	21.35	21.31	21.27		
20	64QAM	1	99	21.32	21.31	21.48	21.39	21.30		
20	64QAM	50	0	20.24	20.24	20.34	20.38	20.34	22	3
20	64QAM	50	24	20.01	20.13	20.29	20.13	20.08		
20	64QAM	50	50	20.20	20.18	20.39	20.23	20.09		
20	64QAM	100	0	20.11	20.29	20.39	20.25	20.15		
20	256QAM	1	0	18.27	18.41	18.54	18.34	18.25	20	5
20	256QAM	1	49	18.25	18.46	18.39	18.34	18.31		
20	256QAM	1	99	18.14	18.40	18.46	18.27	18.15		
20	256QAM	50	0	18.27	18.22	18.32	18.31	18.23	20	5
20	256QAM	50	24	18.24	18.19	18.24	18.28	18.21		
20	256QAM	50	50	18.16	18.30	18.27	18.20	18.11		
20	256QAM	100	0	18.30	18.17	18.32	18.36	18.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.32	23.29	23.42	23.21	23.20	25	0
15	QPSK	1	37	23.10	23.15	23.38	23.20	23.15		
15	QPSK	1	74	23.06	23.11	23.14	23.05	23.03		
15	QPSK	36	0	22.12	22.18	22.28	22.29	22.20	24	1
15	QPSK	36	20	22.10	22.25	22.27	22.23	22.11		
15	QPSK	36	39	22.10	22.03	22.27	22.06	22.02		
15	QPSK	75	0	22.00	22.26	22.27	22.12	22.03		
15	16QAM	1	0	22.45	22.69	22.73	22.68	22.49	24	1
15	16QAM	1	37	22.32	22.54	22.62	22.46	22.41		
15	16QAM	1	74	22.41	22.21	22.63	22.54	22.31		
15	16QAM	36	0	21.01	21.27	21.43	21.16	21.04	23	2
15	16QAM	36	20	21.01	21.28	21.23	21.03	21.09		
15	16QAM	36	39	21.08	21.28	21.35	21.19	21.05		
15	16QAM	75	0	21.11	21.30	21.32	21.23	21.09		
15	64QAM	1	0	21.34	21.27	21.61	21.39	21.24	23	2
15	64QAM	1	37	21.07	21.32	21.29	21.20	21.13		
15	64QAM	1	74	21.20	21.18	21.38	21.31	21.16		
15	64QAM	36	0	20.16	20.14	20.21	20.31	20.20	22	3
15	64QAM	36	20	20.09	20.03	20.26	20.06	20.03		
15	64QAM	36	39	20.16	20.14	20.32	20.12	20.00		
15	64QAM	75	0	20.05	20.19	20.30	20.11	20.09		
15	256QAM	1	0	18.20	18.33	18.50	18.28	18.19	20	5
15	256QAM	1	37	18.13	18.42	18.24	18.28	18.20		
15	256QAM	1	74	18.10	18.32	18.41	18.18	18.10		
15	256QAM	36	0	18.21	18.12	18.25	18.24	18.13	20	5
15	256QAM	36	20	18.12	18.09	18.16	18.21	18.12		
15	256QAM	36	39	18.01	18.20	18.22	18.06	18.08		
15	256QAM	75	0	18.23	18.13	18.22	18.33	18.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.32	23.28	23.38	23.15	23.11	25	0
10	QPSK	1	25	23.11	23.12	23.27	23.15	23.11		
10	QPSK	1	49	23.06	23.11	23.07	23.09	23.03		
10	QPSK	25	0	22.27	22.14	22.32	22.27	22.30	24	1
10	QPSK	25	12	22.11	22.24	22.19	22.21	22.15		
10	QPSK	25	25	22.08	22.08	22.27	22.04	22.09		
10	QPSK	50	0	22.12	22.21	22.33	22.14	22.03		
10	16QAM	1	0	22.53	22.62	22.71	22.68	22.66	24	1
10	16QAM	1	25	22.45	22.53	22.63	22.44	22.48		
10	16QAM	1	49	22.48	22.20	22.71	22.45	22.50		
10	16QAM	25	0	21.11	21.22	21.36	21.07	21.09	23	2
10	16QAM	25	12	21.09	21.28	21.21	21.02	21.09		
10	16QAM	25	25	21.24	21.29	21.30	21.15	21.15		
10	16QAM	50	0	21.22	21.29	21.30	21.20	21.27		
10	64QAM	1	0	21.39	21.29	21.51	21.43	21.38	23	2
10	64QAM	1	25	21.22	21.29	21.23	21.22	21.24		
10	64QAM	1	49	21.39	21.23	21.43	21.25	21.30		
10	64QAM	25	0	20.22	20.11	20.23	20.30	20.39	22	3
10	64QAM	25	12	20.07	20.01	20.20	20.09	20.13		
10	64QAM	25	25	20.22	20.03	20.25	20.09	20.09		
10	64QAM	50	0	20.10	20.22	20.33	20.14	20.20		
10	256QAM	1	0	18.22	18.30	18.47	18.24	18.10	20	5
10	256QAM	1	25	18.12	18.31	18.31	18.29	18.24		
10	256QAM	1	49	18.01	18.33	18.40	18.14	18.06		
10	256QAM	25	0	18.21	18.15	18.21	18.22	18.11	20	5
10	256QAM	25	12	18.14	18.15	18.12	18.23	18.09		
10	256QAM	25	25	18.09	18.16	18.17	18.09	18.04		
10	256QAM	50	0	18.17	18.08	18.19	18.23	18.22		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.31	23.30	23.35	23.15	23.12	25	0
5	QPSK	1	12	23.06	23.10	23.37	23.09	23.06		
5	QPSK	1	24	23.03	23.08	23.15	23.03	23.08		
5	QPSK	12	0	22.28	22.15	22.27	22.30	22.28	24	1
5	QPSK	12	7	22.11	22.25	22.25	22.23	22.12		
5	QPSK	12	13	22.01	22.14	22.16	22.02	22.08		
5	QPSK	25	0	22.09	22.26	22.37	22.11	22.06		
5	16QAM	1	0	22.55	22.67	22.68	22.61	22.56	24	1
5	16QAM	1	12	22.34	22.55	22.64	22.45	22.49		
5	16QAM	1	24	22.50	22.24	22.62	22.48	22.42		
5	16QAM	12	0	21.12	21.21	21.44	21.16	21.12	23	2
5	16QAM	12	7	21.09	21.30	21.19	21.06	21.08		
5	16QAM	12	13	21.19	21.29	21.27	21.15	21.20		
5	16QAM	25	0	21.26	21.31	21.22	21.17	21.29		
5	64QAM	1	0	21.44	21.30	21.55	21.44	21.37	23	2
5	64QAM	1	12	21.24	21.38	21.25	21.23	21.23		
5	64QAM	1	24	21.34	21.25	21.40	21.25	21.27		
5	64QAM	12	0	20.21	20.17	20.21	20.27	20.41	22	3
5	64QAM	12	7	20.07	20.01	20.23	20.01	20.06		
5	64QAM	12	13	20.17	20.09	20.35	20.14	20.10		
5	64QAM	25	0	20.10	20.15	20.31	20.22	20.15		
5	256QAM	1	0	18.21	18.27	18.46	18.29	18.11	20	5
5	256QAM	1	12	18.13	18.42	18.36	18.28	18.27		
5	256QAM	1	24	18.06	18.33	18.32	18.15	18.02		
5	256QAM	12	0	18.21	18.09	18.21	18.16	18.13	20	5
5	256QAM	12	7	18.19	18.09	18.11	18.25	18.09		
5	256QAM	12	13	18.12	18.21	18.14	18.12	18.05		
5	256QAM	25	0	18.16	18.03	18.28	18.21	18.15		

WCDMA IV Ant4 Default

Band		WCDMA IV Ant4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.11	23.21	23.13	25.00
3GPP Rel 99	RMC 12.2Kbps	23.18	23.25	23.17	25.00
3GPP Rel 6	HSDPA Subtest-1	22.27	22.26	22.26	24.00
3GPP Rel 6	HSDPA Subtest-2	22.19	22.26	22.22	24.00
3GPP Rel 6	HSDPA Subtest-3	21.71	21.78	21.69	23.50
3GPP Rel 6	HSDPA Subtest-4	21.59	21.74	21.74	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.22	22.27	22.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.12	22.22	22.17	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.61	21.69	21.66	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.52	21.69	21.68	23.50
3GPP Rel 6	HSUPA Subtest-1	22.09	22.19	22.09	24.00
3GPP Rel 6	HSUPA Subtest-2	20.14	20.31	20.22	22.00
3GPP Rel 6	HSUPA Subtest-3	21.29	21.32	21.37	23.00
3GPP Rel 6	HSUPA Subtest-4	20.17	20.24	20.12	22.00
3GPP Rel 6	HSUPA Subtest-5	22.04	22.24	22.13	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.76	19.91	19.74	21.50

Band 4 Ant4 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.26	23.28	23.22	25	0
20	QPSK	1	49	23.15	23.20	23.17		
20	QPSK	1	99	23.16	23.16	23.14		
20	QPSK	50	0	22.24	22.31	22.17	24	1
20	QPSK	50	24	22.24	22.16	22.26		
20	QPSK	50	50	22.18	22.17	22.18		
20	QPSK	100	0	22.17	22.19	22.14		
20	16QAM	1	0	22.17	22.24	22.22	24	1
20	16QAM	1	49	22.18	22.14	22.16		
20	16QAM	1	99	22.23	22.20	22.21		
20	16QAM	50	0	21.30	21.32	21.23	23	2
20	16QAM	50	24	21.18	21.21	21.19		
20	16QAM	50	50	21.27	21.20	21.16		
20	16QAM	100	0	21.23	21.24	21.26		
20	64QAM	1	0	21.19	21.22	21.27	23	2
20	64QAM	1	49	21.22	21.20	21.23		
20	64QAM	1	99	21.17	21.25	21.20		
20	64QAM	50	0	20.18	20.31	20.18	22	3
20	64QAM	50	24	20.17	20.22	20.31		
20	64QAM	50	50	20.22	20.16	20.14		
20	64QAM	100	0	20.30	20.26	20.18		
20	256QAM	1	0	18.16	18.44	18.16	20	5
20	256QAM	1	49	18.22	18.30	18.23		
20	256QAM	1	99	18.24	18.12	18.28		
20	256QAM	50	0	18.21	18.32	18.22	20	5
20	256QAM	50	24	18.28	18.20	18.30		
20	256QAM	50	50	18.21	18.23	18.29		
20	256QAM	100	0	18.19	18.33	18.22		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.14	23.21	23.13	25	0
15	QPSK	1	37	23.01	23.07	23.05		
15	QPSK	1	74	23.05	23.09	23.04		
15	QPSK	36	0	22.12	22.22	22.11	24	1
15	QPSK	36	20	22.14	22.12	22.20		
15	QPSK	36	39	22.13	22.10	22.05		
15	QPSK	75	0	22.07	22.05	22.04		
15	16QAM	1	0	22.14	22.15	22.18	24	1
15	16QAM	1	37	22.09	22.03	22.11		
15	16QAM	1	74	22.14	22.11	22.08		
15	16QAM	36	0	21.16	21.21	21.17	23	2
15	16QAM	36	20	21.03	21.12	21.11		
15	16QAM	36	39	21.14	21.14	21.11		
15	16QAM	75	0	21.10	21.12	21.16		
15	64QAM	1	0	21.14	21.10	21.23	23	2
15	64QAM	1	37	21.10	21.15	21.17		
15	64QAM	1	74	21.04	21.16	21.09		
15	64QAM	36	0	20.06	20.20	20.07	22	3
15	64QAM	36	20	20.05	20.09	20.21		
15	64QAM	36	39	20.17	20.07	20.07		
15	64QAM	75	0	20.23	20.14	20.12		
15	256QAM	1	0	18.10	18.33	18.01	20	5
15	256QAM	1	37	18.09	18.21	18.13		
15	256QAM	1	74	18.15	18.17	18.13		
15	256QAM	36	0	18.16	18.28	18.10	20	5
15	256QAM	36	20	18.20	18.08	18.22		
15	256QAM	36	39	18.16	18.19	18.18		
15	256QAM	75	0	18.04	18.25	18.15		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.15	23.21	23.12	25	0
10	QPSK	1	25	23.01	23.10	23.10		
10	QPSK	1	49	23.07	23.04	23.05		
10	QPSK	25	0	22.18	22.22	22.13	24	1
10	QPSK	25	12	22.17	22.10	22.11		
10	QPSK	25	25	22.10	22.10	22.13		
10	QPSK	50	0	22.13	22.15	22.07		
10	16QAM	1	0	22.04	22.10	22.12	24	1
10	16QAM	1	25	22.04	22.03	22.06		
10	16QAM	1	49	22.16	22.06	22.16		
10	16QAM	25	0	21.16	21.29	21.14	23	2
10	16QAM	25	12	21.10	21.06	21.08		
10	16QAM	25	25	21.14	21.06	21.05		
10	16QAM	50	0	21.19	21.13	21.20		
10	64QAM	1	0	21.07	21.14	21.22	23	2
10	64QAM	1	25	21.10	21.08	21.13		
10	64QAM	1	49	21.14	21.20	21.16		
10	64QAM	25	0	20.13	20.28	20.12	22	3
10	64QAM	25	12	20.08	20.16	20.23		
10	64QAM	25	25	20.12	20.05	20.04		
10	64QAM	50	0	20.26	20.21	20.05		
10	256QAM	1	0	18.10	18.41	18.11	20	5
10	256QAM	1	25	18.17	18.26	18.12		
10	256QAM	1	49	18.11	18.21	18.15		
10	256QAM	25	0	18.14	18.22	18.11	20	5
10	256QAM	25	12	18.16	18.17	18.22		
10	256QAM	25	25	18.10	18.10	18.18		
10	256QAM	50	0	18.07	18.23	18.12		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.13	23.23	23.16	25	0
5	QPSK	1	12	23.05	23.08	23.12		
5	QPSK	1	24	23.10	23.05	23.01		
5	QPSK	12	0	22.11	22.19	22.08	24	1
5	QPSK	12	7	22.15	22.12	22.21		
5	QPSK	12	13	22.03	22.14	22.11		
5	QPSK	25	0	22.08	22.04	22.11		
5	16QAM	1	0	22.08	22.20	22.10	24	1
5	16QAM	1	12	22.07	22.01	22.06		
5	16QAM	1	24	22.08	22.11	22.16		
5	16QAM	12	0	21.20	21.29	21.19	23	2
5	16QAM	12	7	21.04	21.14	21.07		
5	16QAM	12	13	21.16	21.14	21.03		
5	16QAM	25	0	21.14	21.20	21.18		
5	64QAM	1	0	21.13	21.16	21.15	23	2
5	64QAM	1	12	21.11	21.14	21.18		
5	64QAM	1	24	21.05	21.12	21.06		
5	64QAM	12	0	20.12	20.24	20.04	22	3
5	64QAM	12	7	20.10	20.17	20.24		
5	64QAM	12	13	20.10	20.11	20.00		
5	64QAM	25	0	20.25	20.18	20.08		
5	256QAM	1	0	18.05	18.31	18.09	20	5
5	256QAM	1	12	18.13	18.23	18.14		
5	256QAM	1	24	18.21	18.21	18.21		
5	256QAM	12	0	18.17	18.29	18.08	20	5
5	256QAM	12	7	18.20	18.05	18.25		
5	256QAM	12	13	18.16	18.10	18.14		
5	256QAM	25	0	18.15	18.23	18.14		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.21	23.24	23.11	25	0
3	QPSK	1	8	23.02	23.06	23.10		
3	QPSK	1	14	23.06	23.02	23.01		
3	QPSK	8	0	22.13	22.27	22.05	24	1
3	QPSK	8	4	22.21	22.03	22.21		
3	QPSK	8	7	22.05	22.05	22.14		
3	QPSK	15	0	22.13	22.05	22.03		
3	16QAM	1	0	22.09	22.10	22.15	24	1
3	16QAM	1	8	22.08	22.05	22.01		
3	16QAM	1	14	22.14	22.16	22.17		
3	16QAM	8	0	21.20	21.22	21.11	23	2
3	16QAM	8	4	21.04	21.11	21.12		
3	16QAM	8	7	21.17	21.05	21.01		
3	16QAM	15	0	21.14	21.12	21.14		
3	64QAM	1	0	21.11	21.12	21.22	23	2
3	64QAM	1	8	21.12	21.15	21.14		
3	64QAM	1	14	21.07	21.18	21.16		
3	64QAM	8	0	20.09	20.22	20.05	22	3
3	64QAM	8	4	20.11	20.07	20.19		
3	64QAM	8	7	20.07	20.10	20.01		
3	64QAM	15	0	20.16	20.15	20.10		
3	256QAM	1	0	18.05	18.31	18.05	20	5
3	256QAM	1	8	18.17	18.25	18.14		
3	256QAM	1	14	18.13	18.14	18.19		
3	256QAM	8	0	18.10	18.28	18.09	20	5
3	256QAM	8	4	18.16	18.14	18.26		
3	256QAM	8	7	18.16	18.18	18.26		
3	256QAM	15	0	18.10	18.22	18.19		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.11	23.23	23.08	25	0
1.4	QPSK	1	3	23.12	23.07	23.10		
1.4	QPSK	1	5	23.08	23.04	23.04		
1.4	QPSK	3	0	23.17	23.20	23.15		
1.4	QPSK	3	1	23.09	23.16	23.10		
1.4	QPSK	3	3	23.05	23.07	23.03		
1.4	QPSK	6	0	22.18	22.20	22.12	24	1
1.4	16QAM	1	0	22.17	22.10	22.11	24	1
1.4	16QAM	1	3	22.06	22.07	22.14		
1.4	16QAM	1	5	22.04	22.05	22.11		
1.4	16QAM	3	0	22.10	22.21	22.14		
1.4	16QAM	3	1	22.07	22.07	22.04		
1.4	16QAM	3	3	22.20	22.08	22.15		
1.4	16QAM	6	0	21.17	21.26	21.17	23	2
1.4	64QAM	1	0	21.14	21.13	21.09	23	2
1.4	64QAM	1	3	21.12	21.08	21.04		
1.4	64QAM	1	5	21.09	21.20	21.15		
1.4	64QAM	3	0	21.08	21.14	21.20		
1.4	64QAM	3	1	21.14	21.13	21.19		
1.4	64QAM	3	3	21.10	21.13	21.07		
1.4	64QAM	6	0	20.14	20.18	20.12	22	3
1.4	256QAM	1	0	18.03	18.34	18.09	20	5
1.4	256QAM	1	3	18.12	18.26	18.15		
1.4	256QAM	1	5	18.12	18.03	18.22		
1.4	256QAM	3	0	18.07	18.19	18.17		
1.4	256QAM	3	1	18.20	18.09	18.19		
1.4	256QAM	3	3	18.17	18.12	18.14		
1.4	256QAM	6	0	18.15	18.27	18.17	20	5

Band 7 Ant4 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.55	23.63	23.61	25	0
20	QPSK	1	49	23.49	23.55	23.51		
20	QPSK	1	99	23.37	23.50	23.36		
20	QPSK	50	0	22.32	22.46	22.43	24	1
20	QPSK	50	24	22.31	22.40	22.29		
20	QPSK	50	50	22.26	22.35	22.24		
20	QPSK	100	0	22.37	22.42	22.29		
20	16QAM	1	0	22.60	22.63	22.50	24	1
20	16QAM	1	49	22.53	22.57	22.46		
20	16QAM	1	99	22.42	22.53	22.42		
20	16QAM	50	0	21.39	21.46	21.36	23	2
20	16QAM	50	24	21.35	21.38	21.25		
20	16QAM	50	50	21.35	21.42	21.37		
20	16QAM	100	0	21.40	21.44	21.32		
20	64QAM	1	0	21.42	21.56	21.41	23	2
20	64QAM	1	49	21.41	21.50	21.35		
20	64QAM	1	99	21.41	21.46	21.39		
20	64QAM	50	0	20.39	20.48	20.44	22	3
20	64QAM	50	24	20.28	20.39	20.33		
20	64QAM	50	50	20.33	20.44	20.37		
20	64QAM	100	0	20.28	20.42	20.38		
20	256QAM	1	0	18.52	18.61	18.47	20	5
20	256QAM	1	49	18.49	18.58	18.49		
20	256QAM	1	99	18.40	18.53	18.49		
20	256QAM	50	0	18.39	18.54	18.40	20	5
20	256QAM	50	24	18.34	18.44	18.33		
20	256QAM	50	50	18.36	18.50	18.42		
20	256QAM	100	0	18.41	18.45	18.42		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.52	23.49	23.48	25	0
15	QPSK	1	37	23.42	23.49	23.47		
15	QPSK	1	74	23.29	23.38	23.32		
15	QPSK	36	0	22.21	22.39	22.30	24	1
15	QPSK	36	20	22.24	22.33	22.18		
15	QPSK	36	39	22.17	22.27	22.12		
15	QPSK	75	0	22.31	22.34	22.19		
15	16QAM	1	0	22.55	22.56	22.43	24	1
15	16QAM	1	37	22.43	22.53	22.31		
15	16QAM	1	74	22.34	22.39	22.38		
15	16QAM	36	0	21.30	21.39	21.28	23	2
15	16QAM	36	20	21.20	21.34	21.11		
15	16QAM	36	39	21.31	21.33	21.30		
15	16QAM	75	0	21.28	21.32	21.29		
15	64QAM	1	0	21.28	21.42	21.30	23	2
15	64QAM	1	37	21.36	21.46	21.29		
15	64QAM	1	74	21.37	21.39	21.29		
15	64QAM	36	0	20.32	20.35	20.40	22	3
15	64QAM	36	20	20.23	20.25	20.20		
15	64QAM	36	39	20.22	20.31	20.30		
15	64QAM	75	0	20.14	20.28	20.25		
15	256QAM	1	0	18.38	18.50	18.40	20	5
15	256QAM	1	37	18.39	18.55	18.35		
15	256QAM	1	74	18.34	18.44	18.35		
15	256QAM	36	0	18.31	18.43	18.31	20	5
15	256QAM	36	20	18.25	18.40	18.18		
15	256QAM	36	39	18.24	18.39	18.33		
15	256QAM	75	0	18.29	18.36	18.34		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.43	23.58	23.56	25	0
10	QPSK	1	25	23.44	23.51	23.38		
10	QPSK	1	49	23.30	23.47	23.28		
10	QPSK	25	0	22.23	22.37	22.30	24	1
10	QPSK	25	12	22.19	22.35	22.25		
10	QPSK	25	25	22.16	22.23	22.14		
10	QPSK	50	0	22.27	22.33	22.24		
10	16QAM	1	0	22.54	22.49	22.41	24	1
10	16QAM	1	25	22.43	22.48	22.36		
10	16QAM	1	49	22.28	22.40	22.37		
10	16QAM	25	0	21.35	21.42	21.27	23	2
10	16QAM	25	12	21.25	21.28	21.12		
10	16QAM	25	25	21.30	21.28	21.33		
10	16QAM	50	0	21.36	21.34	21.19		
10	64QAM	1	0	21.34	21.49	21.33	23	2
10	64QAM	1	25	21.32	21.39	21.32		
10	64QAM	1	49	21.37	21.42	21.34		
10	64QAM	25	0	20.31	20.38	20.37	22	3
10	64QAM	25	12	20.24	20.36	20.28		
10	64QAM	25	25	20.20	20.38	20.32		
10	64QAM	50	0	20.14	20.35	20.24		
10	256QAM	1	0	18.38	18.51	18.41	20	5
10	256QAM	1	25	18.39	18.45	18.35		
10	256QAM	1	49	18.31	18.48	18.43		
10	256QAM	25	0	18.24	18.40	18.35	20	5
10	256QAM	25	12	18.19	18.35	18.19		
10	256QAM	25	25	18.26	18.40	18.30		
10	256QAM	50	0	18.35	18.35	18.34		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.47	23.49	23.56	25	0
5	QPSK	1	12	23.35	23.41	23.37		
5	QPSK	1	24	23.31	23.38	23.27		
5	QPSK	12	0	22.24	22.43	22.38	24	1
5	QPSK	12	7	22.22	22.26	22.17		
5	QPSK	12	13	22.18	22.26	22.10		
5	QPSK	25	0	22.33	22.31	22.17		
5	16QAM	1	0	22.53	22.58	22.40	24	1
5	16QAM	1	12	22.50	22.43	22.39		
5	16QAM	1	24	22.35	22.39	22.27		
5	16QAM	12	0	21.25	21.35	21.26	23	2
5	16QAM	12	7	21.32	21.33	21.18		
5	16QAM	12	13	21.20	21.36	21.22		
5	16QAM	25	0	21.27	21.31	21.19		
5	64QAM	1	0	21.28	21.43	21.37	23	2
5	64QAM	1	12	21.34	21.37	21.21		
5	64QAM	1	24	21.32	21.35	21.33		
5	64QAM	12	0	20.31	20.35	20.29	22	3
5	64QAM	12	7	20.19	20.33	20.26		
5	64QAM	12	13	20.24	20.37	20.30		
5	64QAM	25	0	20.17	20.32	20.31		
5	256QAM	1	0	18.48	18.51	18.43	20	5
5	256QAM	1	12	18.46	18.52	18.44		
5	256QAM	1	24	18.33	18.41	18.39		
5	256QAM	12	0	18.35	18.45	18.31	20	5
5	256QAM	12	7	18.25	18.32	18.20		
5	256QAM	12	13	18.32	18.43	18.29		
5	256QAM	25	0	18.35	18.39	18.37		

Band 66 Ant4 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.23	23.29	23.20	25	0
20	QPSK	1	49	23.19	23.22	23.23		
20	QPSK	1	99	23.17	23.24	23.15		
20	QPSK	50	0	22.23	22.37	22.21	24	1
20	QPSK	50	24	22.31	22.16	22.28		
20	QPSK	50	50	22.16	22.25	22.18		
20	QPSK	100	0	22.16	22.23	22.18		
20	16QAM	1	0	22.22	22.32	22.30	24	1
20	16QAM	1	49	22.22	22.21	22.14		
20	16QAM	1	99	22.30	22.26	22.27		
20	16QAM	50	0	21.33	21.38	21.24	23	2
20	16QAM	50	24	21.22	21.26	21.24		
20	16QAM	50	50	21.28	21.21	21.19		
20	16QAM	100	0	21.25	21.21	21.24		
20	64QAM	1	0	21.19	21.21	21.31	23	2
20	64QAM	1	49	21.30	21.23	21.28		
20	64QAM	1	99	21.19	21.33	21.21		
20	64QAM	50	0	20.26	20.32	20.24	22	3
20	64QAM	50	24	20.15	20.22	20.29		
20	64QAM	50	50	20.25	20.22	20.13		
20	64QAM	100	0	20.38	20.27	20.26		
20	256QAM	1	0	18.22	18.50	18.16	20	5
20	256QAM	1	49	18.20	18.31	18.28		
20	256QAM	1	99	18.33	18.17	18.37		
20	256QAM	50	0	18.29	18.31	18.24	20	5
20	256QAM	50	24	18.35	18.24	18.33		
20	256QAM	50	50	18.24	18.24	18.32		
20	256QAM	100	0	18.20	18.31	18.26		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.16	23.15	23.06	25	0
15	QPSK	1	37	23.11	23.12	23.11		
15	QPSK	1	74	23.05	23.16	23.02		
15	QPSK	36	0	22.08	22.33	22.07	24	1
15	QPSK	36	20	22.20	22.02	22.19		
15	QPSK	36	39	22.03	22.19	22.09		
15	QPSK	75	0	22.09	22.15	22.11		
15	16QAM	1	0	22.17	22.18	22.27	24	1
15	16QAM	1	37	22.14	22.15	22.02		
15	16QAM	1	74	22.24	22.21	22.19		
15	16QAM	36	0	21.21	21.27	21.15	23	2
15	16QAM	36	20	21.17	21.22	21.13		
15	16QAM	36	39	21.17	21.13	21.06		
15	16QAM	75	0	21.12	21.13	21.17		
15	64QAM	1	0	21.15	21.09	21.21	23	2
15	64QAM	1	37	21.23	21.17	21.17		
15	64QAM	1	74	21.14	21.24	21.16		
15	64QAM	36	0	20.20	20.24	20.13	22	3
15	64QAM	36	20	20.05	20.09	20.23		
15	64QAM	36	39	20.13	20.11	20.09		
15	64QAM	75	0	20.25	20.21	20.17		
15	256QAM	1	0	18.14	18.42	18.11	20	5
15	256QAM	1	37	18.12	18.28	18.17		
15	256QAM	1	74	18.21	18.07	18.26		
15	256QAM	36	0	18.23	18.19	18.18	20	5
15	256QAM	36	20	18.29	18.16	18.18		
15	256QAM	36	39	18.19	18.21	18.19		
15	256QAM	75	0	18.10	18.26	18.17		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.18	23.17	23.13	25	0
10	QPSK	1	25	23.09	23.09	23.17		
10	QPSK	1	49	23.04	23.15	23.03		
10	QPSK	25	0	22.10	22.24	22.07	24	1
10	QPSK	25	12	22.28	22.06	22.23		
10	QPSK	25	25	22.11	22.18	22.10		
10	QPSK	50	0	22.03	22.17	22.03		
10	16QAM	1	0	22.10	22.29	22.16	24	1
10	16QAM	1	25	22.07	22.16	22.09		
10	16QAM	1	49	22.25	22.18	22.20		
10	16QAM	25	0	21.25	21.24	21.10	23	2
10	16QAM	25	12	21.12	21.17	21.16		
10	16QAM	25	25	21.15	21.16	21.05		
10	16QAM	50	0	21.12	21.06	21.10		
10	64QAM	1	0	21.06	21.17	21.26	23	2
10	64QAM	1	25	21.20	21.11	21.15		
10	64QAM	1	49	21.06	21.19	21.14		
10	64QAM	25	0	20.18	20.18	20.18	22	3
10	64QAM	25	12	20.01	20.13	20.22		
10	64QAM	25	25	20.20	20.16	20.02		
10	64QAM	50	0	20.34	20.22	20.19		
10	256QAM	1	0	18.14	18.43	18.05	20	5
10	256QAM	1	25	18.12	18.17	18.19		
10	256QAM	1	49	18.29	18.13	18.31		
10	256QAM	25	0	18.19	18.20	18.11	20	5
10	256QAM	25	12	18.30	18.11	18.22		
10	256QAM	25	25	18.17	18.09	18.21		
10	256QAM	50	0	18.09	18.24	18.13		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.17	23.24	23.07	25	0
5	QPSK	1	12	23.05	23.09	23.16		
5	QPSK	1	24	23.05	23.14	23.01		
5	QPSK	12	0	22.19	22.25	22.13	24	1
5	QPSK	12	7	22.21	22.01	22.14		
5	QPSK	12	13	22.10	22.17	22.09		
5	QPSK	25	0	22.13	22.10	22.12		
5	16QAM	1	0	22.12	22.22	22.26	24	1
5	16QAM	1	12	22.14	22.18	22.07		
5	16QAM	1	24	22.26	22.18	22.22		
5	16QAM	12	0	21.19	21.29	21.09	23	2
5	16QAM	12	7	21.15	21.14	21.15		
5	16QAM	12	13	21.22	21.10	21.08		
5	16QAM	25	0	21.13	21.09	21.11		
5	64QAM	1	0	21.07	21.10	21.21	23	2
5	64QAM	1	12	21.19	21.17	21.22		
5	64QAM	1	24	21.14	21.24	21.15		
5	64QAM	12	0	20.12	20.22	20.13	22	3
5	64QAM	12	7	20.00	20.09	20.24		
5	64QAM	12	13	20.17	20.19	20.01		
5	64QAM	25	0	20.30	20.23	20.19		
5	256QAM	1	0	18.07	18.39	18.10	20	5
5	256QAM	1	12	18.07	18.19	18.24		
5	256QAM	1	24	18.20	18.13	18.31		
5	256QAM	12	0	18.17	18.28	18.09	20	5
5	256QAM	12	7	18.32	18.12	18.23		
5	256QAM	12	13	18.14	18.12	18.23		
5	256QAM	25	0	18.07	18.22	18.17		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	23.13	23.24	23.15	25	0
3	QPSK	1	8	23.10	23.18	23.14		
3	QPSK	1	14	23.07	23.19	23.06		
3	QPSK	8	0	22.16	22.26	22.15	24	1
3	QPSK	8	4	22.27	22.03	22.14		
3	QPSK	8	7	22.13	22.13	22.10		
3	QPSK	15	0	22.04	22.18	22.03		
3	16QAM	1	0	22.12	22.24	22.20	24	1
3	16QAM	1	8	22.07	22.10	22.02		
3	16QAM	1	14	22.19	22.21	22.18		
3	16QAM	8	0	21.30	21.24	21.12	23	2
3	16QAM	8	4	21.16	21.12	21.18		
3	16QAM	8	7	21.18	21.11	21.13		
3	16QAM	15	0	21.22	21.07	21.13		
3	64QAM	1	0	21.16	21.14	21.20	23	2
3	64QAM	1	8	21.18	21.12	21.13		
3	64QAM	1	14	21.09	21.21	21.08		
3	64QAM	8	0	20.16	20.29	20.15	22	3
3	64QAM	8	4	20.03	20.13	20.25		
3	64QAM	8	7	20.15	20.11	20.07		
3	64QAM	15	0	20.32	20.15	20.17		
3	256QAM	1	0	18.09	18.39	18.13	20	5
3	256QAM	1	8	18.07	18.20	18.20		
3	256QAM	1	14	18.28	18.03	18.32		
3	256QAM	8	0	18.23	18.16	18.18	20	5
3	256QAM	8	4	18.27	18.13	18.30		
3	256QAM	8	7	18.13	18.20	18.19		
3	256QAM	15	0	18.10	18.19	18.19		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	23.08	23.24	23.07	25	0
1.4	QPSK	1	3	23.14	23.11	23.13		
1.4	QPSK	1	5	23.08	23.12	23.04		
1.4	QPSK	3	0	23.09	23.18	23.13		
1.4	QPSK	3	1	23.13	23.07	23.15		
1.4	QPSK	3	3	23.12	23.15	23.00		
1.4	QPSK	6	0	22.17	22.22	22.15	24	1
1.4	16QAM	1	0	22.19	22.02	22.18	24	1
1.4	16QAM	1	3	22.03	22.13	22.10		
1.4	16QAM	1	5	22.12	22.09	22.11		
1.4	16QAM	3	0	22.13	22.19	22.23		
1.4	16QAM	3	1	22.14	22.09	22.08		
1.4	16QAM	3	3	22.24	22.21	22.16		
1.4	16QAM	6	0	21.26	21.27	21.09	23	2
1.4	64QAM	1	0	21.12	21.12	21.15	23	2
1.4	64QAM	1	3	21.20	21.13	21.11		
1.4	64QAM	1	5	21.18	21.12	21.21		
1.4	64QAM	3	0	21.09	21.10	21.20		
1.4	64QAM	3	1	21.25	21.11	21.15		
1.4	64QAM	3	3	21.16	21.24	21.12		
1.4	64QAM	6	0	20.20	20.23	20.09	22	3
1.4	256QAM	1	0	18.08	18.39	18.08	20	5
1.4	256QAM	1	3	18.12	18.17	18.21		
1.4	256QAM	1	5	18.23	18.14	18.27		
1.4	256QAM	3	0	18.16	18.24	18.18		
1.4	256QAM	3	1	18.23	18.13	18.18		
1.4	256QAM	3	3	18.18	18.10	18.18		
1.4	256QAM	6	0	18.09	18.19	18.13	20	5

Band 38 Ant4 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.26	23.30	23.28	25	0
20	QPSK	1	49	23.23	23.25	23.25		
20	QPSK	1	99	23.26	23.26	23.24		
20	QPSK	50	0	22.34	22.57	22.31	24	1
20	QPSK	50	24	22.39	22.32	22.44		
20	QPSK	50	50	22.31	22.34	22.30		
20	QPSK	100	0	22.30	22.38	22.34		
20	16QAM	1	0	22.33	22.43	22.49	24	1
20	16QAM	1	49	22.41	22.33	22.33		
20	16QAM	1	99	22.43	22.36	22.45		
20	16QAM	50	0	21.45	21.51	21.37	23	2
20	16QAM	50	24	21.31	21.44	21.44		
20	16QAM	50	50	21.37	21.34	21.32		
20	16QAM	100	0	21.44	21.37	21.41		
20	64QAM	1	0	21.30	21.31	21.48	23	2
20	64QAM	1	49	21.46	21.42	21.40		
20	64QAM	1	99	21.33	21.41	21.39		
20	64QAM	50	0	20.41	20.48	20.35	22	3
20	64QAM	50	24	20.24	20.41	20.41		
20	64QAM	50	50	20.34	20.33	20.27		
20	64QAM	100	0	20.51	20.41	20.39		
20	256QAM	1	0	18.41	18.65	18.35	20	5
20	256QAM	1	49	18.33	18.41	18.46		
20	256QAM	1	99	18.47	18.32	18.51		
20	256QAM	50	0	18.39	18.39	18.38	20	5
20	256QAM	50	24	18.53	18.33	18.50		
20	256QAM	50	50	18.37	18.44	18.47		
20	256QAM	100	0	18.38	18.43	18.34		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.15	23.22	23.16	25	0
15	QPSK	1	37	23.10	23.13	23.16		
15	QPSK	1	74	23.16	23.19	23.02		
15	QPSK	36	0	22.27	22.51	22.18	24	1
15	QPSK	36	20	22.31	22.27	22.36		
15	QPSK	36	39	22.23	22.28	22.22		
15	QPSK	75	0	22.20	22.33	22.23		
15	16QAM	1	0	22.27	22.33	22.40	24	1
15	16QAM	1	37	22.36	22.27	22.21		
15	16QAM	1	74	22.32	22.26	22.34		
15	16QAM	36	0	21.41	21.41	21.25	23	2
15	16QAM	36	20	21.23	21.30	21.37		
15	16QAM	36	39	21.25	21.24	21.20		
15	16QAM	75	0	21.41	21.31	21.32		
15	64QAM	1	0	21.15	21.27	21.39	23	2
15	64QAM	1	37	21.36	21.29	21.25		
15	64QAM	1	74	21.28	21.31	21.33		
15	64QAM	36	0	20.37	20.34	20.27	22	3
15	64QAM	36	20	20.14	20.36	20.33		
15	64QAM	36	39	20.23	20.30	20.13		
15	64QAM	75	0	20.39	20.30	20.32		
15	256QAM	1	0	18.32	18.55	18.27	20	5
15	256QAM	1	37	18.21	18.30	18.35		
15	256QAM	1	74	18.35	18.20	18.37		
15	256QAM	36	0	18.24	18.34	18.34	20	5
15	256QAM	36	20	18.39	18.21	18.47		
15	256QAM	36	39	18.31	18.33	18.42		
15	256QAM	75	0	18.24	18.38	18.30		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.18	23.24	23.16	25	0
10	QPSK	1	25	23.08	23.11	23.18		
10	QPSK	1	49	23.22	23.14	23.00		
10	QPSK	25	0	22.27	22.51	22.25	24	1
10	QPSK	25	12	22.31	22.25	22.37		
10	QPSK	25	25	22.20	22.23	22.26		
10	QPSK	50	0	22.22	22.28	22.28		
10	16QAM	1	0	22.26	22.36	22.36	24	1
10	16QAM	1	25	22.33	22.20	22.18		
10	16QAM	1	49	22.37	22.25	22.38		
10	16QAM	25	0	21.31	21.39	21.23	23	2
10	16QAM	25	12	21.26	21.31	21.34		
10	16QAM	25	25	21.29	21.23	21.20		
10	16QAM	50	0	21.39	21.23	21.29		
10	64QAM	1	0	21.24	21.28	21.38	23	2
10	64QAM	1	25	21.35	21.32	21.25		
10	64QAM	1	49	21.29	21.31	21.33		
10	64QAM	25	0	20.35	20.37	20.30	22	3
10	64QAM	25	12	20.13	20.29	20.36		
10	64QAM	25	25	20.21	20.27	20.16		
10	64QAM	50	0	20.44	20.32	20.28		
10	256QAM	1	0	18.34	18.53	18.25	20	5
10	256QAM	1	25	18.26	18.28	18.41		
10	256QAM	1	49	18.41	18.20	18.42		
10	256QAM	25	0	18.34	18.34	18.28	20	5
10	256QAM	25	12	18.47	18.20	18.43		
10	256QAM	25	25	18.23	18.30	18.33		
10	256QAM	50	0	18.28	18.35	18.24		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.22	23.26	23.14	25	0
5	QPSK	1	12	23.09	23.12	23.18		
5	QPSK	1	24	23.19	23.15	23.01		
5	QPSK	12	0	22.20	22.45	22.26	24	1
5	QPSK	12	7	22.30	22.20	22.35		
5	QPSK	12	13	22.22	22.22	22.26		
5	QPSK	25	0	22.25	22.24	22.28		
5	16QAM	1	0	22.29	22.31	22.46	24	1
5	16QAM	1	12	22.31	22.20	22.29		
5	16QAM	1	24	22.40	22.29	22.42		
5	16QAM	12	0	21.40	21.48	21.29	23	2
5	16QAM	12	7	21.21	21.39	21.40		
5	16QAM	12	13	21.34	21.23	21.29		
5	16QAM	25	0	21.37	21.29	21.31		
5	64QAM	1	0	21.18	21.22	21.43	23	2
5	64QAM	1	12	21.38	21.31	21.29		
5	64QAM	1	24	21.24	21.37	21.33		
5	64QAM	12	0	20.28	20.38	20.24	22	3
5	64QAM	12	7	20.12	20.28	20.29		
5	64QAM	12	13	20.22	20.21	20.13		
5	64QAM	25	0	20.43	20.27	20.29		
5	256QAM	1	0	18.36	18.50	18.32	20	5
5	256QAM	1	12	18.26	18.36	18.35		
5	256QAM	1	24	18.37	18.26	18.39		
5	256QAM	12	0	18.34	18.26	18.29	20	5
5	256QAM	12	7	18.50	18.22	18.42		
5	256QAM	12	13	18.23	18.31	18.33		
5	256QAM	25	0	18.27	18.36	18.29		

Band 41 Ant4 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.18	23.22	23.33	23.28	23.17	25	0
20	QPSK	1	49	23.15	23.20	23.24	23.23	23.16		
20	QPSK	1	99	23.00	23.13	23.25	23.15	23.08		
20	QPSK	50	0	22.14	22.27	22.53	22.23	22.14	24	1
20	QPSK	50	24	22.21	22.31	22.19	22.33	22.20		
20	QPSK	50	50	22.12	22.21	22.26	22.25	22.17		
20	QPSK	100	0	22.23	22.27	22.30	22.20	22.17		
20	16QAM	1	0	22.15	22.18	22.31	22.37	22.10	24	1
20	16QAM	1	49	22.23	22.27	22.22	22.19	22.20		
20	16QAM	1	99	22.24	22.38	22.30	22.39	22.35		
20	16QAM	50	0	21.36	21.41	21.38	21.26	21.35	23	2
20	16QAM	50	24	21.06	21.16	21.41	21.32	21.05		
20	16QAM	50	50	21.22	21.28	21.24	21.27	21.23		
20	16QAM	100	0	21.27	21.40	21.30	21.30	21.26		
20	64QAM	1	0	21.10	21.16	21.26	21.33	21.10	23	2
20	64QAM	1	49	21.30	21.34	21.37	21.30	21.28		
20	64QAM	1	99	21.17	21.26	21.33	21.29	21.12		
20	64QAM	50	0	20.28	20.38	20.42	20.24	20.27	22	3
20	64QAM	50	24	20.06	20.18	20.33	20.27	20.11		
20	64QAM	50	50	20.13	20.21	20.18	20.12	20.09		
20	64QAM	100	0	20.42	20.48	20.28	20.28	20.41		
20	256QAM	1	0	18.26	18.36	18.61	18.25	18.28	20	5
20	256QAM	1	49	18.19	18.23	18.27	18.36	18.14		
20	256QAM	1	99	18.22	18.35	18.23	18.39	18.21		
20	256QAM	50	0	18.25	18.32	18.27	18.32	18.27	20	5
20	256QAM	50	24	18.42	18.45	18.20	18.39	18.34		
20	256QAM	50	50	18.19	18.24	18.40	18.37	18.18		
20	256QAM	100	0	18.10	18.28	18.34	18.29	18.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.08	23.08	23.20	23.24	23.14	25	0
15	QPSK	1	37	23.06	23.07	23.11	23.10	23.05		
15	QPSK	1	74	23.07	23.05	23.15	23.12	23.09		
15	QPSK	36	0	22.03	22.23	22.42	22.15	22.01	24	1
15	QPSK	36	20	22.09	22.18	22.13	22.20	22.09		
15	QPSK	36	39	22.01	22.12	22.13	22.18	22.03		
15	QPSK	75	0	22.08	22.20	22.18	22.16	22.07		
15	16QAM	1	0	22.06	22.08	22.24	22.25	22.05	24	1
15	16QAM	1	37	22.11	22.15	22.15	22.13	22.08		
15	16QAM	1	74	22.11	22.25	22.26	22.27	22.24		
15	16QAM	36	0	21.25	21.29	21.33	21.11	21.24	23	2
15	16QAM	36	20	21.18	21.05	21.35	21.25	21.12		
15	16QAM	36	39	21.10	21.15	21.19	21.22	21.13		
15	16QAM	75	0	21.21	21.33	21.23	21.23	21.11		
15	64QAM	1	0	21.15	21.12	21.13	21.29	21.06	23	2
15	64QAM	1	37	21.16	21.28	21.25	21.19	21.21		
15	64QAM	1	74	21.07	21.21	21.28	21.15	21.03		
15	64QAM	36	0	20.25	20.28	20.31	20.21	20.20	22	3
15	64QAM	36	20	20.00	20.08	20.30	20.18	20.03		
15	64QAM	36	39	20.00	20.13	20.06	20.08	20.03		
15	64QAM	75	0	20.34	20.44	20.21	20.16	20.36		
15	256QAM	1	0	18.17	18.30	18.58	18.20	18.24	20	5
15	256QAM	1	37	18.10	18.18	18.16	18.25	18.10		
15	256QAM	1	74	18.09	18.23	18.12	18.27	18.09		
15	256QAM	36	0	18.19	18.28	18.17	18.20	18.21	20	5
15	256QAM	36	20	18.28	18.42	18.08	18.25	18.25		
15	256QAM	36	39	18.14	18.14	18.28	18.28	18.12		
15	256QAM	75	0	18.04	18.13	18.29	18.21	18.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.14	23.17	23.28	23.24	23.10	25	0
10	QPSK	1	25	23.10	23.07	23.16	23.10	23.02		
10	QPSK	1	49	23.12	23.08	23.15	23.09	23.03		
10	QPSK	25	0	22.03	22.18	22.39	22.20	22.03	24	1
10	QPSK	25	12	22.12	22.19	22.06	22.29	22.08		
10	QPSK	25	25	22.06	22.13	22.16	22.17	22.13		
10	QPSK	50	0	22.16	22.18	22.18	22.09	22.13		
10	16QAM	1	0	22.03	22.11	22.19	22.24	22.05	24	1
10	16QAM	1	25	22.10	22.18	22.19	22.15	22.11		
10	16QAM	1	49	22.20	22.31	22.16	22.25	22.22		
10	16QAM	25	0	21.28	21.33	21.30	21.22	21.26	23	2
10	16QAM	25	12	21.02	21.01	21.30	21.22	21.00		
10	16QAM	25	25	21.17	21.20	21.21	21.18	21.16		
10	16QAM	50	0	21.15	21.36	21.20	21.25	21.15		
10	64QAM	1	0	21.01	21.10	21.14	21.24	21.03	23	2
10	64QAM	1	25	21.25	21.31	21.27	21.25	21.20		
10	64QAM	1	49	21.14	21.13	21.22	21.17	21.01		
10	64QAM	25	0	20.18	20.26	20.28	20.13	20.14	22	3
10	64QAM	25	12	20.17	20.11	20.28	20.16	20.03		
10	64QAM	25	25	20.04	20.10	20.11	20.07	20.09		
10	64QAM	50	0	20.34	20.45	20.24	20.22	20.36		
10	256QAM	1	0	18.20	18.29	18.53	18.10	18.22	20	5
10	256QAM	1	25	18.12	18.19	18.14	18.26	18.00		
10	256QAM	1	49	18.12	18.22	18.15	18.30	18.12		
10	256QAM	25	0	18.20	18.18	18.16	18.20	18.16	20	5
10	256QAM	25	12	18.38	18.31	18.08	18.27	18.26		
10	256QAM	25	25	18.05	18.20	18.27	18.29	18.10		
10	256QAM	50	0	18.03	18.25	18.29	18.24	18.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.04	23.12	23.22	23.13	23.08	25	0
5	QPSK	1	12	23.02	23.11	23.12	23.15	23.03		
5	QPSK	1	24	23.03	23.02	23.17	23.06	23.09		
5	QPSK	12	0	22.04	22.14	22.48	22.18	22.06	24	1
5	QPSK	12	7	22.08	22.22	22.11	22.21	22.15		
5	QPSK	12	13	22.04	22.14	22.15	22.20	22.12		
5	QPSK	25	0	22.08	22.18	22.18	22.14	22.10		
5	16QAM	1	0	22.07	22.13	22.24	22.31	22.00	24	1
5	16QAM	1	12	22.19	22.16	22.18	22.11	22.12		
5	16QAM	1	24	22.17	22.29	22.22	22.33	22.24		
5	16QAM	12	0	21.21	21.27	21.28	21.13	21.21	23	2
5	16QAM	12	7	21.01	21.04	21.33	21.24	21.17		
5	16QAM	12	13	21.16	21.24	21.17	21.17	21.14		
5	16QAM	25	0	21.23	21.29	21.23	21.25	21.11		
5	64QAM	1	0	21.05	21.12	21.23	21.26	21.02	23	2
5	64QAM	1	12	21.23	21.28	21.32	21.18	21.13		
5	64QAM	1	24	21.10	21.20	21.30	21.20	21.08		
5	64QAM	12	0	20.17	20.26	20.33	20.11	20.13	22	3
5	64QAM	12	7	20.09	20.12	20.24	20.21	20.01		
5	64QAM	12	13	20.08	20.16	20.04	20.07	20.04		
5	64QAM	25	0	20.37	20.34	20.13	20.17	20.33		
5	256QAM	1	0	18.13	18.26	18.48	18.12	18.18	20	5
5	256QAM	1	12	18.13	18.18	18.21	18.27	18.03		
5	256QAM	1	24	18.17	18.29	18.20	18.33	18.17		
5	256QAM	12	0	18.20	18.22	18.19	18.22	18.14	20	5
5	256QAM	12	7	18.30	18.39	18.06	18.26	18.24		
5	256QAM	12	13	18.14	18.12	18.34	18.32	18.10		
5	256QAM	25	0	18.02	18.24	18.26	18.23	18.01		

WCDMA IV Ant5 Default

Band		WCDMA IV Ant5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.86	20.90	20.80	22.50
3GPP Rel 99	RMC 12.2Kbps	20.89	20.93	20.83	22.50
3GPP Rel 6	HSDPA Subtest-1	19.87	19.96	19.96	21.50
3GPP Rel 6	HSDPA Subtest-2	19.88	19.89	19.91	21.50
3GPP Rel 6	HSDPA Subtest-3	19.41	19.46	19.49	21.00
3GPP Rel 6	HSDPA Subtest-4	19.32	19.38	19.39	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.99	19.92	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	19.88	19.84	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.23	19.43	19.34	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.20	19.33	19.31	21.00
3GPP Rel 6	HSUPA Subtest-1	19.75	19.89	19.87	21.50
3GPP Rel 6	HSUPA Subtest-2	17.92	18.00	17.87	19.50
3GPP Rel 6	HSUPA Subtest-3	18.95	19.06	19.04	20.50
3GPP Rel 6	HSUPA Subtest-4	17.81	17.86	17.89	19.50
3GPP Rel 6	HSUPA Subtest-5	19.77	19.89	19.79	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.43	17.51	17.53	19.00

Band 4 Ant5 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.99	21.07	20.95	22.5	0
20	QPSK	1	49	20.92	20.99	20.93		
20	QPSK	1	99	20.91	20.94	20.82		
20	QPSK	50	0	19.88	20.02	19.97	21.5	1
20	QPSK	50	24	19.91	19.96	19.84		
20	QPSK	50	50	19.84	19.91	19.81		
20	QPSK	100	0	19.82	19.95	19.85		
20	16QAM	1	0	20.00	20.07	19.97	21.5	1
20	16QAM	1	49	19.90	20.01	19.96		
20	16QAM	1	99	19.84	19.97	19.85		
20	16QAM	50	0	18.95	19.03	18.93	20.5	2
20	16QAM	50	24	18.85	18.95	18.87		
20	16QAM	50	50	18.89	18.99	18.92		
20	16QAM	100	0	18.84	18.97	18.85		
20	64QAM	1	0	18.96	19.04	18.90	20.5	2
20	64QAM	1	49	18.94	18.98	18.85		
20	64QAM	1	99	18.87	18.94	18.85		
20	64QAM	50	0	17.87	17.97	17.90	19.5	3
20	64QAM	50	24	17.77	17.88	17.83		
20	64QAM	50	50	17.89	17.93	17.90		
20	64QAM	100	0	17.91	17.96	17.82		
20	256QAM	1	0	15.98	16.07	16.02	17.5	5
20	256QAM	1	49	15.99	16.04	15.96		
20	256QAM	1	99	15.92	15.99	15.93		
20	256QAM	50	0	15.81	15.96	15.84	17.5	5
20	256QAM	50	24	15.81	15.86	15.72		
20	256QAM	50	50	15.85	15.92	15.80		
20	256QAM	100	0	15.84	15.93	15.89		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.95	20.92	20.84	22.5	0
15	QPSK	1	37	20.84	20.84	20.82		
15	QPSK	1	74	20.86	20.87	20.76		
15	QPSK	36	0	19.79	19.98	19.94	21.5	1
15	QPSK	36	20	19.81	19.82	19.77		
15	QPSK	36	39	19.83	19.87	19.76		
15	QPSK	75	0	19.80	19.87	19.72		
15	16QAM	1	0	19.95	19.96	19.88	21.5	1
15	16QAM	1	37	19.83	19.88	19.85		
15	16QAM	1	74	19.72	19.94	19.74		
15	16QAM	36	0	18.87	18.93	18.79	20.5	2
15	16QAM	36	20	18.77	18.87	18.79		
15	16QAM	36	39	18.84	18.87	18.77		
15	16QAM	75	0	18.80	18.86	18.72		
15	64QAM	1	0	18.82	18.96	18.80	20.5	2
15	64QAM	1	37	18.85	18.92	18.72		
15	64QAM	1	74	18.82	18.82	18.73		
15	64QAM	36	0	17.74	17.93	17.77	19.5	3
15	64QAM	36	20	17.75	17.77	17.72		
15	64QAM	36	39	17.75	17.88	17.80		
15	64QAM	75	0	17.76	17.84	17.74		
15	256QAM	1	0	15.85	16.03	15.92	17.5	5
15	256QAM	1	37	15.91	15.97	15.86		
15	256QAM	1	74	15.78	15.86	15.84		
15	256QAM	36	0	15.73	15.84	15.79	17.5	5
15	256QAM	36	20	15.71	15.83	15.81		
15	256QAM	36	39	15.72	15.80	15.75		
15	256QAM	75	0	15.71	15.88	15.84		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.96	20.89	22.5	0
10	QPSK	1	25	20.86	20.94	20.84		
10	QPSK	1	49	20.76	20.81	20.77		
10	QPSK	25	0	19.85	19.91	19.93	21.5	1
10	QPSK	25	12	19.85	19.89	19.81		
10	QPSK	25	25	19.75	19.84	19.72		
10	QPSK	50	0	19.71	19.91	19.76		
10	16QAM	1	0	19.89	20.00	19.89	21.5	1
10	16QAM	1	25	19.79	19.95	19.89		
10	16QAM	1	49	19.72	19.92	19.72		
10	16QAM	25	0	18.82	18.98	18.84	20.5	2
10	16QAM	25	12	18.75	18.84	18.78		
10	16QAM	25	25	18.77	18.86	18.80		
10	16QAM	50	0	18.79	18.85	18.82		
10	64QAM	1	0	18.88	18.92	18.85	20.5	2
10	64QAM	1	25	18.85	18.95	18.74		
10	64QAM	1	49	18.72	18.81	18.77		
10	64QAM	25	0	17.80	17.86	17.77	19.5	3
10	64QAM	25	12	17.74	17.77	17.75		
10	64QAM	25	25	17.78	17.80	17.79		
10	64QAM	50	0	17.81	17.84	17.76		
10	256QAM	1	0	15.94	15.93	15.90	17.5	5
10	256QAM	1	25	15.86	15.97	15.83		
10	256QAM	1	49	15.80	15.96	15.85		
10	256QAM	25	0	15.72	15.81	15.72	17.5	5
10	256QAM	25	12	15.71	15.81	15.77		
10	256QAM	25	25	15.76	15.88	15.82		
10	256QAM	50	0	15.76	15.88	15.80		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.90	20.96	20.91	22.5	0
5	QPSK	1	12	20.88	20.87	20.84		
5	QPSK	1	24	20.88	20.89	20.77		
5	QPSK	12	0	19.77	19.92	19.90	21.5	1
5	QPSK	12	7	19.77	19.85	19.80		
5	QPSK	12	13	19.73	19.83	19.72		
5	QPSK	25	0	19.75	19.86	19.78		
5	16QAM	1	0	19.93	20.03	19.94	21.5	1
5	16QAM	1	12	19.82	19.97	19.84		
5	16QAM	1	24	19.71	19.84	19.80		
5	16QAM	12	0	18.83	19.00	18.88	20.5	2
5	16QAM	12	7	18.77	18.87	18.80		
5	16QAM	12	13	18.76	18.93	18.80		
5	16QAM	25	0	18.80	18.91	18.79		
5	64QAM	1	0	18.90	18.95	18.80	20.5	2
5	64QAM	1	12	18.85	18.87	18.74		
5	64QAM	1	24	18.72	18.89	18.73		
5	64QAM	12	0	17.80	17.85	17.79	19.5	3
5	64QAM	12	7	17.74	17.76	17.71		
5	64QAM	12	13	17.85	17.80	17.86		
5	64QAM	25	0	17.86	17.83	17.78		
5	256QAM	1	0	15.91	16.01	15.93	17.5	5
5	256QAM	1	12	15.92	15.97	15.90		
5	256QAM	1	24	15.82	15.90	15.88		
5	256QAM	12	0	15.87	15.92	15.73	17.5	5
5	256QAM	12	7	15.73	15.73	15.71		
5	256QAM	12	13	15.77	15.80	15.75		
5	256QAM	25	0	15.80	15.89	15.78		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.96	20.97	20.92	22.5	0
3	QPSK	1	8	20.84	20.93	20.89		
3	QPSK	1	14	20.80	20.83	20.75		
3	QPSK	8	0	19.84	19.99	19.91	21.5	1
3	QPSK	8	4	19.80	19.93	19.78		
3	QPSK	8	7	19.72	19.76	19.75		
3	QPSK	15	0	19.77	19.83	19.73		
3	16QAM	1	0	19.94	19.94	19.84	21.5	1
3	16QAM	1	8	19.75	19.97	19.81		
3	16QAM	1	14	19.78	19.87	19.72		
3	16QAM	8	0	18.92	18.99	18.90	20.5	2
3	16QAM	8	4	18.79	18.89	18.81		
3	16QAM	8	7	18.77	18.89	18.77		
3	16QAM	15	0	18.72	18.85	18.81		
3	64QAM	1	0	18.90	18.97	18.78	20.5	2
3	64QAM	1	8	18.90	18.87	18.81		
3	64QAM	1	14	18.84	18.80	18.77		
3	64QAM	8	0	17.81	17.84	17.87	19.5	3
3	64QAM	8	4	17.74	17.77	17.73		
3	64QAM	8	7	17.86	17.84	17.78		
3	64QAM	15	0	17.87	17.86	17.78		
3	256QAM	1	0	15.88	15.94	15.94	17.5	5
3	256QAM	1	8	15.92	15.98	15.86		
3	256QAM	1	14	15.82	15.89	15.85		
3	256QAM	8	0	15.73	15.93	15.79	17.5	5
3	256QAM	8	4	15.71	15.76	15.73		
3	256QAM	8	7	15.73	15.79	15.75		
3	256QAM	15	0	15.72	15.89	15.80		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.95	20.97	20.85	22.5	0
1.4	QPSK	1	3	20.85	20.93	20.80		
1.4	QPSK	1	5	20.87	20.82	20.73		
1.4	QPSK	3	0	20.90	20.94	20.85		
1.4	QPSK	3	1	20.89	20.85	20.86		
1.4	QPSK	3	3	20.76	20.80	20.76		
1.4	QPSK	6	0	19.77	19.93	19.82	21.5	1
1.4	16QAM	1	0	19.80	19.88	19.80	21.5	1
1.4	16QAM	1	3	19.76	19.83	19.71		
1.4	16QAM	1	5	19.77	19.91	19.82		
1.4	16QAM	3	0	19.93	19.94	19.91		
1.4	16QAM	3	1	19.75	19.88	19.89		
1.4	16QAM	3	3	19.73	19.88	19.71		
1.4	16QAM	6	0	18.91	18.93	18.89	20.5	2
1.4	64QAM	1	0	18.90	18.91	18.83	20.5	2
1.4	64QAM	1	3	18.76	18.84	18.88		
1.4	64QAM	1	5	18.92	18.97	18.83		
1.4	64QAM	3	0	18.84	18.92	18.75		
1.4	64QAM	3	1	18.84	18.87	18.74		
1.4	64QAM	3	3	18.78	18.83	18.79		
1.4	64QAM	6	0	17.74	17.80	17.75	19.5	3
1.4	256QAM	1	0	15.88	15.96	15.93	17.5	5
1.4	256QAM	1	3	15.92	15.90	15.87		
1.4	256QAM	1	5	15.87	15.96	15.78		
1.4	256QAM	3	0	15.89	15.92	15.72		
1.4	256QAM	3	1	15.73	15.76	15.74		
1.4	256QAM	3	3	15.81	15.84	15.75		
1.4	256QAM	6	0	15.80	15.85	15.75	17.5	5

Band 7 Ant5 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.52	20.65	20.51	22	0
20	QPSK	1	49	20.46	20.56	20.46		
20	QPSK	1	99	20.48	20.51	20.42		
20	QPSK	50	0	19.44	19.64	19.59	21	1
20	QPSK	50	24	19.55	19.55	19.49		
20	QPSK	50	50	19.45	19.50	19.41		
20	QPSK	100	0	19.40	19.52	19.47		
20	16QAM	1	0	19.60	19.70	19.54	21	1
20	16QAM	1	49	19.49	19.61	19.59		
20	16QAM	1	99	19.49	19.57	19.43		
20	16QAM	50	0	18.51	18.65	18.53	20	2
20	16QAM	50	24	18.45	18.61	18.51		
20	16QAM	50	50	18.55	18.64	18.55		
20	16QAM	100	0	18.40	18.54	18.47		
20	64QAM	1	0	18.53	18.66	18.55	20	2
20	64QAM	1	49	18.55	18.60	18.41		
20	64QAM	1	99	18.43	18.52	18.46		
20	64QAM	50	0	17.42	17.52	17.46	19	3
20	64QAM	50	24	17.42	17.53	17.43		
20	64QAM	50	50	17.54	17.57	17.47		
20	64QAM	100	0	17.49	17.51	17.37		
20	256QAM	1	0	15.57	15.70	15.65	17	5
20	256QAM	1	49	15.61	15.59	15.53		
20	256QAM	1	99	15.49	15.58	15.53		
20	256QAM	50	0	15.41	15.51	15.46	17	5
20	256QAM	50	24	15.46	15.49	15.36		
20	256QAM	50	50	15.49	15.52	15.45		
20	256QAM	100	0	15.39	15.56	15.53		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.39	20.56	20.38	22	0
15	QPSK	1	37	20.33	20.50	20.34		
15	QPSK	1	74	20.40	20.41	20.32		
15	QPSK	36	0	19.32	19.56	19.56	21	1
15	QPSK	36	20	19.48	19.43	19.46		
15	QPSK	36	39	19.31	19.45	19.34		
15	QPSK	75	0	19.26	19.38	19.39		
15	16QAM	1	0	19.52	19.59	19.44	21	1
15	16QAM	1	37	19.40	19.51	19.49		
15	16QAM	1	74	19.38	19.47	19.36		
15	16QAM	36	0	18.42	18.50	18.48	20	2
15	16QAM	36	20	18.30	18.56	18.46		
15	16QAM	36	39	18.46	18.57	18.50		
15	16QAM	75	0	18.27	18.45	18.40		
15	64QAM	1	0	18.38	18.62	18.43	20	2
15	64QAM	1	37	18.50	18.46	18.34		
15	64QAM	1	74	18.34	18.38	18.38		
15	64QAM	36	0	17.36	17.42	17.36	19	3
15	64QAM	36	20	17.28	17.40	17.37		
15	64QAM	36	39	17.43	17.50	17.34		
15	64QAM	75	0	17.44	17.41	17.33		
15	256QAM	1	0	15.51	15.65	15.58	17	5
15	256QAM	1	37	15.48	15.51	15.45		
15	256QAM	1	74	15.45	15.46	15.50		
15	256QAM	36	0	15.28	15.39	15.40	17	5
15	256QAM	36	20	15.32	15.36	15.23		
15	256QAM	36	39	15.35	15.37	15.40		
15	256QAM	75	0	15.34	15.43	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.40	20.55	20.43	22	0
10	QPSK	1	25	20.34	20.49	20.36		
10	QPSK	1	49	20.43	20.38	20.37		
10	QPSK	25	0	19.39	19.49	19.46	21	1
10	QPSK	25	12	19.43	19.51	19.35		
10	QPSK	25	25	19.33	19.44	19.34		
10	QPSK	50	0	19.34	19.44	19.43		
10	16QAM	1	0	19.51	19.64	19.49	21	1
10	16QAM	1	25	19.44	19.57	19.49		
10	16QAM	1	49	19.42	19.45	19.35		
10	16QAM	25	0	18.41	18.62	18.39	20	2
10	16QAM	25	12	18.40	18.50	18.43		
10	16QAM	25	25	18.49	18.52	18.44		
10	16QAM	50	0	18.35	18.44	18.39		
10	64QAM	1	0	18.44	18.56	18.41	20	2
10	64QAM	1	25	18.47	18.51	18.34		
10	64QAM	1	49	18.38	18.47	18.34		
10	64QAM	25	0	17.37	17.45	17.40	19	3
10	64QAM	25	12	17.32	17.50	17.34		
10	64QAM	25	25	17.39	17.46	17.38		
10	64QAM	50	0	17.39	17.44	17.28		
10	256QAM	1	0	15.53	15.61	15.59	17	5
10	256QAM	1	25	15.49	15.50	15.41		
10	256QAM	1	49	15.40	15.44	15.39		
10	256QAM	25	0	15.28	15.45	15.39	17	5
10	256QAM	25	12	15.35	15.38	15.22		
10	256QAM	25	25	15.36	15.38	15.39		
10	256QAM	50	0	15.30	15.51	15.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.43	20.52	20.38	22	0
5	QPSK	1	12	20.36	20.45	20.41		
5	QPSK	1	24	20.35	20.47	20.36		
5	QPSK	12	0	19.35	19.57	19.55	21	1
5	QPSK	12	7	19.45	19.50	19.35		
5	QPSK	12	13	19.39	19.46	19.34		
5	QPSK	25	0	19.26	19.45	19.39		
5	16QAM	1	0	19.52	19.58	19.40	21	1
5	16QAM	1	12	19.40	19.51	19.47		
5	16QAM	1	24	19.45	19.45	19.39		
5	16QAM	12	0	18.44	18.51	18.41	20	2
5	16QAM	12	7	18.37	18.55	18.43		
5	16QAM	12	13	18.44	18.57	18.41		
5	16QAM	25	0	18.30	18.47	18.34		
5	64QAM	1	0	18.43	18.60	18.46	20	2
5	64QAM	1	12	18.48	18.50	18.26		
5	64QAM	1	24	18.32	18.48	18.32		
5	64QAM	12	0	17.28	17.38	17.33	19	3
5	64QAM	12	7	17.39	17.50	17.28		
5	64QAM	12	13	17.41	17.52	17.39		
5	64QAM	25	0	17.44	17.46	17.28		
5	256QAM	1	0	15.48	15.63	15.52	17	5
5	256QAM	1	12	15.48	15.47	15.43		
5	256QAM	1	24	15.45	15.55	15.43		
5	256QAM	12	0	15.35	15.47	15.39	17	5
5	256QAM	12	7	15.37	15.37	15.26		
5	256QAM	12	13	15.46	15.48	15.41		
5	256QAM	25	0	15.27	15.43	15.47		

Band 66 Ant5 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.04	21.14	21.12	22.5	0
20	QPSK	1	49	21.00	21.05	21.03		
20	QPSK	1	99	21.03	21.00	20.88		
20	QPSK	50	0	20.00	20.14	20.05	21.5	1
20	QPSK	50	24	20.06	20.07	19.97		
20	QPSK	50	50	19.88	19.95	19.86		
20	QPSK	100	0	19.88	20.02	19.99		
20	16QAM	1	0	20.08	20.22	20.02	21.5	1
20	16QAM	1	49	19.99	20.06	20.04		
20	16QAM	1	99	19.97	20.11	19.93		
20	16QAM	50	0	19.06	19.16	19.06	20.5	2
20	16QAM	50	24	18.91	19.05	18.98		
20	16QAM	50	50	19.04	19.05	19.03		
20	16QAM	100	0	18.99	19.05	19.00		
20	64QAM	1	0	19.07	19.08	19.03	20.5	2
20	64QAM	1	49	19.01	19.07	18.93		
20	64QAM	1	99	19.00	18.99	18.96		
20	64QAM	50	0	17.95	18.03	18.03	19.5	3
20	64QAM	50	24	17.85	17.95	17.97		
20	64QAM	50	50	17.96	18.00	17.99		
20	64QAM	100	0	18.02	18.08	17.90		
20	256QAM	1	0	16.08	16.16	16.10	17.5	5
20	256QAM	1	49	16.08	16.13	16.10		
20	256QAM	1	99	16.07	16.06	16.02		
20	256QAM	50	0	15.95	16.04	15.93	17.5	5
20	256QAM	50	24	15.90	15.98	15.81		
20	256QAM	50	50	15.94	16.04	15.90		
20	256QAM	100	0	15.95	16.01	15.95		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.98	21.08	21.04	22.5	0
15	QPSK	1	37	20.86	20.95	20.96		
15	QPSK	1	74	20.99	20.87	20.83		
15	QPSK	36	0	19.87	20.04	19.96	21.5	1
15	QPSK	36	20	19.96	19.98	19.83		
15	QPSK	36	39	19.79	19.90	19.81		
15	QPSK	75	0	19.77	19.95	19.93		
15	16QAM	1	0	19.95	20.16	19.93	21.5	1
15	16QAM	1	37	19.94	20.01	20.01		
15	16QAM	1	74	19.85	19.98	19.86		
15	16QAM	36	0	18.96	19.11	18.98	20.5	2
15	16QAM	36	20	18.83	19.00	18.94		
15	16QAM	36	39	18.97	18.94	18.88		
15	16QAM	75	0	18.90	18.92	18.86		
15	64QAM	1	0	18.98	19.00	18.93	20.5	2
15	64QAM	1	37	18.88	19.01	18.78		
15	64QAM	1	74	18.93	18.92	18.86		
15	64QAM	36	0	17.88	17.89	17.95	19.5	3
15	64QAM	36	20	17.75	17.84	17.82		
15	64QAM	36	39	17.90	17.92	17.86		
15	64QAM	75	0	17.93	17.93	17.82		
15	256QAM	1	0	15.93	16.06	16.03	17.5	5
15	256QAM	1	37	16.02	16.02	16.03		
15	256QAM	1	74	15.98	15.99	15.92		
15	256QAM	36	0	15.86	15.92	15.86	17.5	5
15	256QAM	36	20	15.85	15.88	15.77		
15	256QAM	36	39	15.87	15.93	15.85		
15	256QAM	75	0	15.91	15.96	15.85		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.99	21.09	21.06	22.5	0
10	QPSK	1	25	20.92	20.95	20.92		
10	QPSK	1	49	20.93	20.96	20.78		
10	QPSK	25	0	19.92	20.00	19.96	21.5	1
10	QPSK	25	12	19.93	19.98	19.91		
10	QPSK	25	25	19.74	19.86	19.72		
10	QPSK	50	0	19.82	19.97	19.94		
10	16QAM	1	0	19.98	20.16	19.98	21.5	1
10	16QAM	1	25	19.94	19.92	19.95		
10	16QAM	1	49	19.82	20.04	19.84		
10	16QAM	25	0	18.95	19.05	18.94	20.5	2
10	16QAM	25	12	18.79	18.99	18.92		
10	16QAM	25	25	18.91	18.96	18.96		
10	16QAM	50	0	18.86	18.95	18.93		
10	64QAM	1	0	19.04	18.99	18.92	20.5	2
10	64QAM	1	25	18.90	19.01	18.82		
10	64QAM	1	49	18.94	18.91	18.93		
10	64QAM	25	0	17.91	17.89	17.94	19.5	3
10	64QAM	25	12	17.79	17.82	17.88		
10	64QAM	25	25	17.87	17.91	17.89		
10	64QAM	50	0	17.93	17.99	17.79		
10	256QAM	1	0	15.94	16.06	16.06	17.5	5
10	256QAM	1	25	15.99	16.09	15.99		
10	256QAM	1	49	16.04	16.00	15.92		
10	256QAM	25	0	15.80	15.98	15.81	17.5	5
10	256QAM	25	12	15.81	15.90	15.75		
10	256QAM	25	25	15.87	15.90	15.84		
10	256QAM	50	0	15.81	15.95	15.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.98	21.05	20.99	22.5	0
5	QPSK	1	12	20.89	20.92	20.91		
5	QPSK	1	24	20.91	20.97	20.80		
5	QPSK	12	0	19.92	20.05	19.96	21.5	1
5	QPSK	12	7	19.94	19.98	19.89		
5	QPSK	12	13	19.73	19.90	19.77		
5	QPSK	25	0	19.82	19.92	19.95		
5	16QAM	1	0	20.03	20.10	19.96	21.5	1
5	16QAM	1	12	19.87	20.02	19.95		
5	16QAM	1	24	19.82	19.98	19.88		
5	16QAM	12	0	19.02	19.02	18.91	20.5	2
5	16QAM	12	7	18.79	18.99	18.85		
5	16QAM	12	13	19.01	18.99	18.97		
5	16QAM	25	0	18.88	18.99	18.88		
5	64QAM	1	0	18.95	18.97	18.90	20.5	2
5	64QAM	1	12	18.87	18.96	18.83		
5	64QAM	1	24	18.85	18.87	18.84		
5	64QAM	12	0	17.90	17.88	17.88	19.5	3
5	64QAM	12	7	17.73	17.82	17.86		
5	64QAM	12	13	17.90	17.86	17.89		
5	64QAM	25	0	17.96	18.04	17.85		
5	256QAM	1	0	16.03	16.09	15.99	17.5	5
5	256QAM	1	12	15.97	16.08	16.03		
5	256QAM	1	24	16.02	15.98	15.94		
5	256QAM	12	0	15.84	15.90	15.87	17.5	5
5	256QAM	12	7	15.75	15.86	15.70		
5	256QAM	12	13	15.86	16.00	15.85		
5	256QAM	25	0	15.85	15.93	15.91		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.96	21.02	21.03	22.5	0
3	QPSK	1	8	20.94	20.95	20.92		
3	QPSK	1	14	20.88	20.87	20.78		
3	QPSK	8	0	19.96	20.05	19.95	21.5	1
3	QPSK	8	4	19.93	19.99	19.90		
3	QPSK	8	7	19.82	19.85	19.72		
3	QPSK	15	0	19.75	19.93	19.94		
3	16QAM	1	0	20.04	20.09	19.95	21.5	1
3	16QAM	1	8	19.92	19.96	19.90		
3	16QAM	1	14	19.83	20.05	19.87		
3	16QAM	8	0	18.92	19.10	18.94	20.5	2
3	16QAM	8	4	18.77	18.91	18.86		
3	16QAM	8	7	19.00	18.94	18.89		
3	16QAM	15	0	18.92	18.93	18.88		
3	64QAM	1	0	18.96	18.93	18.93	20.5	2
3	64QAM	1	8	18.88	19.02	18.83		
3	64QAM	1	14	18.92	18.88	18.88		
3	64QAM	8	0	17.81	17.99	17.90	19.5	3
3	64QAM	8	4	17.79	17.87	17.93		
3	64QAM	8	7	17.92	17.96	17.95		
3	64QAM	15	0	17.93	18.03	17.77		
3	256QAM	1	0	15.97	16.08	16.00	17.5	5
3	256QAM	1	8	16.02	16.08	15.96		
3	256QAM	1	14	15.99	15.95	15.89		
3	256QAM	8	0	15.81	15.90	15.81	17.5	5
3	256QAM	8	4	15.83	15.90	15.77		
3	256QAM	8	7	15.91	15.95	15.76		
3	256QAM	15	0	15.87	15.90	15.89		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.97	21.05	21.07	22.5	0
1.4	QPSK	1	3	20.90	21.00	20.89		
1.4	QPSK	1	5	20.93	20.88	20.80		
1.4	QPSK	3	0	20.94	21.01	21.00		
1.4	QPSK	3	1	20.93	21.00	20.95		
1.4	QPSK	3	3	20.92	20.87	20.73		
1.4	QPSK	6	0	19.92	20.02	20.01	21.5	1
1.4	16QAM	1	0	19.99	19.96	19.89	21.5	1
1.4	16QAM	1	3	19.84	19.89	19.71		
1.4	16QAM	1	5	19.79	19.90	19.86		
1.4	16QAM	3	0	19.96	20.16	19.96		
1.4	16QAM	3	1	19.86	19.99	19.98		
1.4	16QAM	3	3	19.91	20.01	19.86		
1.4	16QAM	6	0	18.93	19.03	19.01	20.5	2
1.4	64QAM	1	0	18.81	18.94	18.88	20.5	2
1.4	64QAM	1	3	18.94	18.97	18.92		
1.4	64QAM	1	5	18.85	19.00	18.89		
1.4	64QAM	3	0	18.97	19.04	18.91		
1.4	64QAM	3	1	18.87	19.04	18.84		
1.4	64QAM	3	3	18.88	18.89	18.86		
1.4	64QAM	6	0	17.91	17.95	17.92	19.5	3
1.4	256QAM	1	0	16.03	16.08	15.97	17.5	5
1.4	256QAM	1	3	15.97	16.10	15.96		
1.4	256QAM	1	5	15.98	15.92	15.96		
1.4	256QAM	3	0	15.82	15.96	15.80		
1.4	256QAM	3	1	15.79	15.90	15.74		
1.4	256QAM	3	3	15.88	15.93	15.80		
1.4	256QAM	6	0	15.86	15.92	15.80	17.5	5

Band 38 Ant5 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.26	20.31	20.23	22	0
20	QPSK	1	49	20.17	20.23	20.19		
20	QPSK	1	99	20.13	20.18	20.09		
20	QPSK	50	0	19.22	19.27	19.22	21	1
20	QPSK	50	24	19.12	19.21	19.21		
20	QPSK	50	50	19.16	19.16	19.06		
20	QPSK	100	0	19.16	19.23	19.20		
20	16QAM	1	0	19.24	19.27	19.25	21	1
20	16QAM	1	49	19.18	19.21	19.16		
20	16QAM	1	99	19.13	19.17	19.15		
20	16QAM	50	0	18.25	18.24	18.19	20	2
20	16QAM	50	24	18.07	18.16	18.12		
20	16QAM	50	50	18.17	18.20	18.21		
20	16QAM	100	0	18.20	18.20	18.15		
20	64QAM	1	0	18.26	18.25	18.21	20	2
20	64QAM	1	49	18.11	18.19	18.13		
20	64QAM	1	99	18.15	18.15	18.14		
20	64QAM	50	0	17.13	17.19	17.17	19	3
20	64QAM	50	24	17.08	17.10	17.08		
20	64QAM	50	50	17.13	17.15	17.09		
20	64QAM	100	0	17.32	17.31	17.27		
20	256QAM	1	0	15.17	15.26	15.21	17	5
20	256QAM	1	49	15.18	15.23	15.24		
20	256QAM	1	99	15.09	15.18	15.11		
20	256QAM	50	0	15.18	15.21	15.18	17	5
20	256QAM	50	24	15.04	15.11	15.11		
20	256QAM	50	50	15.17	15.17	15.11		
20	256QAM	100	0	15.13	15.22	15.16		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.25	20.25	20.16	22	0
15	QPSK	1	37	20.18	20.22	20.20		
15	QPSK	1	74	20.13	20.11	20.10		
15	QPSK	36	0	19.15	19.25	19.13	21	1
15	QPSK	36	20	19.04	19.17	19.20		
15	QPSK	36	39	19.13	19.08	19.05		
15	QPSK	75	0	19.11	19.22	19.15		
15	16QAM	1	0	19.25	19.27	19.25	21	1
15	16QAM	1	37	19.20	19.18	19.08		
15	16QAM	1	74	19.05	19.12	19.06		
15	16QAM	36	0	18.24	18.17	18.11	20	2
15	16QAM	36	20	18.03	18.17	18.14		
15	16QAM	36	39	18.10	18.14	18.20		
15	16QAM	75	0	18.14	18.11	18.10		
15	64QAM	1	0	18.17	18.23	18.15	20	2
15	64QAM	1	37	18.06	18.19	18.05		
15	64QAM	1	74	18.07	18.15	18.15		
15	64QAM	36	0	17.06	17.18	17.13	19	3
15	64QAM	36	20	17.04	17.05	17.09		
15	64QAM	36	39	17.05	17.06	17.02		
15	64QAM	75	0	17.32	17.28	17.28		
15	256QAM	1	0	15.17	15.17	15.20	17	5
15	256QAM	1	37	15.09	15.21	15.23		
15	256QAM	1	74	15.03	15.18	15.10		
15	256QAM	36	0	15.09	15.16	15.10	17	5
15	256QAM	36	20	15.05	15.03	15.07		
15	256QAM	36	39	15.12	15.14	15.07		
15	256QAM	75	0	15.13	15.19	15.10		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.23	20.28	20.21	22	0
10	QPSK	1	25	20.11	20.20	20.19		
10	QPSK	1	49	20.06	20.12	20.09		
10	QPSK	25	0	19.21	19.25	19.21	21	1
10	QPSK	25	12	19.14	19.18	19.16		
10	QPSK	25	25	19.08	19.12	19.00		
10	QPSK	50	0	19.08	19.21	19.14		
10	16QAM	1	0	19.15	19.21	19.23	21	1
10	16QAM	1	25	19.17	19.22	19.08		
10	16QAM	1	49	19.11	19.10	19.12		
10	16QAM	25	0	18.22	18.15	18.18	20	2
10	16QAM	25	12	18.05	18.16	18.10		
10	16QAM	25	25	18.11	18.10	18.18		
10	16QAM	50	0	18.13	18.17	18.16		
10	64QAM	1	0	18.18	18.23	18.23	20	2
10	64QAM	1	25	18.09	18.13	18.08		
10	64QAM	1	49	18.11	18.13	18.15		
10	64QAM	25	0	17.05	17.19	17.13	19	3
10	64QAM	25	12	17.09	17.02	17.00		
10	64QAM	25	25	17.04	17.15	17.08		
10	64QAM	50	0	17.27	17.24	17.25		
10	256QAM	1	0	15.11	15.22	15.21	17	5
10	256QAM	1	25	15.10	15.14	15.23		
10	256QAM	1	49	15.04	15.14	15.11		
10	256QAM	25	0	15.08	15.22	15.09	17	5
10	256QAM	25	12	15.03	15.12	15.10		
10	256QAM	25	25	15.18	15.12	15.07		
10	256QAM	50	0	15.12	15.23	15.14		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.24	20.29	20.20	22	0
5	QPSK	1	12	20.10	20.14	20.13		
5	QPSK	1	24	20.08	20.12	20.00		
5	QPSK	12	0	19.14	19.22	19.16	21	1
5	QPSK	12	7	19.03	19.21	19.15		
5	QPSK	12	13	19.15	19.17	19.05		
5	QPSK	25	0	19.11	19.14	19.20		
5	16QAM	1	0	19.21	19.20	19.18	21	1
5	16QAM	1	12	19.12	19.13	19.09		
5	16QAM	1	24	19.05	19.09	19.15		
5	16QAM	12	0	18.24	18.26	18.19	20	2
5	16QAM	12	7	18.04	18.07	18.09		
5	16QAM	12	13	18.16	18.21	18.16		
5	16QAM	25	0	18.17	18.22	18.16		
5	64QAM	1	0	18.23	18.26	18.22	20	2
5	64QAM	1	12	18.04	18.15	18.13		
5	64QAM	1	24	18.17	18.09	18.10		
5	64QAM	12	0	17.06	17.15	17.12	19	3
5	64QAM	12	7	17.05	17.08	17.07		
5	64QAM	12	13	17.11	17.13	17.02		
5	64QAM	25	0	17.31	17.26	17.23		
5	256QAM	1	0	15.12	15.27	15.13	17	5
5	256QAM	1	12	15.15	15.18	15.22		
5	256QAM	1	24	15.10	15.10	15.01		
5	256QAM	12	0	15.11	15.11	15.17	17	5
5	256QAM	12	7	15.05	15.06	15.09		
5	256QAM	12	13	15.13	15.17	15.05		
5	256QAM	25	0	15.13	15.20	15.13		

Band 41 Ant5 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.34	20.23	20.40	20.24	20.30	22	0
20	QPSK	1	49	20.24	20.27	20.36	20.30	20.29		
20	QPSK	1	99	20.12	20.20	20.24	20.21	20.13		
20	QPSK	50	0	19.25	19.28	19.36	19.28	19.28	21	1
20	QPSK	50	24	19.27	19.27	19.35	19.30	19.31		
20	QPSK	50	50	19.16	19.23	19.22	19.16	19.12		
20	QPSK	100	0	19.19	19.25	19.32	19.27	19.26		
20	16QAM	1	0	19.29	19.34	19.38	19.30	19.24	21	1
20	16QAM	1	49	19.30	19.24	19.33	19.25	19.25		
20	16QAM	1	99	19.21	19.27	19.33	19.25	19.23		
20	16QAM	50	0	18.32	18.33	18.36	18.32	18.24	20	2
20	16QAM	50	24	18.11	18.13	18.26	18.27	18.14		
20	16QAM	50	50	18.23	18.29	18.33	18.30	18.23		
20	16QAM	100	0	18.17	18.25	18.29	18.29	18.22		
20	64QAM	1	0	18.34	18.38	18.37	18.30	18.34	20	2
20	64QAM	1	49	18.25	18.22	18.31	18.24	18.17		
20	64QAM	1	99	18.14	18.24	18.22	18.26	18.17		
20	64QAM	50	0	17.27	17.23	17.33	17.25	17.28	19	3
20	64QAM	50	24	17.14	17.18	17.20	17.19	17.08		
20	64QAM	50	50	17.17	17.27	17.30	17.25	17.23		
20	64QAM	100	0	17.28	17.40	17.41	17.42	17.36		
20	256QAM	1	0	15.26	15.26	15.38	15.34	15.31	17	5
20	256QAM	1	49	15.32	15.26	15.36	15.36	15.25		
20	256QAM	1	99	15.12	15.20	15.25	15.22	15.13		
20	256QAM	50	0	15.20	15.27	15.29	15.24	15.24	17	5
20	256QAM	50	24	15.18	15.10	15.25	15.22	15.14		
20	256QAM	50	50	15.13	15.25	15.23	15.26	15.20		
20	256QAM	100	0	15.17	15.26	15.30	15.32	15.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.24	20.14	20.26	20.11	20.15	22	0
15	QPSK	1	37	20.18	20.16	20.25	20.26	20.23		
15	QPSK	1	74	20.03	20.13	20.16	20.15	20.07		
15	QPSK	36	0	19.11	19.16	19.22	19.19	19.20	21	1
15	QPSK	36	20	19.18	19.21	19.30	19.24	19.25		
15	QPSK	36	39	19.03	19.19	19.14	19.01	19.03		
15	QPSK	75	0	19.13	19.14	19.17	19.17	19.15		
15	16QAM	1	0	19.20	19.25	19.34	19.23	19.18	21	1
15	16QAM	1	37	19.25	19.13	19.22	19.19	19.16		
15	16QAM	1	74	19.06	19.19	19.30	19.16	19.19		
15	16QAM	36	0	18.22	18.19	18.27	18.29	18.15	20	2
15	16QAM	36	20	18.04	18.06	18.21	18.14	18.02		
15	16QAM	36	39	18.18	18.20	18.29	18.18	18.11		
15	16QAM	75	0	18.11	18.16	18.16	18.19	18.11		
15	64QAM	1	0	18.27	18.25	18.26	18.17	18.25	20	2
15	64QAM	1	37	18.12	18.10	18.22	18.16	18.03		
15	64QAM	1	74	18.04	18.12	18.08	18.22	18.05		
15	64QAM	36	0	17.17	17.11	17.21	17.16	17.18	19	3
15	64QAM	36	20	17.10	17.14	17.09	17.16	17.04		
15	64QAM	36	39	17.09	17.19	17.16	17.17	17.11		
15	64QAM	75	0	17.19	17.35	17.38	17.30	17.23		
15	256QAM	1	0	15.17	15.22	15.26	15.28	15.28	17	5
15	256QAM	1	37	15.18	15.22	15.29	15.25	15.11		
15	256QAM	1	74	15.04	15.13	15.11	15.17	15.07		
15	256QAM	36	0	15.10	15.16	15.21	15.12	15.19	17	5
15	256QAM	36	20	15.03	15.08	15.13	15.18	15.10		
15	256QAM	36	39	15.00	15.14	15.14	15.17	15.08		
15	256QAM	75	0	15.11	15.20	15.24	15.21	15.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.20	20.15	20.26	20.12	20.23	22	0
10	QPSK	1	25	20.15	20.14	20.24	20.17	20.16		
10	QPSK	1	49	20.00	20.08	20.09	20.09	20.05		
10	QPSK	25	0	19.19	19.19	19.29	19.23	19.20	21	1
10	QPSK	25	12	19.16	19.17	19.23	19.15	19.19		
10	QPSK	25	25	19.07	19.15	19.15	19.08	19.01		
10	QPSK	50	0	19.15	19.14	19.18	19.20	19.13		
10	16QAM	1	0	19.20	19.28	19.30	19.24	19.10	21	1
10	16QAM	1	25	19.24	19.20	19.30	19.12	19.13		
10	16QAM	1	49	19.07	19.20	19.21	19.10	19.12		
10	16QAM	25	0	18.17	18.21	18.26	18.23	18.13	20	2
10	16QAM	25	12	18.08	18.00	18.18	18.18	18.07		
10	16QAM	25	25	18.17	18.21	18.28	18.16	18.17		
10	16QAM	50	0	18.08	18.16	18.16	18.25	18.15		
10	64QAM	1	0	18.22	18.34	18.25	18.18	18.22	20	2
10	64QAM	1	25	18.19	18.10	18.27	18.12	18.06		
10	64QAM	1	49	18.05	18.12	18.16	18.14	18.13		
10	64QAM	25	0	17.17	17.16	17.19	17.19	17.19	19	3
10	64QAM	25	12	17.00	17.10	17.16	17.12	17.05		
10	64QAM	25	25	17.07	17.21	17.18	17.14	17.11		
10	64QAM	50	0	17.19	17.34	17.32	17.28	17.24		
10	256QAM	1	0	15.16	15.17	15.30	15.30	15.27	17	5
10	256QAM	1	25	15.23	15.18	15.30	15.28	15.18		
10	256QAM	1	49	15.08	15.06	15.19	15.19	15.02		
10	256QAM	25	0	15.12	15.13	15.17	15.09	15.19	17	5
10	256QAM	25	12	15.08	15.04	15.12	15.10	15.04		
10	256QAM	25	25	15.02	15.19	15.19	15.18	15.16		
10	256QAM	50	0	15.08	15.23	15.26	15.18	15.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.24	20.17	20.28	20.13	20.16	22	0
5	QPSK	1	12	20.11	20.20	20.21	20.16	20.15		
5	QPSK	1	24	20.03	20.16	20.19	20.14	20.05		
5	QPSK	12	0	19.20	19.17	19.26	19.23	19.16	21	1
5	QPSK	12	7	19.21	19.23	19.32	19.21	19.19		
5	QPSK	12	13	19.09	19.14	19.15	19.08	19.03		
5	QPSK	25	0	19.09	19.22	19.28	19.19	19.19		
5	16QAM	1	0	19.17	19.21	19.29	19.25	19.20	21	1
5	16QAM	1	12	19.18	19.15	19.26	19.16	19.17		
5	16QAM	1	24	19.06	19.20	19.26	19.13	19.17		
5	16QAM	12	0	18.27	18.20	18.26	18.24	18.14	20	2
5	16QAM	12	7	18.04	18.06	18.20	18.19	18.07		
5	16QAM	12	13	18.13	18.22	18.28	18.24	18.09		
5	16QAM	25	0	18.05	18.12	18.19	18.20	18.10		
5	64QAM	1	0	18.25	18.29	18.33	18.27	18.21	20	2
5	64QAM	1	12	18.20	18.10	18.27	18.20	18.09		
5	64QAM	1	24	18.00	18.16	18.19	18.13	18.13		
5	64QAM	12	0	17.16	17.11	17.26	17.20	17.17	19	3
5	64QAM	12	7	17.09	17.06	17.07	17.09	17.06		
5	64QAM	12	13	17.09	17.14	17.20	17.11	17.10		
5	64QAM	25	0	17.23	17.36	17.29	17.36	17.25		
5	256QAM	1	0	15.21	15.21	15.32	15.28	15.24	17	5
5	256QAM	1	12	15.17	15.17	15.32	15.23	15.22		
5	256QAM	1	24	15.05	15.05	15.17	15.09	15.00		
5	256QAM	12	0	15.11	15.24	15.19	15.17	15.17	17	5
5	256QAM	12	7	15.14	15.05	15.18	15.09	15.10		
5	256QAM	12	13	15.09	15.14	15.18	15.11	15.14		
5	256QAM	25	0	15.04	15.20	15.21	15.27	15.14		

Band 42 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	25.12	25.23	25.06	25.7	0
20	QPSK	1	49	25.10	25.15	25.02		
20	QPSK	1	99	25.01	25.06	25.00		
20	QPSK	50	0	24.12	24.18	24.09	24.7	1
20	QPSK	50	24	24.08	24.14	24.08		
20	QPSK	50	50	24.02	24.09	24.03		
20	QPSK	100	0	24.10	24.12	24.07		
20	16QAM	1	0	24.17	24.14	24.09	24.7	1
20	16QAM	1	49	24.02	24.11	24.05		
20	16QAM	1	99	24.06	24.10	24.05		
20	16QAM	50	0	23.16	23.16	23.08	23.7	2
20	16QAM	50	24	22.94	23.10	23.11		
20	16QAM	50	50	23.04	23.13	23.12		
20	16QAM	100	0	23.02	23.09	23.11		
20	64QAM	1	0	23.15	23.15	23.09	23.7	2
20	64QAM	1	49	23.05	23.09	23.00		
20	64QAM	1	99	23.01	23.01	23.12		
20	64QAM	50	0	21.99	22.16	22.04	22.7	3
20	64QAM	50	24	22.01	22.01	22.06		
20	64QAM	50	50	22.02	22.12	22.10		
20	64QAM	100	0	22.17	22.26	22.21		
20	256QAM	1	0	20.03	20.14	20.12	20.7	5
20	256QAM	1	49	20.03	20.19	20.14		
20	256QAM	1	99	19.98	20.08	19.98		
20	256QAM	50	0	20.04	20.11	20.09	20.7	5
20	256QAM	50	24	19.86	20.10	20.09		
20	256QAM	50	50	20.02	20.04	20.06		
20	256QAM	100	0	20.10	20.12	20.03		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	25.06	25.13	24.99	25.7	0
15	QPSK	1	37	24.99	25.05	24.97		
15	QPSK	1	74	24.96	24.93	24.85		
15	QPSK	36	0	23.98	24.09	24.05	24.7	1
15	QPSK	36	20	23.94	24.03	24.00		
15	QPSK	36	39	23.90	24.04	23.93		
15	QPSK	75	0	23.97	23.97	23.97		
15	16QAM	1	0	24.05	24.00	23.97	24.7	1
15	16QAM	1	37	23.91	23.97	24.00		
15	16QAM	1	74	23.99	23.97	23.97		
15	16QAM	36	0	23.03	23.04	23.03	23.7	2
15	16QAM	36	20	22.90	23.05	23.04		
15	16QAM	36	39	22.93	23.05	23.04		
15	16QAM	75	0	22.94	23.01	22.97		
15	64QAM	1	0	23.07	23.06	23.05	23.7	2
15	64QAM	1	37	22.97	22.96	22.94		
15	64QAM	1	74	22.94	22.90	23.05		
15	64QAM	36	0	21.95	22.04	21.94	22.7	3
15	64QAM	36	20	21.86	21.94	21.96		
15	64QAM	36	39	21.92	22.08	22.00		
15	64QAM	75	0	22.05	22.20	22.08		
15	256QAM	1	0	19.97	20.07	20.07	20.7	5
15	256QAM	1	37	19.99	20.06	20.00		
15	256QAM	1	74	19.84	20.04	19.86		
15	256QAM	36	0	19.89	19.98	19.99	20.7	5
15	256QAM	36	20	19.82	20.06	19.96		
15	256QAM	36	39	19.92	19.93	19.97		
15	256QAM	75	0	20.04	20.08	19.93		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	25.04	25.17	24.96	25.7	0
10	QPSK	1	25	25.05	25.03	24.92		
10	QPSK	1	49	24.91	25.00	24.86		
10	QPSK	25	0	24.06	24.06	23.96	24.7	1
10	QPSK	25	12	23.93	24.00	24.00		
10	QPSK	25	25	23.88	23.99	23.93		
10	QPSK	50	0	24.06	23.97	23.98		
10	16QAM	1	0	24.02	24.00	24.02	24.7	1
10	16QAM	1	25	23.95	24.03	23.98		
10	16QAM	1	49	23.96	23.97	23.99		
10	16QAM	25	0	23.13	23.07	22.95	23.7	2
10	16QAM	25	12	22.90	23.05	23.02		
10	16QAM	25	25	23.01	23.05	23.08		
10	16QAM	50	0	22.96	22.96	23.01		
10	64QAM	1	0	23.03	23.03	22.95	23.7	2
10	64QAM	1	25	22.94	23.02	22.88		
10	64QAM	1	49	22.88	22.97	23.03		
10	64QAM	25	0	21.95	22.09	21.97	22.7	3
10	64QAM	25	12	21.91	21.87	21.93		
10	64QAM	25	25	21.95	22.08	21.98		
10	64QAM	50	0	22.11	22.13	22.14		
10	256QAM	1	0	19.95	20.03	20.06	20.7	5
10	256QAM	1	25	19.91	20.07	20.10		
10	256QAM	1	49	19.92	19.96	19.90		
10	256QAM	25	0	19.97	20.05	20.03	20.7	5
10	256QAM	25	12	19.72	20.00	20.00		
10	256QAM	25	25	19.93	19.99	19.91		
10	256QAM	50	0	19.98	20.00	19.89		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.97	25.19	24.92	25.7	0
5	QPSK	1	12	25.00	25.02	24.91		
5	QPSK	1	24	24.90	24.92	24.91		
5	QPSK	12	0	24.00	24.05	24.04	24.7	1
5	QPSK	12	7	24.02	24.04	24.02		
5	QPSK	12	13	23.91	23.95	23.92		
5	QPSK	25	0	24.06	24.01	24.02		
5	16QAM	1	0	24.08	24.09	24.00	24.7	1
5	16QAM	1	12	23.93	23.98	23.96		
5	16QAM	1	24	23.98	24.00	23.92		
5	16QAM	12	0	23.02	23.04	23.02	23.7	2
5	16QAM	12	7	22.84	22.99	23.05		
5	16QAM	12	13	23.01	23.02	23.05		
5	16QAM	25	0	22.90	23.04	23.01		
5	64QAM	1	0	23.06	23.01	23.00	23.7	2
5	64QAM	1	12	22.99	23.06	22.92		
5	64QAM	1	24	22.87	22.88	23.03		
5	64QAM	12	0	21.85	22.09	21.91	22.7	3
5	64QAM	12	7	21.87	21.88	22.02		
5	64QAM	12	13	21.94	22.07	21.98		
5	64QAM	25	0	22.02	22.19	22.09		
5	256QAM	1	0	19.93	20.08	20.05	20.7	5
5	256QAM	1	12	19.93	20.07	20.06		
5	256QAM	1	24	19.87	20.03	19.91		
5	256QAM	12	0	19.89	19.99	19.99	20.7	5
5	256QAM	12	7	19.78	20.02	19.99		
5	256QAM	12	13	19.90	19.98	19.99		
5	256QAM	25	0	19.97	20.04	19.95		

Band 48 Ant6 Default Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	24.11	24.63	24.56	24.52	25.7	0
20	QPSK	1	49	24.05	24.45	24.43	24.40		
20	QPSK	1	99	23.92	24.32	24.34	24.30		
20	QPSK	50	0	23.05	23.53	23.44	23.41	24.7	1
20	QPSK	50	24	23.06	23.44	23.36	23.39		
20	QPSK	50	50	23.02	23.28	23.28	23.31		
20	QPSK	100	0	22.96	23.41	23.38	23.33		
20	16QAM	1	0	23.10	23.54	23.45	23.41	24.7	1
20	16QAM	1	49	22.93	23.40	23.36	23.32		
20	16QAM	1	99	23.06	23.45	23.31	23.44		
20	16QAM	50	0	22.08	22.49	22.39	22.44	23.7	2
20	16QAM	50	24	21.90	22.33	22.37	22.21		
20	16QAM	50	50	22.08	22.50	22.41	22.42		
20	16QAM	100	0	21.98	22.43	22.36	22.31		
20	64QAM	1	0	22.07	22.53	22.42	22.43	23.7	2
20	64QAM	1	49	22.00	22.41	22.33	22.38		
20	64QAM	1	99	22.03	22.32	22.40	22.37		
20	64QAM	50	0	20.97	21.45	21.35	21.29	22.7	3
20	64QAM	50	24	20.94	21.34	21.27	21.28		
20	64QAM	50	50	21.09	21.42	21.41	21.41		
20	64QAM	100	0	21.16	21.57	21.58	21.51		
20	256QAM	1	0	18.96	19.50	19.49	19.32	20.7	5
20	256QAM	1	49	19.03	19.47	19.48	19.33		
20	256QAM	1	99	19.02	19.39	19.27	19.35		
20	256QAM	50	0	18.96	19.44	19.32	19.36	20.7	5
20	256QAM	50	24	18.87	19.38	19.32	19.19		
20	256QAM	50	50	18.98	19.35	19.43	19.39		
20	256QAM	100	0	19.03	19.39	19.40	19.38		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	24.02	24.52	24.49	24.38	25.7	0
15	QPSK	1	37	24.01	24.32	24.37	24.34		
15	QPSK	1	74	23.85	24.18	24.21	24.17		
15	QPSK	36	0	22.95	23.45	23.31	23.37	24.7	1
15	QPSK	36	20	22.97	23.35	23.29	23.35		
15	QPSK	36	39	22.97	23.22	23.15	23.27		
15	QPSK	75	0	22.89	23.30	23.29	23.29		
15	16QAM	1	0	23.15	23.42	23.40	23.28	24.7	1
15	16QAM	1	37	22.92	23.31	23.22	23.17		
15	16QAM	1	74	23.02	23.32	23.17	23.37		
15	16QAM	36	0	22.04	22.41	22.29	22.33	23.7	2
15	16QAM	36	20	21.93	22.30	22.30	22.12		
15	16QAM	36	39	22.09	22.43	22.34	22.34		
15	16QAM	75	0	21.96	22.34	22.32	22.16		
15	64QAM	1	0	22.05	22.41	22.30	22.32	23.7	2
15	64QAM	1	37	22.04	22.31	22.25	22.34		
15	64QAM	1	74	22.05	22.26	22.28	22.22		
15	64QAM	36	0	20.94	21.40	21.28	21.17	22.7	3
15	64QAM	36	20	20.95	21.22	21.23	21.14		
15	64QAM	36	39	21.09	21.31	21.29	21.33		
15	64QAM	75	0	21.19	21.46	21.52	21.38		
15	256QAM	1	0	18.94	19.36	19.40	19.24	20.7	5
15	256QAM	1	37	19.04	19.39	19.42	19.29		
15	256QAM	1	74	19.07	19.29	19.16	19.27		
15	256QAM	36	0	18.94	19.33	19.25	19.23	20.7	5
15	256QAM	36	20	18.86	19.34	19.19	19.07		
15	256QAM	36	39	18.94	19.30	19.28	19.29		
15	256QAM	75	0	18.98	19.25	19.28	19.28		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	24.07	24.54	24.43	24.45	25.7	0
10	QPSK	1	25	23.97	24.39	24.29	24.36		
10	QPSK	1	49	23.90	24.27	24.22	24.21		
10	QPSK	25	0	22.96	23.41	23.38	23.35	24.7	1
10	QPSK	25	12	22.97	23.36	23.30	23.34		
10	QPSK	25	25	22.96	23.23	23.21	23.17		
10	QPSK	50	0	22.84	23.37	23.31	23.29		
10	16QAM	1	0	23.07	23.51	23.31	23.30	24.7	1
10	16QAM	1	25	22.91	23.36	23.24	23.17		
10	16QAM	1	49	23.01	23.38	23.20	23.40		
10	16QAM	25	0	21.97	22.37	22.32	22.41	23.7	2
10	16QAM	25	12	21.87	22.27	22.33	22.17		
10	16QAM	25	25	21.97	22.41	22.29	22.30		
10	16QAM	50	0	21.94	22.39	22.26	22.21		
10	64QAM	1	0	21.99	22.44	22.28	22.34	23.7	2
10	64QAM	1	25	21.92	22.38	22.19	22.27		
10	64QAM	1	49	21.98	22.22	22.34	22.32		
10	64QAM	25	0	20.88	21.38	21.27	21.23	22.7	3
10	64QAM	25	12	20.84	21.23	21.18	21.15		
10	64QAM	25	25	21.05	21.32	21.31	21.37		
10	64QAM	50	0	21.03	21.47	21.52	21.43		
10	256QAM	1	0	18.86	19.35	19.34	19.18	20.7	5
10	256QAM	1	25	18.93	19.42	19.41	19.19		
10	256QAM	1	49	18.95	19.24	19.19	19.22		
10	256QAM	25	0	18.84	19.29	19.17	19.27	20.7	5
10	256QAM	25	12	18.92	19.30	19.26	19.06		
10	256QAM	25	25	18.91	19.21	19.37	19.24		
10	256QAM	50	0	18.99	19.32	19.36	19.28		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	24.13	24.56	24.43	24.39	25.7	0
5	QPSK	1	12	24.09	24.35	24.30	24.27		
5	QPSK	1	24	24.03	24.22	24.19	24.26		
5	QPSK	12	0	23.08	23.48	23.30	23.27	24.7	1
5	QPSK	12	7	23.05	23.39	23.23	23.28		
5	QPSK	12	13	23.02	23.22	23.14	23.23		
5	QPSK	25	0	23.03	23.36	23.31	23.24		
5	16QAM	1	0	23.12	23.50	23.35	23.27	24.7	1
5	16QAM	1	12	23.06	23.37	23.22	23.20		
5	16QAM	1	24	23.12	23.38	23.21	23.37		
5	16QAM	12	0	22.11	22.38	22.35	22.30	23.7	2
5	16QAM	12	7	22.03	22.23	22.23	22.09		
5	16QAM	12	13	22.09	22.37	22.37	22.31		
5	16QAM	25	0	22.07	22.38	22.30	22.24		
5	64QAM	1	0	22.16	22.44	22.33	22.37	23.7	2
5	64QAM	1	12	22.06	22.34	22.22	22.31		
5	64QAM	1	24	22.06	22.24	22.26	22.32		
5	64QAM	12	0	21.05	21.38	21.31	21.20	22.7	3
5	64QAM	12	7	21.05	21.26	21.20	21.22		
5	64QAM	12	13	21.09	21.31	21.33	21.29		
5	64QAM	25	0	21.18	21.44	21.47	21.43		
5	256QAM	1	0	19.06	19.43	19.36	19.22	20.7	5
5	256QAM	1	12	19.11	19.38	19.38	19.19		
5	256QAM	1	24	19.03	19.31	19.19	19.31		
5	256QAM	12	0	18.99	19.32	19.23	19.26	20.7	5
5	256QAM	12	7	18.98	19.33	19.23	19.12		
5	256QAM	12	13	19.06	19.28	19.38	19.25		
5	256QAM	25	0	19.06	19.28	19.34	19.33		

Band 42 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.94	23.06	22.92	24.5	0
20	QPSK	1	49	22.88	22.95	22.81		
20	QPSK	1	99	22.85	22.86	22.77		
20	QPSK	50	0	21.88	21.97	21.88	23.5	1
20	QPSK	50	24	21.87	21.95	21.90		
20	QPSK	50	50	21.82	21.88	21.88		
20	QPSK	100	0	21.90	21.94	21.87		
20	16QAM	1	0	21.93	21.99	21.91	23.5	1
20	16QAM	1	49	21.85	21.97	21.81		
20	16QAM	1	99	21.88	21.97	21.92		
20	16QAM	50	0	20.94	21.01	20.93	22.5	2
20	16QAM	50	24	20.80	20.89	20.93		
20	16QAM	50	50	20.79	20.95	20.94		
20	16QAM	100	0	20.86	20.94	20.95		
20	64QAM	1	0	20.97	21.00	20.88	22.5	2
20	64QAM	1	49	20.81	20.95	20.76		
20	64QAM	1	99	20.82	20.77	20.89		
20	64QAM	50	0	19.77	20.01	19.88	21.5	3
20	64QAM	50	24	19.82	19.86	19.93		
20	64QAM	50	50	19.86	19.97	19.92		
20	64QAM	100	0	20.03	20.04	19.98		
20	256QAM	1	0	17.85	17.89	17.90	19.5	5
20	256QAM	1	49	17.83	17.96	17.93		
20	256QAM	1	99	17.74	17.89	17.82		
20	256QAM	50	0	17.82	17.95	17.85	19.5	5
20	256QAM	50	24	17.68	17.97	17.87		
20	256QAM	50	50	17.84	17.84	17.90		
20	256QAM	100	0	17.86	17.92	17.81		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.89	22.92	22.79	24.5	0
15	QPSK	1	37	22.77	22.89	22.78		
15	QPSK	1	74	22.75	22.74	22.74		
15	QPSK	36	0	21.79	21.85	21.74	23.5	1
15	QPSK	36	20	21.76	21.87	21.75		
15	QPSK	36	39	21.69	21.75	21.78		
15	QPSK	75	0	21.80	21.85	21.77		
15	16QAM	1	0	21.79	21.88	21.84	23.5	1
15	16QAM	1	37	21.78	21.94	21.75		
15	16QAM	1	74	21.81	21.88	21.85		
15	16QAM	36	0	20.85	20.95	20.84	22.5	2
15	16QAM	36	20	20.77	20.75	20.85		
15	16QAM	36	39	20.69	20.80	20.84		
15	16QAM	75	0	20.77	20.83	20.91		
15	64QAM	1	0	20.85	20.91	20.78	22.5	2
15	64QAM	1	37	20.75	20.82	20.71		
15	64QAM	1	74	20.75	20.65	20.75		
15	64QAM	36	0	19.72	19.94	19.75	21.5	3
15	64QAM	36	20	19.78	19.77	19.88		
15	64QAM	36	39	19.75	19.89	19.86		
15	64QAM	75	0	19.91	19.90	19.93		
15	256QAM	1	0	17.71	17.86	17.82	19.5	5
15	256QAM	1	37	17.70	17.90	17.87		
15	256QAM	1	74	19.70	17.84	17.70		
15	256QAM	36	0	17.75	17.91	17.78	19.5	5
15	256QAM	36	20	17.53	17.90	17.80		
15	256QAM	36	39	17.74	17.79	17.78		
15	256QAM	75	0	17.83	17.84	17.68		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.83	22.94	22.86	24.5	0
10	QPSK	1	25	22.79	22.87	22.77		
10	QPSK	1	49	22.82	22.80	22.72		
10	QPSK	25	0	21.83	21.87	21.79	23.5	1
10	QPSK	25	12	21.81	21.88	21.79		
10	QPSK	25	25	21.73	21.81	21.81		
10	QPSK	50	0	21.86	21.82	21.78		
10	16QAM	1	0	21.85	21.87	21.80	23.5	1
10	16QAM	1	25	21.82	21.90	21.73		
10	16QAM	1	49	21.82	21.83	21.79		
10	16QAM	25	0	20.82	20.91	20.89	22.5	2
10	16QAM	25	12	20.69	20.74	20.83		
10	16QAM	25	25	20.68	20.81	20.84		
10	16QAM	50	0	20.77	20.82	20.89		
10	64QAM	1	0	20.82	20.94	20.84	22.5	2
10	64QAM	1	25	20.74	20.80	20.63		
10	64QAM	1	49	20.72	20.73	20.83		
10	64QAM	25	0	19.67	19.95	19.74	21.5	3
10	64QAM	25	12	19.76	19.75	19.83		
10	64QAM	25	25	19.76	19.85	19.87		
10	64QAM	50	0	19.93	19.97	19.86		
10	256QAM	1	0	17.76	17.81	17.78	19.5	5
10	256QAM	1	25	17.78	17.88	17.88		
10	256QAM	1	49	17.63	17.82	17.67		
10	256QAM	25	0	17.68	17.86	17.76	19.5	5
10	256QAM	25	12	17.62	17.93	17.73		
10	256QAM	25	25	17.69	17.70	17.81		
10	256QAM	50	0	17.77	17.83	17.69		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.87	23.01	22.80	24.5	0
5	QPSK	1	12	22.76	22.80	22.69		
5	QPSK	1	24	22.70	22.76	22.66		
5	QPSK	12	0	21.76	21.90	21.83	23.5	1
5	QPSK	12	7	21.81	21.89	21.79		
5	QPSK	12	13	21.69	21.84	21.85		
5	QPSK	25	0	21.80	21.91	21.73		
5	16QAM	1	0	21.89	21.87	21.77	23.5	1
5	16QAM	1	12	21.71	21.92	21.70		
5	16QAM	1	24	21.84	21.92	21.89		
5	16QAM	12	0	20.85	20.95	20.83	22.5	2
5	16QAM	12	7	20.65	20.80	20.85		
5	16QAM	12	13	20.69	20.90	20.81		
5	16QAM	25	0	20.82	20.84	20.82		
5	64QAM	1	0	20.91	20.87	20.77	22.5	2
5	64QAM	1	12	20.73	20.82	20.66		
5	64QAM	1	24	20.79	20.71	20.82		
5	64QAM	12	0	19.68	19.91	19.82	21.5	3
5	64QAM	12	7	19.73	19.74	19.90		
5	64QAM	12	13	19.77	19.94	19.81		
5	64QAM	25	0	19.98	19.92	19.84		
5	256QAM	1	0	17.78	17.86	17.82	19.5	5
5	256QAM	1	12	17.75	17.83	17.87		
5	256QAM	1	24	17.69	17.80	17.67		
5	256QAM	12	0	17.75	17.83	17.78	19.5	5
5	256QAM	12	7	17.64	17.87	17.73		
5	256QAM	12	13	17.69	17.72	17.76		
5	256QAM	25	0	17.77	17.87	17.69		

Band 48 Ant7 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.79	22.94	22.88	22.92	24.5	0
20	QPSK	1	49	22.56	22.80	22.62	22.91		
20	QPSK	1	99	22.66	22.89	22.64	22.74		
20	QPSK	50	0	21.58	21.87	21.58	21.81	23.5	1
20	QPSK	50	24	21.71	21.71	21.63	21.72		
20	QPSK	50	50	21.50	21.66	21.55	21.66		
20	QPSK	100	0	21.63	21.85	21.56	21.82		
20	16QAM	1	0	21.58	21.89	21.68	21.83	23.5	1
20	16QAM	1	49	21.69	21.95	21.62	21.80		
20	16QAM	1	99	21.64	21.77	21.59	22.01		
20	16QAM	50	0	20.67	21.02	20.70	20.99	22.5	2
20	16QAM	50	24	20.64	20.90	20.64	20.89		
20	16QAM	50	50	20.63	20.98	20.59	20.99		
20	16QAM	100	0	20.73	20.96	20.61	20.74		
20	64QAM	1	0	20.73	20.82	20.71	20.79	22.5	2
20	64QAM	1	49	20.61	20.97	20.70	20.83		
20	64QAM	1	99	20.57	20.56	20.50	20.76		
20	64QAM	50	0	19.70	19.95	19.72	20.02	21.5	3
20	64QAM	50	24	19.64	19.64	19.51	19.67		
20	64QAM	50	50	19.64	19.88	19.68	19.85		
20	64QAM	100	0	19.66	20.01	19.80	19.97		
20	256QAM	1	0	17.50	17.74	17.54	17.78	19.5	5
20	256QAM	1	49	17.57	17.78	17.78	17.72		
20	256QAM	1	99	17.53	17.72	17.50	17.77		
20	256QAM	50	0	17.76	17.88	17.66	17.87	19.5	5
20	256QAM	50	24	17.78	17.87	17.53	17.85		
20	256QAM	50	50	17.51	17.87	17.56	17.74		
20	256QAM	100	0	17.50	17.83	17.70	17.87		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.88	22.90	22.85	22.90	24.5	0
15	QPSK	1	37	22.59	22.58	22.83	22.87		
15	QPSK	1	74	22.84	22.75	22.79	22.56		
15	QPSK	36	0	21.60	21.84	21.64	21.73	23.5	1
15	QPSK	36	20	21.92	21.61	21.68	21.54		
15	QPSK	36	39	21.59	21.60	21.71	21.58		
15	QPSK	75	0	21.60	21.62	21.52	21.67		
15	16QAM	1	0	21.65	21.68	21.89	21.62	23.5	1
15	16QAM	1	37	21.76	21.99	21.61	21.81		
15	16QAM	1	74	21.64	21.76	21.79	21.85		
15	16QAM	36	0	20.90	20.92	20.65	20.88	22.5	2
15	16QAM	36	20	20.82	20.75	20.89	20.72		
15	16QAM	36	39	20.68	20.83	20.79	20.82		
15	16QAM	75	0	20.78	20.93	20.83	20.70		
15	64QAM	1	0	20.97	20.74	20.71	20.59	22.5	2
15	64QAM	1	37	20.56	21.01	20.83	20.72		
15	64QAM	1	74	20.82	20.60	20.69	20.80		
15	64QAM	36	0	19.80	19.87	19.83	19.87	21.5	3
15	64QAM	36	20	19.65	19.52	19.70	19.60		
15	64QAM	36	39	19.89	19.91	19.84	19.71		
15	64QAM	75	0	19.71	19.99	19.97	19.95		
15	256QAM	1	0	17.71	17.60	17.77	17.65	19.5	5
15	256QAM	1	37	17.63	17.57	17.98	17.61		
15	256QAM	1	74	17.58	17.55	17.50	17.67		
15	256QAM	36	0	17.96	17.69	17.67	17.74	19.5	5
15	256QAM	36	20	17.88	17.65	17.67	17.75		
15	256QAM	36	39	17.59	17.67	17.57	17.65		
15	256QAM	75	0	17.66	17.78	17.95	17.67		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.80	22.93	22.88	22.91	24.5	0
10	QPSK	1	25	22.52	22.62	22.81	22.77		
10	QPSK	1	49	22.77	22.89	22.88	22.76		
10	QPSK	25	0	21.60	21.75	21.71	21.81	23.5	1
10	QPSK	25	12	21.74	21.73	21.59	21.61		
10	QPSK	25	25	21.52	21.60	21.55	21.59		
10	QPSK	50	0	21.62	21.90	21.59	21.85		
10	16QAM	1	0	21.81	21.85	21.68	21.81	23.5	1
10	16QAM	1	25	21.64	21.83	21.78	21.69		
10	16QAM	1	49	21.71	21.57	21.57	21.96		
10	16QAM	25	0	20.92	20.90	20.79	21.03	22.5	2
10	16QAM	25	12	20.82	20.86	20.82	20.92		
10	16QAM	25	25	20.61	20.89	20.63	20.92		
10	16QAM	50	0	20.92	20.83	20.79	20.57		
10	64QAM	1	0	20.78	20.74	20.95	20.82	22.5	2
10	64QAM	1	25	20.64	20.72	20.86	20.61		
10	64QAM	1	49	20.61	20.57	20.62	20.64		
10	64QAM	25	0	19.88	19.81	19.92	19.89	21.5	3
10	64QAM	25	12	19.68	19.50	19.54	19.68		
10	64QAM	25	25	19.62	19.79	19.67	19.74		
10	64QAM	50	0	19.89	19.95	19.94	19.86		
10	256QAM	1	0	17.50	17.77	17.52	17.70	19.5	5
10	256QAM	1	25	17.69	17.80	18.02	17.57		
10	256QAM	1	49	17.68	17.50	17.60	17.69		
10	256QAM	25	0	17.97	17.88	17.71	17.78	19.5	5
10	256QAM	25	12	17.90	17.73	17.61	17.69		
10	256QAM	25	25	17.71	17.70	17.69	17.59		
10	256QAM	50	0	17.64	17.60	17.87	17.67		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.81	22.87	22.78	22.79	24.5	0
5	QPSK	1	12	22.60	22.68	22.62	22.90		
5	QPSK	1	24	22.77	22.86	22.90	22.66		
5	QPSK	12	0	21.59	21.70	21.66	21.64	23.5	1
5	QPSK	12	7	21.70	21.86	21.73	21.58		
5	QPSK	12	13	21.63	21.80	21.51	21.53		
5	QPSK	25	0	21.65	21.61	21.65	21.86		
5	16QAM	1	0	21.67	21.74	21.80	21.86	23.5	1
5	16QAM	1	12	21.68	21.78	21.98	21.56		
5	16QAM	1	24	21.83	21.56	21.64	21.98		
5	16QAM	12	0	20.70	20.86	20.88	20.88	22.5	2
5	16QAM	12	7	20.78	20.62	20.70	20.79		
5	16QAM	12	13	20.59	20.65	20.93	21.00		
5	16QAM	25	0	20.94	20.85	20.86	20.65		
5	64QAM	1	0	20.70	20.91	20.63	20.79	22.5	2
5	64QAM	1	12	20.83	20.71	20.86	20.79		
5	64QAM	1	24	20.80	20.63	20.56	20.63		
5	64QAM	12	0	19.87	19.69	19.74	19.81	21.5	3
5	64QAM	12	7	19.76	19.71	19.56	19.68		
5	64QAM	12	13	19.62	19.81	19.86	19.89		
5	64QAM	25	0	19.72	20.02	19.87	19.83		
5	256QAM	1	0	17.56	17.52	17.73	17.72	19.5	5
5	256QAM	1	12	17.69	17.74	17.77	17.55		
5	256QAM	1	24	17.73	17.65	17.51	17.69		
5	256QAM	12	0	17.88	17.85	17.64	17.72	19.5	5
5	256QAM	12	7	17.79	17.60	17.72	17.76		
5	256QAM	12	13	17.70	17.60	17.83	17.61		
5	256QAM	25	0	17.55	17.92	17.77	17.74		

Band 42 Ant8 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.68	20.77	20.67	21.5	0
20	QPSK	1	49	20.59	20.67	20.50		
20	QPSK	1	99	20.59	20.59	20.51		
20	QPSK	50	0	19.58	19.70	19.56	20.5	1
20	QPSK	50	24	19.57	19.69	19.64		
20	QPSK	50	50	19.57	19.57	19.60		
20	QPSK	100	0	19.59	19.69	19.57		
20	16QAM	1	0	19.60	19.71	19.57	20.5	1
20	16QAM	1	49	19.61	19.69	19.56		
20	16QAM	1	99	19.59	19.70	19.58		
20	16QAM	50	0	18.68	18.76	18.61	19.5	2
20	16QAM	50	24	18.51	18.56	18.61		
20	16QAM	50	50	18.51	18.72	18.61		
20	16QAM	100	0	18.60	18.62	18.65		
20	64QAM	1	0	18.66	18.75	18.60	19.5	2
20	64QAM	1	49	18.49	18.71	18.43		
20	64QAM	1	99	18.49	18.51	18.60		
20	64QAM	50	0	17.47	17.67	17.62	18.5	3
20	64QAM	50	24	17.59	17.53	17.68		
20	64QAM	50	50	17.58	17.63	17.61		
20	64QAM	100	0	17.73	17.77	17.67		
20	256QAM	1	0	15.53	15.60	15.57	16.5	5
20	256QAM	1	49	15.56	15.71	15.58		
20	256QAM	1	99	15.39	15.65	15.53		
20	256QAM	50	0	15.57	15.64	15.57	16.5	5
20	256QAM	50	24	15.45	15.67	15.64		
20	256QAM	50	50	15.54	15.59	15.58		
20	256QAM	100	0	15.53	15.68	15.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	20.61	20.70	20.53	21.5	0
15	QPSK	1	37	20.50	20.55	20.46		
15	QPSK	1	74	20.51	20.51	20.43		
15	QPSK	36	0	19.44	19.57	19.52	20.5	1
15	QPSK	36	20	19.51	19.57	19.51		
15	QPSK	36	39	19.48	19.51	19.47		
15	QPSK	75	0	19.49	19.57	19.51		
15	16QAM	1	0	19.47	19.65	19.44	20.5	1
15	16QAM	1	37	19.50	19.59	19.50		
15	16QAM	1	74	19.53	19.58	19.47		
15	16QAM	36	0	18.54	18.66	18.48	19.5	2
15	16QAM	36	20	18.41	18.52	18.56		
15	16QAM	36	39	18.41	18.60	18.54		
15	16QAM	75	0	18.48	18.55	18.57		
15	64QAM	1	0	18.56	18.65	18.52	19.5	2
15	64QAM	1	37	18.45	18.58	18.28		
15	64QAM	1	74	18.45	18.41	18.51		
15	64QAM	36	0	17.39	17.56	17.47	18.5	3
15	64QAM	36	20	17.50	17.41	17.54		
15	64QAM	36	39	17.45	17.58	17.51		
15	64QAM	75	0	17.62	17.68	17.56		
15	256QAM	1	0	15.38	15.54	15.49	16.5	5
15	256QAM	1	37	15.47	15.67	15.49		
15	256QAM	1	74	15.27	15.61	15.39		
15	256QAM	36	0	15.50	15.54	15.46	16.5	5
15	256QAM	36	20	15.39	15.57	15.58		
15	256QAM	36	39	15.43	15.45	15.46		
15	256QAM	75	0	15.39	15.55	15.41		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	20.53	20.64	20.58	21.5	0
10	QPSK	1	25	20.53	20.53	20.47		
10	QPSK	1	49	20.53	20.45	20.41		
10	QPSK	25	0	19.49	19.55	19.46	20.5	1
10	QPSK	25	12	19.50	19.55	19.59		
10	QPSK	25	25	19.50	19.45	19.52		
10	QPSK	50	0	19.50	19.64	19.44		
10	16QAM	1	0	19.55	19.57	19.45	20.5	1
10	16QAM	1	25	19.50	19.58	19.46		
10	16QAM	1	49	19.45	19.66	19.45		
10	16QAM	25	0	18.63	18.70	18.52	19.5	2
10	16QAM	25	12	18.41	18.42	18.49		
10	16QAM	25	25	18.37	18.62	18.49		
10	16QAM	50	0	18.54	18.58	18.52		
10	64QAM	1	0	18.63	18.70	18.55	19.5	2
10	64QAM	1	25	18.37	18.60	18.38		
10	64QAM	1	49	18.37	18.48	18.49		
10	64QAM	25	0	17.34	17.53	17.57	18.5	3
10	64QAM	25	12	17.53	17.45	17.55		
10	64QAM	25	25	17.46	17.51	17.51		
10	64QAM	50	0	17.66	17.67	17.52		
10	256QAM	1	0	15.41	15.48	15.46	16.5	5
10	256QAM	1	25	15.45	15.67	15.45		
10	256QAM	1	49	15.34	15.55	15.40		
10	256QAM	25	0	15.46	15.53	15.45	16.5	5
10	256QAM	25	12	15.34	15.59	15.57		
10	256QAM	25	25	15.43	15.52	15.49		
10	256QAM	50	0	15.47	15.65	15.44		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.55	20.73	20.61	21.5	0
5	QPSK	1	12	20.48	20.60	20.44		
5	QPSK	1	24	20.46	20.51	20.40		
5	QPSK	12	0	19.54	19.56	19.48	20.5	1
5	QPSK	12	7	19.51	19.60	19.53		
5	QPSK	12	13	19.52	19.43	19.53		
5	QPSK	25	0	19.50	19.64	19.46		
5	16QAM	1	0	19.55	19.64	19.44	20.5	1
5	16QAM	1	12	19.48	19.65	19.46		
5	16QAM	1	24	19.46	19.61	19.54		
5	16QAM	12	0	18.63	18.65	18.53	19.5	2
5	16QAM	12	7	18.48	18.47	18.51		
5	16QAM	12	13	18.40	18.59	18.57		
5	16QAM	25	0	18.53	18.55	18.50		
5	64QAM	1	0	18.53	18.61	18.51	19.5	2
5	64QAM	1	12	18.42	18.66	18.37		
5	64QAM	1	24	18.36	18.47	18.56		
5	64QAM	12	0	17.33	17.55	17.48	18.5	3
5	64QAM	12	7	17.56	17.49	17.64		
5	64QAM	12	13	17.43	17.52	17.50		
5	64QAM	25	0	17.67	17.67	17.59		
5	256QAM	1	0	15.39	15.46	15.50	16.5	5
5	256QAM	1	12	15.49	15.66	15.47		
5	256QAM	1	24	15.28	15.59	15.45		
5	256QAM	12	0	15.42	15.57	15.52	16.5	5
5	256QAM	12	7	15.30	15.64	15.52		
5	256QAM	12	13	15.49	15.51	15.52		
5	256QAM	25	0	15.46	15.61	15.33		

Band 48 Ant8 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.25	20.52	20.22	20.47	21.5	0
20	QPSK	1	49	20.19	20.43	20.15	20.36		
20	QPSK	1	99	19.98	20.26	20.00	20.20		
20	QPSK	50	0	19.14	19.45	19.15	19.30	20.5	1
20	QPSK	50	24	19.11	19.43	19.20	19.33		
20	QPSK	50	50	18.94	19.24	18.90	19.26		
20	QPSK	100	0	19.09	19.36	19.08	19.25		
20	16QAM	1	0	19.16	19.43	19.12	19.32	20.5	1
20	16QAM	1	49	19.08	19.34	19.07	19.29		
20	16QAM	1	99	19.14	19.38	19.12	19.23		
20	16QAM	50	0	18.25	18.50	18.20	18.34	19.5	2
20	16QAM	50	24	17.96	18.27	17.94	18.30		
20	16QAM	50	50	18.16	18.49	18.23	18.31		
20	16QAM	100	0	18.12	18.35	18.02	18.37		
20	64QAM	1	0	18.21	18.50	18.22	18.30	19.5	2
20	64QAM	1	49	18.13	18.38	18.12	18.13		
20	64QAM	1	99	17.93	18.17	17.88	18.33		
20	64QAM	50	0	17.14	17.39	17.14	17.38	18.5	3
20	64QAM	50	24	16.92	17.24	16.91	17.36		
20	64QAM	50	50	17.09	17.40	17.13	17.36		
20	64QAM	100	0	17.24	17.50	17.16	17.38		
20	256QAM	1	0	15.07	15.36	15.10	15.22	16.5	5
20	256QAM	1	49	15.08	15.37	15.11	15.33		
20	256QAM	1	99	15.08	15.38	15.13	15.25		
20	256QAM	50	0	15.04	15.36	15.12	15.26	16.5	5
20	256QAM	50	24	15.12	15.39	15.07	15.32		
20	256QAM	50	50	15.09	15.25	15.02	15.24		
20	256QAM	100	0	15.11	15.38	15.05	15.20		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.18	20.41	20.10	20.33	21.5	0
15	QPSK	1	37	20.04	20.37	20.06	20.25		
15	QPSK	1	74	19.92	20.16	19.92	20.06		
15	QPSK	36	0	19.11	19.34	19.06	19.22	20.5	1
15	QPSK	36	20	19.01	19.35	19.12	19.24		
15	QPSK	36	39	18.85	19.10	18.77	19.20		
15	QPSK	75	0	19.04	19.31	18.95	19.20		
15	16QAM	1	0	19.06	19.34	18.97	19.28	20.5	1
15	16QAM	1	37	18.95	19.28	18.94	19.21		
15	16QAM	1	74	19.01	19.29	19.04	19.13		
15	16QAM	36	0	18.10	18.45	18.16	18.26	19.5	2
15	16QAM	36	20	17.81	18.13	17.84	18.20		
15	16QAM	36	39	18.10	18.45	18.11	18.24		
15	16QAM	75	0	18.03	18.30	17.95	18.23		
15	64QAM	1	0	18.15	18.39	18.15	18.26	19.5	2
15	64QAM	1	37	18.02	18.31	18.07	18.09		
15	64QAM	1	74	17.79	18.10	17.76	18.23		
15	64QAM	36	0	17.07	17.36	17.03	17.32	18.5	3
15	64QAM	36	20	16.79	17.18	16.77	17.28		
15	64QAM	36	39	17.04	17.30	17.08	17.26		
15	64QAM	75	0	17.11	17.40	17.04	17.34		
15	256QAM	1	0	15.05	15.26	15.15	15.14	16.5	5
15	256QAM	1	37	15.14	15.34	15.09	15.20		
15	256QAM	1	74	15.13	15.27	15.14	15.11		
15	256QAM	36	0	15.01	15.33	15.09	15.13	16.5	5
15	256QAM	36	20	15.08	15.25	15.06	15.18		
15	256QAM	36	39	15.15	15.21	15.08	15.20		
15	256QAM	75	0	15.06	15.35	15.06	15.08		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.19	20.42	20.18	20.43	21.5	0
10	QPSK	1	25	20.08	20.30	20.10	20.30		
10	QPSK	1	49	19.92	20.13	19.86	20.13		
10	QPSK	25	0	19.09	19.35	19.02	19.26	20.5	1
10	QPSK	25	12	18.97	19.37	19.09	19.27		
10	QPSK	25	25	18.90	19.21	18.83	19.15		
10	QPSK	50	0	19.00	19.32	19.04	19.12		
10	16QAM	1	0	19.05	19.32	18.98	19.18	20.5	1
10	16QAM	1	25	19.00	19.27	18.94	19.21		
10	16QAM	1	49	19.05	19.33	18.98	19.16		
10	16QAM	25	0	18.22	18.44	18.17	18.24	19.5	2
10	16QAM	25	12	17.84	18.22	17.87	18.24		
10	16QAM	25	25	18.09	18.39	18.08	18.27		
10	16QAM	50	0	18.02	18.21	17.93	18.32		
10	64QAM	1	0	18.10	18.44	18.13	18.26	19.5	2
10	64QAM	1	25	18.02	18.29	18.00	18.02		
10	64QAM	1	49	17.84	18.12	17.75	18.29		
10	64QAM	25	0	17.05	17.28	17.00	17.34	18.5	3
10	64QAM	25	12	16.85	17.20	16.84	17.25		
10	64QAM	25	25	17.06	17.31	17.07	17.28		
10	64QAM	50	0	17.15	17.40	17.03	17.33		
10	256QAM	1	0	15.08	15.22	15.09	15.12	16.5	5
10	256QAM	1	25	15.07	15.26	15.17	15.19		
10	256QAM	1	49	15.04	15.25	15.18	15.11		
10	256QAM	25	0	15.00	15.31	15.17	15.11	16.5	5
10	256QAM	25	12	15.12	15.34	15.09	15.23		
10	256QAM	25	25	15.05	15.17	15.05	15.17		
10	256QAM	50	0	15.18	15.33	15.08	15.10		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.13	20.42	20.06	20.34	21.5	0
5	QPSK	1	12	20.12	20.32	20.11	20.32		
5	QPSK	1	24	19.84	20.18	19.92	20.05		
5	QPSK	12	0	19.09	19.37	19.04	19.19	20.5	1
5	QPSK	12	7	19.01	19.41	19.09	19.23		
5	QPSK	12	13	18.82	19.16	18.78	19.17		
5	QPSK	25	0	19.06	19.26	19.04	19.11		
5	16QAM	1	0	19.02	19.29	19.04	19.18	20.5	1
5	16QAM	1	12	18.94	19.22	18.99	19.20		
5	16QAM	1	24	19.07	19.29	19.09	19.17		
5	16QAM	12	0	18.15	18.44	18.15	18.25	19.5	2
5	16QAM	12	7	17.89	18.15	17.83	18.21		
5	16QAM	12	13	18.02	18.41	18.14	18.23		
5	16QAM	25	0	18.08	18.26	17.90	18.32		
5	64QAM	1	0	18.15	18.47	18.16	18.26	19.5	2
5	64QAM	1	12	18.06	18.26	18.06	18.09		
5	64QAM	1	24	17.82	18.04	17.83	18.23		
5	64QAM	12	0	17.00	17.25	17.02	17.28	18.5	3
5	64QAM	12	7	16.81	17.16	16.77	17.29		
5	64QAM	12	13	16.99	17.31	17.09	17.28		
5	64QAM	25	0	17.11	17.40	17.05	17.25		
5	256QAM	1	0	15.06	15.27	15.05	15.12	16.5	5
5	256QAM	1	12	15.06	15.25	15.11	15.24		
5	256QAM	1	24	15.09	15.28	15.13	15.13		
5	256QAM	12	0	15.01	15.24	15.07	15.19	16.5	5
5	256QAM	12	7	15.08	15.29	15.07	15.29		
5	256QAM	12	13	15.10	15.13	15.02	15.12		
5	256QAM	25	0	15.11	15.30	15.07	15.10		

Reduced Power SA Mode for DSI1

GSM850 Ant0 DSI1

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.08	32.57	34.00	23.57	23.08	23.57	25.00
GPRS 1 Tx slot	32.54	32.11	32.45	34.00	23.54	23.11	23.45	25.00
GPRS 2 Tx slots	29.20	29.14	29.18	31.00	23.20	23.14	23.18	25.00
GPRS 3 Tx slots	27.86	27.48	27.46	29.20	23.60	23.22	23.20	24.94
GPRS 4 Tx slots	26.17	26.21	26.18	28.00	23.17	23.21	23.18	25.00
EDGE 1 Tx slot	26.13	26.16	26.11	27.50	17.13	17.16	17.11	18.50
EDGE 2 Tx slots	23.29	23.34	23.46	24.50	17.29	17.34	17.46	18.50
EDGE 3 Tx slots	21.63	21.44	21.61	22.70	17.37	17.18	17.35	18.44
EDGE 4 Tx slots	20.21	20.06	20.44	21.50	17.21	17.06	17.44	18.50

WCDMA V Ant0 DSI1

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.00	23.99	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.02	23.97	25.00
3GPP Rel 6	HSDPA Subtest-1	22.94	23.03	23.02	24.00
3GPP Rel 6	HSDPA Subtest-2	23.01	23.05	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.55	22.53	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.54	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.02	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	23.07	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.40	22.48	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.55	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.01	23.00	24.00
3GPP Rel 6	HSUPA Subtest-2	20.96	21.03	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	20.99	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.04	23.01	22.99	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.42	20.59	20.58	21.50

Band 5 Ant0 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.17	24.22	24.18	25.5	0
10	QPSK	1	25	24.06	24.13	24.05		
10	QPSK	1	49	24.11	24.20	24.14		
10	QPSK	25	0	23.11	23.19	23.14	24.5	1
10	QPSK	25	12	23.11	23.17	23.10		
10	QPSK	25	25	23.09	23.12	23.15		
10	QPSK	50	0	23.00	23.07	23.06		
10	16QAM	1	0	23.19	23.24	23.20	24.5	1
10	16QAM	1	25	23.34	23.34	23.33		
10	16QAM	1	49	23.10	23.17	23.10		
10	16QAM	25	0	22.13	22.21	22.21	23.5	2
10	16QAM	25	12	22.08	22.10	22.01		
10	16QAM	25	25	22.11	22.15	22.13		
10	16QAM	50	0	22.05	22.13	22.10		
10	64QAM	1	0	22.20	22.22	22.20	23.5	2
10	64QAM	1	25	22.18	22.24	22.26		
10	64QAM	1	49	22.08	22.15	22.12		
10	64QAM	25	0	21.13	21.16	21.18	22.5	3
10	64QAM	25	12	21.07	21.09	21.00		
10	64QAM	25	25	21.22	21.23	21.21		
10	64QAM	50	0	21.05	21.08	21.04		
10	256QAM	1	0	19.09	19.14	19.17	20.5	5
10	256QAM	1	25	19.17	19.21	19.16		
10	256QAM	1	49	19.04	19.08	19.08		
10	256QAM	25	0	19.14	19.21	19.16	20.5	5
10	256QAM	25	12	19.18	19.16	19.17		
10	256QAM	25	25	19.07	19.06	19.03		
10	256QAM	50	0	19.03	19.11	19.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.11	24.19	24.10	25.5	0
5	QPSK	1	12	23.98	24.11	24.00		
5	QPSK	1	24	24.02	24.16	24.14		
5	QPSK	12	0	23.08	23.22	23.09	24.5	1
5	QPSK	12	7	23.14	23.08	23.11		
5	QPSK	12	13	23.07	23.14	23.12		
5	QPSK	25	0	22.92	23.06	23.02		
5	16QAM	1	0	23.11	23.18	23.19	24.5	1
5	16QAM	1	12	23.25	23.36	23.35		
5	16QAM	1	24	23.10	23.14	23.12		
5	16QAM	12	0	22.15	22.22	22.20	23.5	2
5	16QAM	12	7	22.00	22.10	21.92		
5	16QAM	12	13	22.05	22.14	22.13		
5	16QAM	25	0	21.99	22.09	22.03		
5	64QAM	1	0	22.14	22.25	22.12	23.5	2
5	64QAM	1	12	22.18	22.25	22.23		
5	64QAM	1	24	22.10	22.17	22.08		
5	64QAM	12	0	21.05	21.14	21.16	22.5	3
5	64QAM	12	7	21.09	21.05	20.99		
5	64QAM	12	13	21.17	21.25	21.20		
5	64QAM	25	0	20.98	21.09	21.04		
5	256QAM	1	0	19.01	19.13	19.14	20.5	5
5	256QAM	1	12	19.13	19.15	19.16		
5	256QAM	1	24	18.98	19.00	19.01		
5	256QAM	12	0	19.06	19.22	19.13	20.5	5
5	256QAM	12	7	19.13	19.15	19.19		
5	256QAM	12	13	19.00	19.04	19.06		
5	256QAM	25	0	19.00	19.10	19.01		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.16	24.12	25.5	0
3	QPSK	1	8	23.98	24.14	24.00		
3	QPSK	1	14	24.14	24.18	24.09		
3	QPSK	8	0	23.13	23.14	23.05	24.5	1
3	QPSK	8	4	23.04	23.14	23.04		
3	QPSK	8	7	23.11	23.12	23.07		
3	QPSK	15	0	22.98	23.02	23.00		
3	16QAM	1	0	23.20	23.25	23.18	24.5	1
3	16QAM	1	8	23.34	23.34	23.34		
3	16QAM	1	14	23.03	23.17	23.12		
3	16QAM	8	0	22.11	22.15	22.14	23.5	2
3	16QAM	8	4	22.05	22.07	21.99		
3	16QAM	8	7	22.04	22.09	22.08		
3	16QAM	15	0	22.00	22.04	22.02		
3	64QAM	1	0	22.15	22.16	22.16	23.5	2
3	64QAM	1	8	22.12	22.23	22.25		
3	64QAM	1	14	21.99	22.16	22.12		
3	64QAM	8	0	21.14	21.13	21.20	22.5	3
3	64QAM	8	4	21.04	21.12	20.98		
3	64QAM	8	7	21.24	21.15	21.24		
3	64QAM	15	0	21.07	21.03	20.96		
3	256QAM	1	0	19.12	19.10	19.19	20.5	5
3	256QAM	1	8	19.15	19.19	19.16		
3	256QAM	1	14	19.00	19.04	19.08		
3	256QAM	8	0	19.16	19.15	19.17	20.5	5
3	256QAM	8	4	19.14	19.13	19.13		
3	256QAM	8	7	19.01	19.03	19.02		
3	256QAM	15	0	19.05	19.14	19.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.15	24.16	24.21	25.5	0
1.4	QPSK	1	3	24.06	24.13	24.02		
1.4	QPSK	1	5	24.03	24.17	24.10		
1.4	QPSK	3	0	24.10	24.13	24.15		
1.4	QPSK	3	1	24.07	24.05	24.07		
1.4	QPSK	3	3	24.04	24.20	24.11		
1.4	QPSK	6	0	23.03	23.16	23.08	24.5	1
1.4	16QAM	1	0	23.11	23.15	23.03	24.5	1
1.4	16QAM	1	3	23.09	23.09	23.10		
1.4	16QAM	1	5	22.97	23.02	23.04		
1.4	16QAM	3	0	23.12	23.24	23.20		
1.4	16QAM	3	1	23.28	23.27	23.24		
1.4	16QAM	3	3	23.04	23.10	23.12		
1.4	16QAM	6	0	22.15	22.19	22.23	23.5	2
1.4	64QAM	1	0	22.05	22.12	21.95	23.5	2
1.4	64QAM	1	3	22.12	22.09	22.12		
1.4	64QAM	1	5	22.00	22.07	22.07		
1.4	64QAM	3	0	22.18	22.24	22.11		
1.4	64QAM	3	1	22.19	22.16	22.22		
1.4	64QAM	3	3	22.01	22.11	22.14		
1.4	64QAM	6	0	21.09	21.11	21.17	22.5	3
1.4	256QAM	1	0	19.03	19.16	19.17	20.5	5
1.4	256QAM	1	3	19.18	19.20	19.09		
1.4	256QAM	1	5	18.97	19.03	19.03		
1.4	256QAM	3	0	19.11	19.18	19.19		
1.4	256QAM	3	1	19.12	19.16	19.14		
1.4	256QAM	3	3	19.09	19.04	18.95		
1.4	256QAM	6	0	19.01	19.11	19.01	20.5	5

Band 26 Ant0 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.18	24.23	24.11	25.5	0
15	QPSK	1	37	24.14	24.21	24.04		
15	QPSK	1	74	24.13	24.18	24.10		
15	QPSK	36	0	23.18	23.21	23.15	24.5	1
15	QPSK	36	20	23.14	23.20	23.03		
15	QPSK	36	39	23.15	23.12	23.13		
15	QPSK	75	0	23.14	23.18	23.13		
15	16QAM	1	0	23.11	23.13	23.03	24.5	1
15	16QAM	1	37	23.10	23.11	22.93		
15	16QAM	1	74	23.10	23.09	23.05		
15	16QAM	36	0	22.18	22.25	22.20	23.5	2
15	16QAM	36	20	22.20	22.19	22.04		
15	16QAM	36	39	22.10	22.10	22.16		
15	16QAM	75	0	22.13	22.19	22.19		
15	64QAM	1	0	22.05	22.18	22.09	23.5	2
15	64QAM	1	37	22.15	22.10	21.90		
15	64QAM	1	74	22.07	22.03	22.10		
15	64QAM	36	0	21.16	21.23	21.15	22.5	3
15	64QAM	36	20	21.21	21.21	21.02		
15	64QAM	36	39	21.14	21.07	21.15		
15	64QAM	75	0	21.14	21.23	21.16		
15	256QAM	1	0	19.17	19.26	19.13	20.5	5
15	256QAM	1	37	19.15	19.17	19.08		
15	256QAM	1	74	19.14	19.14	19.12		
15	256QAM	36	0	19.13	19.14	19.13	20.5	5
15	256QAM	36	20	19.09	19.09	19.05		
15	256QAM	36	39	19.09	19.17	18.90		
15	256QAM	75	0	19.15	19.08	19.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.09	24.21	24.02	25.5	0
10	QPSK	1	25	24.09	24.15	24.02		
10	QPSK	1	49	24.12	24.11	24.12		
10	QPSK	25	0	23.12	23.15	23.10	24.5	1
10	QPSK	25	12	23.10	23.13	22.94		
10	QPSK	25	25	23.12	23.04	23.15		
10	QPSK	50	0	23.08	23.16	23.05		
10	16QAM	1	0	23.03	23.08	22.95	24.5	1
10	16QAM	1	25	23.02	23.12	22.92		
10	16QAM	1	49	23.11	23.01	23.06		
10	16QAM	25	0	22.20	22.26	22.17	23.5	2
10	16QAM	25	12	22.16	22.15	22.07		
10	16QAM	25	25	22.07	22.09	22.11		
10	16QAM	50	0	22.07	22.19	22.13		
10	64QAM	1	0	21.99	22.17	22.06	23.5	2
10	64QAM	1	25	22.14	22.12	21.93		
10	64QAM	1	49	22.01	21.99	22.04		
10	64QAM	25	0	21.13	21.24	21.08	22.5	3
10	64QAM	25	12	21.05	21.17	21.04		
10	64QAM	25	25	21.14	21.10	21.11		
10	64QAM	50	0	21.15	21.18	21.17		
10	256QAM	1	0	19.09	19.27	19.07	20.5	5
10	256QAM	1	25	19.17	19.13	19.11		
10	256QAM	1	49	19.14	19.12	19.08		
10	256QAM	25	0	19.05	19.08	19.06	20.5	5
10	256QAM	25	12	19.12	19.06	19.01		
10	256QAM	25	25	19.10	19.14	18.83		
10	256QAM	50	0	19.13	19.10	19.08		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.15	24.22	24.04	25.5	0
5	QPSK	1	12	24.14	24.22	23.96		
5	QPSK	1	24	24.06	24.17	24.03		
5	QPSK	12	0	23.14	23.13	23.13	24.5	1
5	QPSK	12	7	23.13	23.21	23.04		
5	QPSK	12	13	23.10	23.12	23.10		
5	QPSK	25	0	23.14	23.10	23.09		
5	16QAM	1	0	23.12	23.15	22.98	24.5	1
5	16QAM	1	12	23.08	23.02	22.86		
5	16QAM	1	24	23.05	23.00	23.00		
5	16QAM	12	0	22.16	22.22	22.21	23.5	2
5	16QAM	12	7	22.14	22.20	22.04		
5	16QAM	12	13	22.02	22.11	22.08		
5	16QAM	25	0	22.13	22.13	22.16		
5	64QAM	1	0	22.03	22.21	22.07	23.5	2
5	64QAM	1	12	22.18	22.09	21.84		
5	64QAM	1	24	22.09	21.97	22.05		
5	64QAM	12	0	21.07	21.25	21.07	22.5	3
5	64QAM	12	7	21.02	21.22	20.95		
5	64QAM	12	13	21.07	21.02	21.13		
5	64QAM	25	0	21.07	21.22	21.18		
5	256QAM	1	0	19.18	19.26	19.09	20.5	5
5	256QAM	1	12	19.17	19.17	19.01		
5	256QAM	1	24	19.12	19.09	19.05		
5	256QAM	12	0	19.05	19.09	19.11	20.5	5
5	256QAM	12	7	19.10	19.04	19.06		
5	256QAM	12	13	19.10	19.09	18.86		
5	256QAM	25	0	19.07	18.99	18.97		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.14	24.21	24.06	25.5	0
3	QPSK	1	8	24.16	24.15	24.01		
3	QPSK	1	14	24.15	24.09	24.03		
3	QPSK	8	0	23.15	23.15	23.11	24.5	1
3	QPSK	8	4	23.15	23.14	23.02		
3	QPSK	8	7	23.18	23.10	23.05		
3	QPSK	15	0	23.11	23.14	23.10		
3	16QAM	1	0	23.04	23.04	22.98	24.5	1
3	16QAM	1	8	23.12	23.10	22.93		
3	16QAM	1	14	23.12	23.11	23.06		
3	16QAM	8	0	22.14	22.25	22.15	23.5	2
3	16QAM	8	4	22.18	22.20	21.99		
3	16QAM	8	7	22.06	22.02	22.17		
3	16QAM	15	0	22.09	22.16	22.11		
3	64QAM	1	0	22.05	22.19	22.04	23.5	2
3	64QAM	1	8	22.08	22.07	21.83		
3	64QAM	1	14	22.06	22.05	22.02		
3	64QAM	8	0	21.10	21.22	21.07	22.5	3
3	64QAM	8	4	21.06	21.23	21.02		
3	64QAM	8	7	21.06	21.03	21.09		
3	64QAM	15	0	21.08	21.19	21.13		
3	256QAM	1	0	19.19	19.20	19.08	20.5	5
3	256QAM	1	8	19.15	19.19	19.08		
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.09	19.10	19.06	20.5	5
3	256QAM	8	4	19.08	19.09	19.06		
3	256QAM	8	7	19.07	19.12	18.88		
3	256QAM	15	0	19.08	19.09	19.08		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.19	24.22	24.10	25.5	0
1.4	QPSK	1	3	24.15	24.19	23.98		
1.4	QPSK	1	5	24.08	24.10	24.07		
1.4	QPSK	3	0	24.13	24.21	24.09		
1.4	QPSK	3	1	24.06	24.15	24.07		
1.4	QPSK	3	3	24.09	24.09	24.07		
1.4	QPSK	6	0	23.10	23.18	23.14	24.5	1
1.4	16QAM	1	0	23.12	23.14	22.95	24.5	1
1.4	16QAM	1	3	23.16	23.12	23.14		
1.4	16QAM	1	5	23.08	23.18	23.05		
1.4	16QAM	3	0	23.07	23.14	23.02		
1.4	16QAM	3	1	23.07	23.02	22.94		
1.4	16QAM	3	3	23.07	23.01	22.98		
1.4	16QAM	6	0	22.11	22.21	22.14	23.5	2
1.4	64QAM	1	0	22.14	22.15	21.99	23.5	2
1.4	64QAM	1	3	22.09	22.04	22.18		
1.4	64QAM	1	5	22.04	22.10	22.11		
1.4	64QAM	3	0	22.02	22.15	22.06		
1.4	64QAM	3	1	22.15	22.04	21.87		
1.4	64QAM	3	3	19.11	21.96	22.01		
1.4	64QAM	6	0	21.11	21.22	21.06	22.5	3
1.4	256QAM	1	0	19.09	19.20	19.08	20.5	5
1.4	256QAM	1	3	19.10	19.10	19.09		
1.4	256QAM	1	5	19.08	19.14	19.12		
1.4	256QAM	3	0	19.14	19.16	19.06		
1.4	256QAM	3	1	19.02	19.00	19.07		
1.4	256QAM	3	3	19.11	19.20	18.88		
1.4	256QAM	6	0	19.12	19.09	19.07	20.5	5

GSM850 Ant1 DSI1

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.76	30.77	30.65	32.50	21.76	21.77	21.65	23.50
GPRS 1 Tx slot	30.79	30.80	30.70	32.50	21.79	21.80	21.70	23.50
GPRS 2 Tx slots	27.55	27.59	27.58	29.50	21.55	21.59	21.58	23.50
GPRS 3 Tx slots	25.81	25.78	25.74	27.50	21.55	21.52	21.48	23.24
GPRS 4 Tx slots	24.88	24.95	24.92	26.50	21.88	21.95	21.92	23.50
EDGE 1 Tx slot	25.96	25.97	25.74	27.50	16.96	16.97	16.74	18.50
EDGE 2 Tx slots	23.42	23.58	23.25	24.50	17.42	17.58	17.25	18.50
EDGE 3 Tx slots	21.57	21.68	21.58	22.70	17.31	17.42	17.32	18.44
EDGE 4 Tx slots	20.31	20.32	20.33	21.50	17.31	17.32	17.33	18.50

WCDMA V Ant1 DSI1

BW: 23.5

Band		WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.91	20.96	21.10	22.50
3GPP Rel 99	RMC 12.2Kbps	21.10	21.12	20.99	22.50
3GPP Rel 6	HSDPA Subtest-1	20.19	20.20	20.07	21.50
3GPP Rel 6	HSDPA Subtest-2	20.18	20.09	20.10	21.50
3GPP Rel 6	HSDPA Subtest-3	19.60	19.63	19.58	21.00
3GPP Rel 6	HSDPA Subtest-4	19.48	19.59	19.36	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.13	20.03	20.03	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.01	20.04	19.99	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.65	19.67	19.73	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.67	19.59	19.57	21.00
3GPP Rel 6	HSUPA Subtest-1	20.02	20.19	19.97	21.50
3GPP Rel 6	HSUPA Subtest-2	18.10	18.25	18.02	19.50
3GPP Rel 6	HSUPA Subtest-3	19.08	19.11	19.14	20.50
3GPP Rel 6	HSUPA Subtest-4	18.08	18.00	18.11	19.50
3GPP Rel 6	HSUPA Subtest-5	20.07	20.08	19.98	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.54	17.64	17.47	19.00

Band 5 Ant1 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.71	21.75	21.67	23	0
10	QPSK	1	25	21.48	21.59	21.63		
10	QPSK	1	49	21.40	21.53	21.40		
10	QPSK	25	0	21.45	21.47	21.45	23	0
10	QPSK	25	12	21.44	21.29	21.44		
10	QPSK	25	25	21.46	21.43	21.45		
10	QPSK	50	0	21.41	21.48	21.34		
10	16QAM	1	0	21.57	21.43	21.48	23	0
10	16QAM	1	25	21.37	21.59	21.54		
10	16QAM	1	49	21.47	21.64	21.53		
10	16QAM	25	0	21.47	21.58	21.51	23	0
10	16QAM	25	12	21.47	21.59	21.35		
10	16QAM	25	25	21.48	21.52	21.55		
10	16QAM	50	0	21.51	21.37	21.53		
10	64QAM	1	0	21.36	21.35	21.42	23	0
10	64QAM	1	25	21.37	21.43	21.27		
10	64QAM	1	49	21.35	21.42	21.39		
10	64QAM	25	0	21.05	21.04	21.03	22.5	0.5
10	64QAM	25	12	21.03	21.00	20.97		
10	64QAM	25	25	21.01	20.99	21.02		
10	64QAM	50	0	20.93	20.99	21.01		
10	256QAM	1	0	19.02	19.02	19.03	20.5	2.5
10	256QAM	1	25	19.00	19.00	19.02		
10	256QAM	1	49	18.95	18.95	18.93		
10	256QAM	25	0	18.94	18.99	18.96	20.5	2.5
10	256QAM	25	12	18.94	18.94	18.87		
10	256QAM	25	25	18.86	18.94	18.93		
10	256QAM	50	0	18.84	18.91	18.82		
Channel				20415	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.40	21.67	21.64	23	0
5	QPSK	1	12	21.49	21.61	21.65		
5	QPSK	1	24	21.54	21.64	21.41		
5	QPSK	12	0	21.38	21.51	21.38	23	0
5	QPSK	12	7	21.51	21.34	21.45		
5	QPSK	12	13	21.52	21.39	21.46		
5	QPSK	25	0	21.47	21.52	21.45		
5	16QAM	1	0	21.56	21.60	21.48	23	0
5	16QAM	1	12	21.36	21.51	21.39		
5	16QAM	1	24	21.49	21.60	21.59		
5	16QAM	12	0	21.50	21.63	21.51	23	0
5	16QAM	12	7	21.36	21.60	21.28		
5	16QAM	12	13	21.57	21.41	21.48		
5	16QAM	25	0	21.39	21.43	21.34		
5	64QAM	1	0	21.31	21.32	21.52	23	0
5	64QAM	1	12	21.26	21.35	21.24		
5	64QAM	1	24	21.45	21.38	21.43		
5	64QAM	12	0	21.00	21.05	20.97	22.5	0.5
5	64QAM	12	7	20.95	21.00	20.99		
5	64QAM	12	13	20.93	21.00	21.02		
5	64QAM	25	0	20.84	20.97	21.00		
5	256QAM	1	0	18.97	19.02	18.96	20.5	2.5
5	256QAM	1	12	18.91	19.02	19.03		
5	256QAM	1	24	18.95	18.88	18.89		
5	256QAM	12	0	18.94	18.91	18.90	20.5	2.5
5	256QAM	12	7	18.88	18.89	18.80		
5	256QAM	12	13	18.83	18.94	18.93		
5	256QAM	25	0	18.85	18.90	18.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.62	21.54	21.45	23	0
3	QPSK	1	8	21.56	21.54	21.53		
3	QPSK	1	14	21.60	21.50	21.45		
3	QPSK	8	0	21.42	21.59	21.54	23	0
3	QPSK	8	4	21.43	21.38	21.37		
3	QPSK	8	7	21.54	21.46	21.57		
3	QPSK	15	0	21.36	21.40	21.50		
3	16QAM	1	0	21.65	21.62	21.51	23	0
3	16QAM	1	8	21.46	21.47	21.44		
3	16QAM	1	14	21.63	21.65	21.63		
3	16QAM	8	0	21.40	21.54	21.59	23	0
3	16QAM	8	4	21.27	21.41	21.30		
3	16QAM	8	7	21.61	21.45	21.44		
3	16QAM	15	0	21.49	21.46	21.31		
3	64QAM	1	0	21.48	21.39	21.52	23	0
3	64QAM	1	8	21.36	21.43	21.37		
3	64QAM	1	14	21.45	21.43	21.40		
3	64QAM	8	0	20.99	20.99	21.01	22.5	0.5
3	64QAM	8	4	21.06	20.92	20.94		
3	64QAM	8	7	20.92	20.95	21.00		
3	64QAM	15	0	20.87	20.90	21.01		
3	256QAM	1	0	18.93	18.97	19.06	20.5	2.5
3	256QAM	1	8	19.02	19.00	18.97		
3	256QAM	1	14	18.95	18.92	18.96		
3	256QAM	8	0	18.92	18.91	18.98	20.5	2.5
3	256QAM	8	4	18.86	18.95	18.90		
3	256QAM	8	7	18.79	18.86	18.86		
3	256QAM	15	0	18.77	18.85	18.81		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.49	21.53	21.61	23	0
1.4	QPSK	1	3	21.52	21.48	21.68		
1.4	QPSK	1	5	21.50	21.62	21.52		
1.4	QPSK	3	0	21.44	21.59	21.49		
1.4	QPSK	3	1	21.29	21.48	21.50		
1.4	QPSK	3	3	21.54	21.50	21.52		
1.4	QPSK	6	0	21.39	21.36	21.57	23	0
1.4	16QAM	1	0	21.65	21.47	21.62	23	0
1.4	16QAM	1	3	21.41	21.50	21.53		
1.4	16QAM	1	5	21.43	21.65	21.57		
1.4	16QAM	3	0	21.55	21.63	21.58		
1.4	16QAM	3	1	21.48	21.54	21.33		
1.4	16QAM	3	3	21.53	21.56	21.45		
1.4	16QAM	6	0	21.54	21.51	21.33	23	0
1.4	64QAM	1	0	21.26	21.40	21.52	23	0
1.4	64QAM	1	3	21.34	21.27	21.27		
1.4	64QAM	1	5	21.41	21.46	21.49		
1.4	64QAM	3	0	21.52	21.54	21.49		
1.4	64QAM	3	1	21.54	21.64	21.48		
1.4	64QAM	3	3	21.55	21.60	21.57		
1.4	64QAM	6	0	20.94	21.01	20.97	22.5	0.5
1.4	256QAM	1	0	18.94	19.00	18.98	20.5	2.5
1.4	256QAM	1	3	18.93	19.02	19.01		
1.4	256QAM	1	5	18.87	18.93	18.93		
1.4	256QAM	3	0	18.91	19.00	18.94		
1.4	256QAM	3	1	18.95	18.97	18.81		
1.4	256QAM	3	3	18.78	18.92	18.95		
1.4	256QAM	6	0	18.80	18.86	18.82	20.5	2.5

Band 26 Ant1 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.52	21.63	21.59	23	0
15	QPSK	1	37	21.60	21.62	21.49		
15	QPSK	1	74	21.40	21.49	21.43		
15	QPSK	36	0	21.44	21.54	21.35	23	0
15	QPSK	36	20	21.31	21.38	21.31		
15	QPSK	36	39	21.34	21.47	21.53		
15	QPSK	75	0	21.42	21.47	21.45		
15	16QAM	1	0	21.56	21.38	21.47	23	0
15	16QAM	1	37	21.48	21.62	21.53		
15	16QAM	1	74	21.46	21.46	21.57		
15	16QAM	36	0	21.51	21.52	21.44	23	0
15	16QAM	36	20	21.24	21.44	21.22		
15	16QAM	36	39	21.62	21.39	21.34		
15	16QAM	75	0	21.38	21.37	21.30		
15	64QAM	1	0	21.23	21.40	21.42	23	0
15	64QAM	1	37	21.34	21.31	21.34		
15	64QAM	1	74	21.36	21.51	21.24		
15	64QAM	36	0	20.97	21.12	20.94	22.5	0.5
15	64QAM	36	20	21.02	21.05	20.94		
15	64QAM	36	39	20.96	21.05	20.90		
15	64QAM	75	0	20.97	21.10	21.00		
15	256QAM	1	0	19.07	19.07	18.95	20.5	2.5
15	256QAM	1	37	19.02	19.06	18.87		
15	256QAM	1	74	19.01	19.06	18.90		
15	256QAM	36	0	18.97	19.11	18.96	20.5	2.5
15	256QAM	36	20	19.10	19.07	18.94		
15	256QAM	36	39	19.06	19.03	18.93		
15	256QAM	75	0	18.88	18.95	18.79		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	21.45	21.48	21.45	23	0
10	QPSK	1	25	21.48	21.50	21.48		
10	QPSK	1	49	21.56	21.43	21.48		
10	QPSK	25	0	21.51	21.40	21.47	23	0
10	QPSK	25	12	21.24	21.39	21.32		
10	QPSK	25	25	21.42	21.56	21.51		
10	QPSK	50	0	21.33	21.40	21.29		
10	16QAM	1	0	21.51	21.56	21.46	23	0
10	16QAM	1	25	21.37	21.43	21.44		
10	16QAM	1	49	21.35	21.53	21.46		
10	16QAM	25	0	21.47	21.48	21.54	23	0
10	16QAM	25	12	21.20	21.54	21.31		
10	16QAM	25	25	21.52	21.32	21.51		
10	16QAM	50	0	21.39	21.41	21.47		
10	64QAM	1	0	21.28	21.31	21.36	23	0
10	64QAM	1	25	21.23	21.35	21.27		
10	64QAM	1	49	21.30	21.43	21.46		
10	64QAM	25	0	20.97	21.10	20.87	22.5	0.5
10	64QAM	25	12	20.95	21.03	20.89		
10	64QAM	25	25	20.95	20.97	20.84		
10	64QAM	50	0	20.93	21.06	21.01		
10	256QAM	1	0	19.06	19.02	18.97	20.5	2.5
10	256QAM	1	25	19.01	19.00	18.79		
10	256QAM	1	49	18.99	19.04	18.83		
10	256QAM	25	0	18.95	19.06	18.91	20.5	2.5
10	256QAM	25	12	19.03	19.08	18.89		
10	256QAM	25	25	18.99	19.00	18.90		
10	256QAM	50	0	18.81	18.93	18.72		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	21.51	21.56	21.38	23	0
5	QPSK	1	12	21.58	21.43	21.60		
5	QPSK	1	24	21.57	21.56	21.41		
5	QPSK	12	0	21.37	21.58	21.34	23	0
5	QPSK	12	7	21.36	21.42	21.36		
5	QPSK	12	13	21.45	21.46	21.34		
5	QPSK	25	0	21.41	21.42	21.39		
5	16QAM	1	0	21.56	21.59	21.51	23	0
5	16QAM	1	12	21.47	21.56	21.35		
5	16QAM	1	24	21.38	21.58	21.50		
5	16QAM	12	0	21.45	21.59	21.48	23	0
5	16QAM	12	7	21.28	21.51	21.43		
5	16QAM	12	13	21.50	21.46	21.54		
5	16QAM	25	0	21.38	21.50	21.43		
5	64QAM	1	0	21.37	21.32	21.39	23	0
5	64QAM	1	12	21.34	21.42	21.28		
5	64QAM	1	24	21.24	21.33	21.32		
5	64QAM	12	0	20.96	21.09	20.95	22.5	0.5
5	64QAM	12	7	21.01	21.03	20.88		
5	64QAM	12	13	20.92	21.02	20.89		
5	64QAM	25	0	20.98	21.02	21.03		
5	256QAM	1	0	18.99	19.08	18.91	20.5	2.5
5	256QAM	1	12	18.96	19.03	18.83		
5	256QAM	1	24	18.98	19.01	18.81		
5	256QAM	12	0	18.93	19.02	18.99	20.5	2.5
5	256QAM	12	7	19.09	19.01	18.85		
5	256QAM	12	13	18.97	19.02	18.92		
5	256QAM	25	0	18.87	18.91	18.73		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	21.52	21.48	21.49	23	0
3	QPSK	1	8	21.58	21.55	21.61		
3	QPSK	1	14	21.50	21.43	21.57		
3	QPSK	8	0	21.38	21.40	21.47	23	0
3	QPSK	8	4	21.42	21.22	21.45		
3	QPSK	8	7	21.29	21.42	21.52		
3	QPSK	15	0	21.35	21.49	21.34		
3	16QAM	1	0	21.46	21.37	21.55	23	0
3	16QAM	1	8	21.28	21.44	21.45		
3	16QAM	1	14	21.50	21.48	21.45		
3	16QAM	8	0	21.55	21.38	21.43	23	0
3	16QAM	8	4	21.29	21.47	21.23		
3	16QAM	8	7	21.57	21.50	21.46		
3	16QAM	15	0	21.47	21.40	21.44		
3	64QAM	1	0	21.29	21.42	21.50	23	0
3	64QAM	1	8	21.27	21.42	21.33		
3	64QAM	1	14	21.42	21.47	21.36		
3	64QAM	8	0	20.97	21.10	20.94	22.5	0.5
3	64QAM	8	4	21.01	21.08	20.87		
3	64QAM	8	7	20.88	21.01	20.87		
3	64QAM	15	0	20.97	21.05	20.94		
3	256QAM	1	0	19.05	19.00	18.93	20.5	2.5
3	256QAM	1	8	18.99	19.08	18.87		
3	256QAM	1	14	18.97	19.00	18.90		
3	256QAM	8	0	18.90	19.04	18.98	20.5	2.5
3	256QAM	8	4	19.07	19.01	18.91		
3	256QAM	8	7	18.98	19.01	18.94		
3	256QAM	15	0	18.62	18.62	18.57		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.38	21.48	21.60	23	0
1.4	QPSK	1	3	21.41	21.58	21.60		
1.4	QPSK	1	5	21.45	21.57	21.56		
1.4	QPSK	3	0	21.32	21.51	21.33		
1.4	QPSK	3	1	21.23	21.28	21.35		
1.4	QPSK	3	3	21.37	21.42	21.41		
1.4	QPSK	6	0	21.33	21.51	21.40	23	0
1.4	16QAM	1	0	21.56	21.47	21.38	23	0
1.4	16QAM	1	3	21.37	21.48	21.36		
1.4	16QAM	1	5	21.37	21.42	21.50		
1.4	16QAM	3	0	21.39	21.47	21.46		
1.4	16QAM	3	1	21.40	21.50	21.21		
1.4	16QAM	3	3	21.44	21.49	21.41		
1.4	16QAM	6	0	21.36	21.36	21.38	23	0
1.4	64QAM	1	0	21.38	21.35	21.33	23	0
1.4	64QAM	1	3	21.30	21.29	21.28		
1.4	64QAM	1	5	21.26	21.40	21.46		
1.4	64QAM	3	0	21.47	21.48	21.48		
1.4	64QAM	3	1	21.49	21.47	21.48		
1.4	64QAM	3	3	21.22	21.37	21.29		
1.4	64QAM	6	0	21.00	21.13	20.90	22.5	0.5
1.4	256QAM	1	0	19.00	19.01	18.97	20.5	2.5
1.4	256QAM	1	3	18.95	18.99	18.80		
1.4	256QAM	1	5	18.99	19.01	18.84		
1.4	256QAM	3	0	18.90	19.13	18.98		
1.4	256QAM	3	1	19.12	19.04	18.88		
1.4	256QAM	3	3	19.06	18.96	18.95		
1.4	256QAM	6	0	18.80	18.89	18.80	20.5	2.5

Band 42 Ant1 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.02	20.17	19.96	21	0
20	QPSK	1	49	20.02	20.07	19.99		
20	QPSK	1	99	20.03	20.09	20.05		
20	QPSK	50	0	20.03	20.11	19.98	21	0
20	QPSK	50	24	19.98	20.09	19.97		
20	QPSK	50	50	19.96	20.07	19.94		
20	QPSK	100	0	19.96	20.15	20.14		
20	16QAM	1	0	20.12	20.11	20.07	21	0
20	16QAM	1	49	20.05	20.06	20.03		
20	16QAM	1	99	20.12	20.15	20.08		
20	16QAM	50	0	20.11	20.12	20.12	21	0
20	16QAM	50	24	20.13	20.16	20.10		
20	16QAM	50	50	20.04	20.11	20.14		
20	16QAM	100	0	20.10	20.08	20.06		
20	64QAM	1	0	20.12	20.14	20.13	21	0
20	64QAM	1	49	20.07	20.12	20.16		
20	64QAM	1	99	20.12	20.05	20.15		
20	64QAM	50	0	20.03	19.84	20.08	21	0
20	64QAM	50	24	20.02	20.06	20.04		
20	64QAM	50	50	20.00	20.10	19.91		
20	64QAM	100	0	19.91	20.04	19.94		
20	256QAM	1	0	19.02	19.02	19.03	19.5	1.5
20	256QAM	1	49	19.00	19.00	19.02		
20	256QAM	1	99	18.95	18.95	18.93		
20	256QAM	50	0	18.94	18.99	18.96	19.5	1.5
20	256QAM	50	24	18.94	18.94	18.87		
20	256QAM	50	50	18.86	18.94	18.93		
20	256QAM	100	0	18.84	18.91	18.82		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.99	20.03	19.97	21	0
15	QPSK	1	37	19.96	19.92	19.95		
15	QPSK	1	74	20.01	20.03	19.84		
15	QPSK	36	0	19.88	19.86	20.06	21	0
15	QPSK	36	20	20.04	19.96	20.00		
15	QPSK	36	39	19.91	20.02	19.94		
15	QPSK	75	0	19.97	20.02	20.09		
15	16QAM	1	0	19.94	20.14	20.04	21	0
15	16QAM	1	37	20.04	19.98	20.05		
15	16QAM	1	74	20.05	20.09	20.02		
15	16QAM	36	0	20.05	20.02	20.14	21	0
15	16QAM	36	20	20.00	20.15	20.04		
15	16QAM	36	39	19.85	20.08	19.97		
15	16QAM	75	0	20.09	20.09	19.85		
15	64QAM	1	0	20.07	19.98	19.97	21	0
15	64QAM	1	37	19.92	20.12	20.02		
15	64QAM	1	74	20.05	19.98	20.01		
15	64QAM	36	0	20.03	19.65	20.08	21	0
15	64QAM	36	20	19.93	20.02	19.93		
15	64QAM	36	39	19.86	19.99	19.84		
15	64QAM	75	0	19.72	20.04	19.77		
15	256QAM	1	0	18.74	18.69	18.69	19.5	1.5
15	256QAM	1	37	18.73	18.60	18.73		
15	256QAM	1	74	18.66	18.63	18.61		
15	256QAM	36	0	18.57	18.57	18.57	19.5	1.5
15	256QAM	36	20	18.57	18.66	18.62		
15	256QAM	36	39	18.53	18.60	18.59		
15	256QAM	75	0	18.51	18.54	18.45		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.99	20.12	19.74	21	0
10	QPSK	1	25	19.88	20.08	19.87		
10	QPSK	1	49	20.00	19.89	20.05		
10	QPSK	25	0	19.72	19.85	20.04	21	0
10	QPSK	25	12	19.96	19.96	19.93		
10	QPSK	25	25	19.78	19.95	19.78		
10	QPSK	50	0	19.86	20.09	19.93		
10	16QAM	1	0	19.98	20.12	20.06	21	0
10	16QAM	1	25	19.88	19.95	20.03		
10	16QAM	1	49	20.15	20.14	19.89		
10	16QAM	25	0	19.99	19.99	20.04	21	0
10	16QAM	25	12	19.98	20.09	20.11		
10	16QAM	25	25	19.91	20.12	20.02		
10	16QAM	50	0	19.95	19.95	19.97		
10	64QAM	1	0	20.10	19.94	19.95	21	0
10	64QAM	1	25	20.02	20.08	20.04		
10	64QAM	1	49	20.14	19.87	20.05		
10	64QAM	25	0	19.97	19.65	20.09	21	0
10	64QAM	25	12	19.90	19.92	19.83		
10	64QAM	25	25	19.78	19.92	19.91		
10	64QAM	50	0	19.79	19.94	19.93		
10	256QAM	1	0	18.69	18.72	18.66	19.5	1.5
10	256QAM	1	25	18.66	18.61	18.69		
10	256QAM	1	49	18.64	18.69	18.66		
10	256QAM	25	0	18.62	18.60	18.51	19.5	1.5
10	256QAM	25	12	18.55	18.69	18.55		
10	256QAM	25	25	18.53	18.63	18.63		
10	256QAM	50	0	18.56	18.54	18.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.00	20.01	19.91	21	0
5	QPSK	1	12	19.95	19.91	19.95		
5	QPSK	1	24	20.01	20.08	19.97		
5	QPSK	12	0	19.82	19.83	19.99	21	0
5	QPSK	12	7	19.89	19.96	19.92		
5	QPSK	12	13	19.80	20.10	19.92		
5	QPSK	25	0	19.93	20.16	19.94		
5	16QAM	1	0	20.01	20.06	19.94	21	0
5	16QAM	1	12	19.92	19.88	20.00		
5	16QAM	1	24	19.95	20.15	19.89		
5	16QAM	12	0	20.08	20.12	20.06	21	0
5	16QAM	12	7	19.99	19.97	20.04		
5	16QAM	12	13	19.83	20.07	20.00		
5	16QAM	25	0	19.95	20.09	20.05		
5	64QAM	1	0	20.09	20.09	19.98	21	0
5	64QAM	1	12	19.90	20.15	20.12		
5	64QAM	1	24	19.99	19.84	20.04		
5	64QAM	12	0	19.90	19.74	19.99	21	0
5	64QAM	12	7	20.03	20.07	19.83		
5	64QAM	12	13	19.79	20.06	19.93		
5	64QAM	25	0	19.72	19.94	19.86		
5	256QAM	1	0	18.70	18.64	18.71	19.5	1.5
5	256QAM	1	12	18.65	18.63	18.71		
5	256QAM	1	24	18.69	18.67	18.62		
5	256QAM	12	0	18.55	18.54	18.49	19.5	1.5
5	256QAM	12	7	18.63	18.59	18.61		
5	256QAM	12	13	18.56	18.64	18.64		
5	256QAM	25	0	18.51	18.54	18.40		

Band 48 Ant1 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.50	18.78	18.68	18.57	20	0
20	QPSK	1	49	18.34	18.76	18.68	18.67		
20	QPSK	1	99	18.31	18.75	18.64	18.61		
20	QPSK	50	0	18.46	18.77	18.71	18.66	20	0
20	QPSK	50	24	18.40	18.74	18.69	18.60		
20	QPSK	50	50	18.33	18.71	18.70	18.71		
20	QPSK	100	0	18.51	18.72	18.71	18.66		
20	16QAM	1	0	18.28	18.74	18.70	18.58	20	0
20	16QAM	1	49	18.42	18.65	18.47	18.66		
20	16QAM	1	99	18.25	18.70	18.76	18.74		
20	16QAM	50	0	18.38	18.74	18.64	18.48	20	0
20	16QAM	50	24	18.34	18.64	18.60	18.63		
20	16QAM	50	50	18.37	18.62	18.56	18.59		
20	16QAM	100	0	18.48	18.66	18.62	18.53		
20	64QAM	1	0	18.31	18.71	18.71	18.52	20	0
20	64QAM	1	49	18.38	18.62	18.41	18.63		
20	64QAM	1	99	18.22	18.54	18.74	18.53		
20	64QAM	50	0	18.09	18.53	18.59	18.42	20	0
20	64QAM	50	24	18.16	18.59	18.62	18.38		
20	64QAM	50	50	18.34	18.51	18.52	18.34		
20	64QAM	100	0	18.24	18.51	18.68	18.53		
20	256QAM	1	0	17.77	18.13	18.03	18.08	19.5	0.5
20	256QAM	1	49	17.72	18.03	18.10	18.00		
20	256QAM	1	99	17.76	18.11	18.11	18.09		
20	256QAM	50	0	17.92	18.20	18.15	18.11	19.5	0.5
20	256QAM	50	24	17.79	18.13	18.17	18.01		
20	256QAM	50	50	17.75	18.16	18.04	18.14		
20	256QAM	100	0	17.79	18.11	18.18	18.07		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.35	18.48	18.53	18.31	20	0
15	QPSK	1	37	18.08	18.48	18.49	18.57		
15	QPSK	1	74	18.11	18.58	18.39	18.45		
15	QPSK	36	0	18.23	18.56	18.42	18.51	20	0
15	QPSK	36	20	18.14	18.52	18.46	18.32		
15	QPSK	36	39	18.22	18.42	18.40	18.49		
15	QPSK	75	0	18.37	18.55	18.46	18.50		
15	16QAM	1	0	18.71	18.55	18.50	18.46	20	0
15	16QAM	1	37	18.17	18.50	18.29	18.56		
15	16QAM	1	74	18.14	18.40	18.47	18.54		
15	16QAM	36	0	18.10	18.55	18.40	18.28	20	0
15	16QAM	36	20	18.13	18.37	18.37	18.54		
15	16QAM	36	39	18.19	18.52	18.27	18.34		
15	16QAM	75	0	18.18	18.35	18.53	18.41		
15	64QAM	1	0	18.20	18.44	18.43	18.33	20	0
15	64QAM	1	37	18.25	18.41	18.28	18.43		
15	64QAM	1	74	18.71	18.43	18.51	18.31		
15	64QAM	36	0	18.52	18.36	18.46	18.17	20	0
15	64QAM	36	20	18.04	18.43	18.32	18.14		
15	64QAM	36	39	18.03	18.42	18.29	18.16		
15	64QAM	75	0	18.02	18.40	18.45	18.23		
15	256QAM	1	0	17.77	18.08	18.04	18.09	19.5	0.5
15	256QAM	1	37	17.69	17.96	18.13	17.94		
15	256QAM	1	74	17.69	18.07	18.05	18.10		
15	256QAM	36	0	17.92	18.11	18.14	18.11	19.5	0.5
15	256QAM	36	20	17.81	18.07	18.14	17.94		
15	256QAM	36	39	17.67	18.15	18.06	18.16		
15	256QAM	75	0	17.81	18.07	18.10	18.01		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.28	18.50	18.54	18.33	20	0
10	QPSK	1	25	18.19	18.49	18.47	18.47		
10	QPSK	1	49	18.14	18.61	18.47	18.51		
10	QPSK	25	0	18.20	18.54	18.46	18.39	20	0
10	QPSK	25	12	18.10	18.59	18.45	18.40		
10	QPSK	25	25	18.10	18.63	18.59	18.49		
10	QPSK	50	0	18.41	18.62	18.62	18.42		
10	16QAM	1	0	18.17	18.54	18.60	18.40	20	0
10	16QAM	1	25	18.16	18.49	18.26	18.40		
10	16QAM	1	49	18.09	18.39	18.65	18.54		
10	16QAM	25	0	18.09	18.46	18.54	18.16	20	0
10	16QAM	25	12	18.13	18.49	18.47	18.55		
10	16QAM	25	25	18.26	18.50	18.32	18.40		
10	16QAM	50	0	18.21	18.50	18.53	18.31		
10	64QAM	1	0	18.03	18.43	18.53	18.22	20	0
10	64QAM	1	25	18.24	18.53	18.11	18.45		
10	64QAM	1	49	18.64	18.46	18.43	18.44		
10	64QAM	25	0	18.49	18.35	18.30	18.17	20	0
10	64QAM	25	12	18.05	18.48	18.39	18.08		
10	64QAM	25	25	18.11	18.30	18.22	18.16		
10	64QAM	50	0	18.13	18.25	18.51	18.41		
10	256QAM	1	0	17.80	18.16	17.98	18.10	19.5	0.5
10	256QAM	1	25	17.72	18.03	18.12	17.95		
10	256QAM	1	49	17.76	18.03	18.04	18.07		
10	256QAM	25	0	17.89	18.14	18.16	18.14	19.5	0.5
10	256QAM	25	12	17.73	18.09	18.11	18.02		
10	256QAM	25	25	17.73	18.17	18.07	18.07		
10	256QAM	50	0	17.79	18.10	18.13	18.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.35	18.57	18.42	18.42	20	0
5	QPSK	1	12	18.24	18.56	18.39	18.54		
5	QPSK	1	24	18.13	18.58	18.47	18.46		
5	QPSK	12	0	18.28	18.57	18.51	18.51	20	0
5	QPSK	12	7	18.32	18.48	18.39	18.43		
5	QPSK	12	13	18.08	18.51	18.51	18.55		
5	QPSK	25	0	18.42	18.56	18.51	18.47		
5	16QAM	1	0	18.48	18.50	18.56	18.44	20	0
5	16QAM	1	12	18.24	18.51	18.26	18.54		
5	16QAM	1	24	18.64	18.44	18.68	18.52		
5	16QAM	12	0	18.18	18.63	18.45	18.30	20	0
5	16QAM	12	7	18.15	18.42	18.36	18.49		
5	16QAM	12	13	18.24	18.34	18.36	18.41		
5	16QAM	25	0	18.40	18.45	18.39	18.40		
5	64QAM	1	0	18.02	18.55	18.59	18.39	20	0
5	64QAM	1	12	18.29	18.53	18.21	18.35		
5	64QAM	1	24	18.03	18.40	18.45	18.21		
5	64QAM	12	0	18.50	18.22	18.41	18.11	20	0
5	64QAM	12	7	18.02	18.31	18.50	18.21		
5	64QAM	12	13	18.05	18.20	18.43	18.23		
5	64QAM	25	0	18.02	18.36	18.47	18.30		
5	256QAM	1	0	17.75	18.14	17.95	18.02	19.5	0.5
5	256QAM	1	12	17.74	17.95	18.02	17.92		
5	256QAM	1	24	17.76	18.12	18.03	18.01		
5	256QAM	12	0	17.87	18.12	18.14	18.08	19.5	0.5
5	256QAM	12	7	17.81	18.08	18.18	18.00		
5	256QAM	12	13	17.76	18.18	18.02	18.07		
5	256QAM	25	0	17.79	18.11	18.12	18.01		

	GSM1900 Ant2 DSI1							
GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.71	27.85	27.74	29.00	18.71	18.85	18.74	20.00
GPRS 1 Tx slot	27.84	27.90	27.85	29.00	18.84	18.90	18.85	20.00
GPRS 2 Tx slots	24.40	24.48	24.37	26.00	18.40	18.48	18.37	20.00
GPRS 3 Tx slots	22.91	22.96	22.84	24.20	18.65	18.70	18.58	19.94
GPRS 4 Tx slots	20.95	21.14	20.90	23.00	17.95	18.14	17.90	20.00
EDGE 1 Tx slot	25.87	25.62	25.54	26.50	16.87	16.62	16.54	17.50
EDGE 2 Tx slots	23.06	22.97	22.95	23.50	17.06	16.97	16.95	17.50
EDGE 3 Tx slots	21.42	21.22	21.28	21.70	17.16	16.96	17.02	17.44
EDGE 4 Tx slots	19.56	19.36	19.57	20.50	16.56	16.36	16.57	17.50

		WCDMA II Ant2 DSI1			日期: 24	WCDMA IV Ant2 DSI1			日期: 24
Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.35	18.19	18.13	19.50	18.74	18.81	18.82	20.00
3GPP Rel 99	RMC 12.2Kbps	18.38	18.40	18.29	19.50	18.86	18.92	18.85	20.00
3GPP Rel 6	HSDPA Subtest-1	17.36	17.38	17.20	18.50	17.72	17.84	17.79	19.00
3GPP Rel 6	HSDPA Subtest-2	17.35	17.47	17.19	18.50	17.77	17.74	17.69	19.00
3GPP Rel 6	HSDPA Subtest-3	16.89	16.86	16.70	18.00	17.32	17.42	17.42	18.50
3GPP Rel 6	HSDPA Subtest-4	16.79	16.79	16.60	18.00	17.24	17.19	17.24	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.19	17.21	17.24	18.50	17.66	17.73	17.63	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.29	17.45	17.27	18.50	17.73	17.67	17.67	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.84	16.77	16.83	18.00	17.22	17.30	17.19	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.74	16.93	16.78	18.00	17.16	17.27	17.39	18.50
3GPP Rel 6	HSUPA Subtest-1	17.20	17.37	17.27	18.50	17.69	17.78	17.67	19.00
3GPP Rel 6	HSUPA Subtest-2	15.45	15.59	15.58	16.50	15.70	16.02	15.79	17.00
3GPP Rel 6	HSUPA Subtest-3	16.21	16.42	16.23	17.50	16.78	16.86	16.78	18.00
3GPP Rel 6	HSUPA Subtest-4	15.61	15.65	15.56	16.50	15.66	15.93	15.92	17.00
3GPP Rel 6	HSUPA Subtest-5	17.30	17.25	17.14	18.50	17.71	18.01	17.74	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.65	15.64	15.61	16.00	15.22	15.28	15.45	16.50

Band 2 Ant2 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.64	18.67	18.57	20	0
20	QPSK	1	49	18.42	18.46	18.58		
20	QPSK	1	99	18.63	18.43	18.49		
20	QPSK	50	0	18.49	18.53	18.44	20	0
20	QPSK	50	24	18.27	18.43	18.43		
20	QPSK	50	50	18.44	18.42	18.38		
20	QPSK	100	0	18.50	18.52	18.49		
20	16QAM	1	0	18.26	18.36	18.44	20	0
20	16QAM	1	49	18.21	18.40	18.45		
20	16QAM	1	99	18.37	18.50	18.28		
20	16QAM	50	0	18.49	18.55	18.45	20	0
20	16QAM	50	24	18.42	18.47	18.34		
20	16QAM	50	50	18.38	18.35	18.44		
20	16QAM	100	0	18.37	18.48	18.39		
20	64QAM	1	0	18.29	18.37	18.50	20	0
20	64QAM	1	49	18.37	18.25	18.39		
20	64QAM	1	99	18.38	18.50	18.40		
20	64QAM	50	0	18.48	18.57	18.25	20	0
20	64QAM	50	24	18.41	18.29	18.50		
20	64QAM	50	50	18.22	18.32	18.36		
20	64QAM	100	0	18.37	18.38	18.46		
20	256QAM	1	0	18.48	18.50	18.44	20	0
20	256QAM	1	49	18.49	18.36	18.33		
20	256QAM	1	99	18.30	18.27	18.51		
20	256QAM	50	0	18.46	18.46	18.45	20	0
20	256QAM	50	24	18.41	18.49	18.36		
20	256QAM	50	50	18.44	18.51	18.50		
20	256QAM	100	0	18.38	18.55	18.45		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.38	18.41	18.46	20	0
15	QPSK	1	37	18.49	18.40	18.44		
15	QPSK	1	74	18.30	18.48	18.43		
15	QPSK	36	0	18.30	18.33	18.27	20	0
15	QPSK	36	20	18.32	18.31	18.29		
15	QPSK	36	39	18.38	18.14	18.11		
15	QPSK	75	0	18.28	18.26	18.33		
15	16QAM	1	0	18.23	18.24	18.28	20	0
15	16QAM	1	37	18.24	18.19	18.21		
15	16QAM	1	74	18.29	18.32	18.11		
15	16QAM	36	0	18.37	18.36	18.20	20	0
15	16QAM	36	20	18.17	18.12	18.22		
15	16QAM	36	39	18.24	18.36	18.26		
15	16QAM	75	0	18.17	18.39	18.23		
15	64QAM	1	0	18.28	18.10	18.28	20	0
15	64QAM	1	37	18.08	18.33	18.39		
15	64QAM	1	74	18.38	18.32	18.21		
15	64QAM	36	0	18.31	18.36	18.31	20	0
15	64QAM	36	20	18.32	18.32	18.40		
15	64QAM	36	39	18.30	18.31	18.25		
15	64QAM	75	0	18.39	18.24	18.27		
15	256QAM	1	0	18.15	18.51	18.15	20	0
15	256QAM	1	37	18.37	18.21	18.32		
15	256QAM	1	74	18.17	18.15	18.35		
15	256QAM	36	0	18.38	18.44	18.33	20	0
15	256QAM	36	20	18.25	18.34	18.27		
15	256QAM	36	39	18.22	18.38	18.29		
15	256QAM	75	0	18.28	18.31	18.20		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.39	18.45	18.48	20	0
10	QPSK	1	25	18.36	18.47	18.38		
10	QPSK	1	49	18.52	18.35	18.42		
10	QPSK	25	0	18.21	18.44	18.32	20	0
10	QPSK	25	12	18.21	18.25	18.31		
10	QPSK	25	25	18.19	18.24	18.18		
10	QPSK	50	0	18.33	18.22	18.18		
10	16QAM	1	0	18.24	18.32	18.22	20	0
10	16QAM	1	25	18.26	18.08	18.26		
10	16QAM	1	49	18.12	18.34	18.11		
10	16QAM	25	0	18.19	18.31	18.15	20	0
10	16QAM	25	12	18.21	18.22	18.18		
10	16QAM	25	25	18.29	18.38	18.25		
10	16QAM	50	0	18.23	18.23	18.18		
10	64QAM	1	0	18.24	18.31	18.39	20	0
10	64QAM	1	25	18.18	18.18	18.31		
10	64QAM	1	49	18.25	18.32	18.28		
10	64QAM	25	0	18.24	18.36	18.14	20	0
10	64QAM	25	12	18.16	18.23	18.20		
10	64QAM	25	25	18.28	18.24	18.16		
10	64QAM	50	0	18.27	18.21	18.16		
10	256QAM	1	0	18.17	18.52	18.35	20	0
10	256QAM	1	25	18.30	18.25	18.36		
10	256QAM	1	49	18.17	18.33	18.21		
10	256QAM	25	0	18.34	18.36	18.14	20	0
10	256QAM	25	12	18.36	18.32	18.26		
10	256QAM	25	25	18.31	18.21	18.22		
10	256QAM	50	0	18.26	18.36	18.29		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.30	18.37	18.52	20	0
5	QPSK	1	12	18.50	18.50	18.46		
5	QPSK	1	24	18.42	18.44	18.34		
5	QPSK	12	0	18.33	18.20	18.30	20	0
5	QPSK	12	7	18.19	18.21	18.26		
5	QPSK	12	13	18.38	18.15	18.11		
5	QPSK	25	0	18.21	18.26	18.21		
5	16QAM	1	0	18.15	18.15	18.37	20	0
5	16QAM	1	12	18.21	18.25	18.23		
5	16QAM	1	24	18.32	18.28	18.26		
5	16QAM	12	0	18.31	18.23	18.18	20	0
5	16QAM	12	7	18.30	18.21	18.14		
5	16QAM	12	13	18.29	18.36	18.25		
5	16QAM	25	0	18.28	18.27	18.36		
5	64QAM	1	0	18.22	18.27	18.35	20	0
5	64QAM	1	12	18.27	18.14	18.24		
5	64QAM	1	24	18.17	18.29	18.32		
5	64QAM	12	0	18.29	18.42	18.28	20	0
5	64QAM	12	7	18.30	18.21	18.37		
5	64QAM	12	13	18.16	18.26	18.24		
5	64QAM	25	0	18.39	18.22	18.34		
5	256QAM	1	0	18.17	18.38	18.29	20	0
5	256QAM	1	12	18.30	18.37	18.38		
5	256QAM	1	24	18.20	18.18	18.20		
5	256QAM	12	0	18.24	18.40	18.31	20	0
5	256QAM	12	7	18.25	18.41	18.26		
5	256QAM	12	13	18.37	18.24	18.37		
5	256QAM	25	0	18.37	18.48	18.14		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.47	18.41	18.51	20	0
3	QPSK	1	8	18.49	18.42	18.32		
3	QPSK	1	14	18.33	18.45	18.33		
3	QPSK	8	0	18.14	18.38	18.30	20	0
3	QPSK	8	4	18.31	18.17	18.24		
3	QPSK	8	7	18.25	18.18	18.09		
3	QPSK	15	0	18.33	18.21	18.25		
3	16QAM	1	0	18.10	18.13	18.26	20	0
3	16QAM	1	8	18.20	18.28	18.21		
3	16QAM	1	14	18.28	18.24	18.17		
3	16QAM	8	0	18.18	18.21	18.14	20	0
3	16QAM	8	4	18.20	18.27	18.16		
3	16QAM	8	7	18.31	18.38	18.33		
3	16QAM	15	0	18.34	18.19	18.34		
3	64QAM	1	0	18.22	18.18	18.30	20	0
3	64QAM	1	8	18.32	18.14	18.42		
3	64QAM	1	14	18.24	18.40	18.13		
3	64QAM	8	0	18.31	18.46	18.12	20	0
3	64QAM	8	4	18.21	18.18	18.27		
3	64QAM	8	7	18.17	18.19	18.24		
3	64QAM	15	0	18.22	18.36	18.16		
3	256QAM	1	0	18.26	18.45	18.18	20	0
3	256QAM	1	8	18.31	18.21	18.22		
3	256QAM	1	14	18.33	18.26	18.35		
3	256QAM	8	0	18.25	18.30	18.35	20	0
3	256QAM	8	4	18.20	18.21	18.31		
3	256QAM	8	7	18.21	18.36	18.27		
3	256QAM	15	0	18.25	18.40	18.26		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.46	18.36	18.54	20	0
1.4	QPSK	1	3	18.31	18.41	18.54		
1.4	QPSK	1	5	18.48	18.37	18.36		
1.4	QPSK	3	0	18.24	18.29	18.21		
1.4	QPSK	3	1	18.17	18.20	18.36		
1.4	QPSK	3	3	18.29	18.28	18.14		
1.4	QPSK	6	0	18.27	18.27	18.17	20	0
1.4	16QAM	1	0	18.26	18.17	18.14	20	0
1.4	16QAM	1	3	18.33	18.12	18.36		
1.4	16QAM	1	5	18.22	18.35	18.16		
1.4	16QAM	3	0	18.17	18.28	18.21		
1.4	16QAM	3	1	18.15	18.30	18.26		
1.4	16QAM	3	3	18.35	18.21	18.20		
1.4	16QAM	6	0	18.20	18.18	18.34	20	0
1.4	64QAM	1	0	18.29	18.29	18.22	20	0
1.4	64QAM	1	3	18.30	18.17	18.34		
1.4	64QAM	1	5	18.23	18.27	18.13		
1.4	64QAM	3	0	18.23	18.41	18.34		
1.4	64QAM	3	1	18.22	18.37	18.24		
1.4	64QAM	3	3	18.29	18.13	18.33		
1.4	64QAM	6	0	18.36	18.23	18.23	20	0
1.4	256QAM	1	0	18.20	18.45	18.31	20	0
1.4	256QAM	1	3	18.18	18.30	18.41		
1.4	256QAM	1	5	18.33	18.24	18.18		
1.4	256QAM	3	0	18.23	18.39	18.26		
1.4	256QAM	3	1	18.21	18.39	18.22		
1.4	256QAM	3	3	18.28	18.26	18.26		
1.4	256QAM	6	0	18.36	18.31	18.22	20	0

Band 4 Ant2 DSI1 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.30	18.39	18.22	19.5	0
20	QPSK	1	49	18.21	18.20	18.25		
20	QPSK	1	99	18.33	18.31	18.26		
20	QPSK	50	0	18.08	18.37	18.20	19.5	0
20	QPSK	50	24	17.94	18.33	18.26		
20	QPSK	50	50	18.32	18.12	18.11		
20	QPSK	100	0	18.08	18.12	18.02		
20	16QAM	1	0	18.07	18.09	18.32	19.5	0
20	16QAM	1	49	18.00	18.07	18.27		
20	16QAM	1	99	18.27	18.35	18.09		
20	16QAM	50	0	18.20	18.25	18.27	19.5	0
20	16QAM	50	24	18.14	18.25	18.09		
20	16QAM	50	50	18.06	18.14	18.11		
20	16QAM	100	0	18.13	18.30	18.28		
20	64QAM	1	0	18.14	18.18	18.37	19.5	0
20	64QAM	1	49	18.16	18.11	18.28		
20	64QAM	1	99	18.24	18.19	18.25		
20	64QAM	50	0	18.26	18.23	18.08	19.5	0
20	64QAM	50	24	18.08	18.08	18.33		
20	64QAM	50	50	18.08	18.11	18.02		
20	64QAM	100	0	18.18	18.05	18.34		
20	256QAM	1	0	18.26	18.18	18.17	19.5	0
20	256QAM	1	49	18.34	18.24	18.23		
20	256QAM	1	99	18.13	18.16	18.29		
20	256QAM	50	0	18.23	18.14	18.21	19.5	0
20	256QAM	50	24	18.24	18.22	18.23		
20	256QAM	50	50	18.34	18.32	18.30		
20	256QAM	100	0	18.16	18.21	18.25		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.24	18.35	18.19	19.5	0
15	QPSK	1	37	18.18	18.33	18.25		
15	QPSK	1	74	18.38	18.31	18.19		
15	QPSK	36	0	17.96	18.30	18.10	19.5	0
15	QPSK	36	20	18.07	18.15	18.12		
15	QPSK	36	39	18.13	18.17	18.05		
15	QPSK	75	0	18.16	18.18	18.09		
15	16QAM	1	0	17.93	18.12	18.30	19.5	0
15	16QAM	1	37	17.99	18.07	18.17		
15	16QAM	1	74	18.10	18.25	18.09		
15	16QAM	36	0	18.24	18.25	18.21	19.5	0
15	16QAM	36	20	18.15	18.33	18.16		
15	16QAM	36	39	18.27	18.03	18.32		
15	16QAM	75	0	18.24	18.37	18.25		
15	64QAM	1	0	18.06	18.09	18.28	19.5	0
15	64QAM	1	37	18.05	18.10	18.19		
15	64QAM	1	74	18.08	18.38	18.10		
15	64QAM	36	0	18.25	18.23	18.02	19.5	0
15	64QAM	36	20	18.26	18.19	18.34		
15	64QAM	36	39	18.09	18.04	18.12		
15	64QAM	75	0	18.18	18.11	18.36		
15	256QAM	1	0	18.20	18.32	18.18	19.5	0
15	256QAM	1	37	18.34	18.26	18.15		
15	256QAM	1	74	18.19	18.00	18.19		
15	256QAM	36	0	18.27	18.36	18.28	19.5	0
15	256QAM	36	20	18.07	18.23	18.19		
15	256QAM	36	39	18.32	18.26	18.31		
15	256QAM	75	0	18.24	18.35	18.22		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.27	18.34	18.36	19.5	0
10	QPSK	1	25	18.19	18.17	18.32		
10	QPSK	1	49	18.35	18.10	18.28		
10	QPSK	25	0	18.16	18.38	18.05	19.5	0
10	QPSK	25	12	18.08	18.26	18.24		
10	QPSK	25	25	18.17	18.27	18.26		
10	QPSK	50	0	18.00	18.13	18.01		
10	16QAM	1	0	18.11	18.22	18.26	19.5	0
10	16QAM	1	25	17.98	18.14	18.18		
10	16QAM	1	49	18.20	18.38	18.09		
10	16QAM	25	0	18.17	18.28	18.28	19.5	0
10	16QAM	25	12	18.19	18.16	18.12		
10	16QAM	25	25	18.22	18.24	18.28		
10	16QAM	50	0	18.10	18.26	18.17		
10	64QAM	1	0	18.01	18.11	18.17	19.5	0
10	64QAM	1	25	18.21	17.92	18.08		
10	64QAM	1	49	18.14	18.31	18.12		
10	64QAM	25	0	18.30	18.26	18.05	19.5	0
10	64QAM	25	12	18.16	18.13	18.35		
10	64QAM	25	25	17.92	18.00	18.17		
10	64QAM	50	0	18.23	18.17	18.34		
10	256QAM	1	0	18.15	18.21	18.30	19.5	0
10	256QAM	1	25	18.27	18.06	18.09		
10	256QAM	1	49	18.09	17.95	18.35		
10	256QAM	25	0	18.16	18.30	18.21	19.5	0
10	256QAM	25	12	18.12	18.27	18.19		
10	256QAM	25	25	18.31	18.34	18.34		
10	256QAM	50	0	18.04	18.37	18.28		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.21	18.34	18.30	19.5	0
5	QPSK	1	12	18.18	18.15	18.33		
5	QPSK	1	24	18.38	18.24	18.33		
5	QPSK	12	0	18.18	18.27	18.02	19.5	0
5	QPSK	12	7	17.94	18.24	18.26		
5	QPSK	12	13	18.13	18.13	18.11		
5	QPSK	25	0	18.12	17.98	18.14		
5	16QAM	1	0	17.92	18.05	18.11	19.5	0
5	16QAM	1	12	18.10	18.11	18.16		
5	16QAM	1	24	18.11	18.22	18.00		
5	16QAM	12	0	18.24	18.29	18.27	19.5	0
5	16QAM	12	7	18.23	18.32	18.05		
5	16QAM	12	13	18.18	18.16	18.31		
5	16QAM	25	0	18.24	18.19	18.14		
5	64QAM	1	0	18.18	18.23	18.31	19.5	0
5	64QAM	1	12	18.07	17.97	18.23		
5	64QAM	1	24	18.12	18.16	18.29		
5	64QAM	12	0	18.27	18.30	18.00	19.5	0
5	64QAM	12	7	18.30	18.19	18.36		
5	64QAM	12	13	17.90	18.16	18.16		
5	64QAM	25	0	18.23	18.22	18.20		
5	256QAM	1	0	18.32	18.32	18.14	19.5	0
5	256QAM	1	12	18.32	18.04	18.21		
5	256QAM	1	24	18.11	17.99	18.17		
5	256QAM	12	0	18.35	18.26	18.33	19.5	0
5	256QAM	12	7	18.19	18.19	18.09		
5	256QAM	12	13	18.26	18.28	18.29		
5	256QAM	25	0	18.08	18.37	18.21		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.34	18.37	18.27	19.5	0
3	QPSK	1	8	18.19	18.24	18.38		
3	QPSK	1	14	18.39	18.23	18.17		
3	QPSK	8	0	18.18	18.26	18.08	19.5	0
3	QPSK	8	4	18.03	18.16	18.15		
3	QPSK	8	7	18.24	18.08	18.22		
3	QPSK	15	0	18.04	18.00	18.11		
3	16QAM	1	0	18.04	18.14	18.30	19.5	0
3	16QAM	1	8	18.08	18.18	18.20		
3	16QAM	1	14	18.26	18.31	18.18		
3	16QAM	8	0	18.36	18.37	18.28	19.5	0
3	16QAM	8	4	18.11	18.21	18.15		
3	16QAM	8	7	18.11	18.02	18.28		
3	16QAM	15	0	18.21	18.29	18.13		
3	64QAM	1	0	18.03	18.25	18.29	19.5	0
3	64QAM	1	8	18.12	17.93	18.06		
3	64QAM	1	14	18.22	18.24	18.12		
3	64QAM	8	0	18.16	18.31	18.12	19.5	0
3	64QAM	8	4	18.11	18.04	18.30		
3	64QAM	8	7	17.91	18.08	18.04		
3	64QAM	15	0	18.09	18.25	18.21		
3	256QAM	1	0	18.36	18.34	18.11	19.5	0
3	256QAM	1	8	18.17	18.11	18.21		
3	256QAM	1	14	17.98	18.10	18.39		
3	256QAM	8	0	18.33	18.31	18.31	19.5	0
3	256QAM	8	4	18.12	18.29	18.24		
3	256QAM	8	7	18.20	18.39	18.34		
3	256QAM	15	0	18.15	18.32	18.33		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.23	18.32	18.20	19.5	0
1.4	QPSK	1	3	18.30	18.20	18.39		
1.4	QPSK	1	5	18.31	18.25	18.15		
1.4	QPSK	3	0	17.97	18.28	18.00		
1.4	QPSK	3	1	18.02	18.18	18.32		
1.4	QPSK	3	3	18.27	18.11	18.24		
1.4	QPSK	6	0	17.98	18.00	18.13	19.5	0
1.4	16QAM	1	0	18.07	18.20	18.25	19.5	0
1.4	16QAM	1	3	17.88	18.12	18.22		
1.4	16QAM	1	5	18.03	18.27	18.05		
1.4	16QAM	3	0	18.26	18.28	18.34		
1.4	16QAM	3	1	18.28	18.28	18.20		
1.4	16QAM	3	3	18.27	18.03	18.20		
1.4	16QAM	6	0	18.23	18.19	18.24	19.5	0
1.4	64QAM	1	0	18.01	18.14	18.36	19.5	0
1.4	64QAM	1	3	18.07	18.06	18.24		
1.4	64QAM	1	5	18.26	18.36	18.16		
1.4	64QAM	3	0	18.22	18.30	18.05		
1.4	64QAM	3	1	18.28	18.16	18.22		
1.4	64QAM	3	3	17.90	18.13	18.17		
1.4	64QAM	6	0	18.05	18.15	18.22	19.5	0
1.4	256QAM	1	0	18.34	18.23	18.23	19.5	0
1.4	256QAM	1	3	18.15	18.20	18.06		
1.4	256QAM	1	5	18.01	18.04	18.29		
1.4	256QAM	3	0	18.20	18.17	18.29		
1.4	256QAM	3	1	18.26	18.35	18.17		
1.4	256QAM	3	3	18.30	18.18	18.31		
1.4	256QAM	6	0	18.10	18.22	18.18	19.5	0

Band 7 Ant2 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.50	16.57	16.48	17.5	0
20	QPSK	1	49	16.31	16.29	16.48		
20	QPSK	1	99	16.40	16.47	16.40		
20	QPSK	50	0	16.51	16.55	16.54	17.5	0
20	QPSK	50	24	16.04	16.42	16.38		
20	QPSK	50	50	16.51	16.33	16.20		
20	QPSK	100	0	16.21	16.39	16.32		
20	16QAM	1	0	16.24	16.33	16.55	17.5	0
20	16QAM	1	49	16.09	16.30	16.56		
20	16QAM	1	99	16.54	16.50	16.21		
20	16QAM	50	0	16.47	16.36	16.50	17.5	0
20	16QAM	50	24	16.42	16.43	16.28		
20	16QAM	50	50	16.17	16.37	16.30		
20	16QAM	100	0	16.31	16.50	16.45		
20	64QAM	1	0	16.35	16.30	16.52	17.5	0
20	64QAM	1	49	16.39	16.37	16.39		
20	64QAM	1	99	16.45	16.38	16.43		
20	64QAM	50	0	16.52	16.40	16.24	17.5	0
20	64QAM	50	24	16.20	16.27	16.44		
20	64QAM	50	50	16.31	16.25	16.23		
20	64QAM	100	0	16.37	16.34	16.54		
20	256QAM	1	0	16.52	16.37	16.47	17.5	0
20	256QAM	1	49	16.51	16.42	16.33		
20	256QAM	1	99	16.36	16.38	16.40		
20	256QAM	50	0	16.37	16.23	16.48	17.5	0
20	256QAM	50	24	16.43	16.41	16.53		
20	256QAM	50	50	16.53	16.49	16.39		
20	256QAM	100	0	16.46	16.43	16.38		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.55	16.42	16.36	17.5	0
15	QPSK	1	37	16.29	16.44	16.46		
15	QPSK	1	74	16.46	16.52	16.48		
15	QPSK	36	0	16.27	16.50	16.46	17.5	0
15	QPSK	36	20	16.15	16.42	16.42		
15	QPSK	36	39	16.50	16.30	16.19		
15	QPSK	75	0	16.37	16.38	16.29		
15	16QAM	1	0	16.16	16.27	16.55	17.5	0
15	16QAM	1	37	16.25	16.28	16.43		
15	16QAM	1	74	16.49	16.52	16.21		
15	16QAM	36	0	16.37	16.47	16.35	17.5	0
15	16QAM	36	20	16.44	16.48	16.36		
15	16QAM	36	39	16.27	16.39	16.19		
15	16QAM	75	0	16.37	16.33	16.46		
15	64QAM	1	0	16.45	16.36	16.55	17.5	0
15	64QAM	1	37	16.32	16.26	16.56		
15	64QAM	1	74	16.51	16.45	16.42		
15	64QAM	36	0	16.46	16.33	16.27	17.5	0
15	64QAM	36	20	16.39	16.26	16.45		
15	64QAM	36	39	16.28	16.40	16.25		
15	64QAM	75	0	16.47	16.20	16.56		
15	256QAM	1	0	16.53	16.32	16.26	17.5	0
15	256QAM	1	37	16.39	16.41	16.32		
15	256QAM	1	74	16.44	16.45	16.47		
15	256QAM	36	0	16.31	16.25	16.53	17.5	0
15	256QAM	36	20	16.37	16.48	16.37		
15	256QAM	36	39	16.56	16.41	16.51		
15	256QAM	75	0	16.28	16.33	16.51		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.50	16.51	16.33	17.5	0
10	QPSK	1	25	16.39	16.35	16.49		
10	QPSK	1	49	16.56	16.55	16.48		
10	QPSK	25	0	16.21	16.49	16.49	17.5	0
10	QPSK	25	12	16.24	16.48	16.49		
10	QPSK	25	25	16.34	16.39	16.36		
10	QPSK	50	0	16.20	16.39	16.11		
10	16QAM	1	0	16.26	16.35	16.52	17.5	0
10	16QAM	1	25	16.12	16.24	16.43		
10	16QAM	1	49	16.36	16.53	16.32		
10	16QAM	25	0	16.30	16.40	16.43	17.5	0
10	16QAM	25	12	16.23	16.53	16.19		
10	16QAM	25	25	16.33	16.35	16.30		
10	16QAM	50	0	16.21	16.46	16.45		
10	64QAM	1	0	16.35	16.31	16.55	17.5	0
10	64QAM	1	25	16.35	16.23	16.38		
10	64QAM	1	49	16.46	16.48	16.34		
10	64QAM	25	0	16.54	16.41	16.35	17.5	0
10	64QAM	25	12	16.35	16.21	16.53		
10	64QAM	25	25	16.34	16.41	16.27		
10	64QAM	50	0	16.48	16.20	16.56		
10	256QAM	1	0	16.56	16.42	16.39	17.5	0
10	256QAM	1	25	16.51	16.37	16.38		
10	256QAM	1	49	16.37	16.35	16.39		
10	256QAM	25	0	16.36	16.26	16.39	17.5	0
10	256QAM	25	12	16.43	16.51	16.37		
10	256QAM	25	25	16.43	16.44	16.43		
10	256QAM	50	0	16.35	16.45	16.43		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.55	16.53	16.51	17.5	0
5	QPSK	1	12	16.40	16.47	16.50		
5	QPSK	1	24	16.53	16.34	16.45		
5	QPSK	12	0	16.38	16.56	16.38	17.5	0
5	QPSK	12	7	16.25	16.43	16.44		
5	QPSK	12	13	16.41	16.25	16.19		
5	QPSK	25	0	16.19	16.37	16.25		
5	16QAM	1	0	16.36	16.26	16.45	17.5	0
5	16QAM	1	12	16.16	16.34	16.47		
5	16QAM	1	24	16.43	16.53	16.36		
5	16QAM	12	0	16.30	16.51	16.54	17.5	0
5	16QAM	12	7	16.44	16.37	16.24		
5	16QAM	12	13	16.34	16.33	16.36		
5	16QAM	25	0	16.22	16.53	16.50		
5	64QAM	1	0	16.40	16.27	16.45	17.5	0
5	64QAM	1	12	16.36	16.33	16.40		
5	64QAM	1	24	16.53	16.27	16.36		
5	64QAM	12	0	16.52	16.47	16.26	17.5	0
5	64QAM	12	7	16.28	16.22	16.40		
5	64QAM	12	13	16.34	16.35	16.12		
5	64QAM	25	0	16.46	16.34	16.47		
5	256QAM	1	0	16.52	16.36	16.33	17.5	0
5	256QAM	1	12	16.43	16.55	16.38		
5	256QAM	1	24	16.36	16.28	16.48		
5	256QAM	12	0	16.53	16.27	16.30	17.5	0
5	256QAM	12	7	16.43	16.44	16.33		
5	256QAM	12	13	16.50	16.48	16.54		
5	256QAM	25	0	16.29	16.38	16.53		

Band 66 Ant2 DSI1 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.47	18.52	18.50	19.5	0
20	QPSK	1	49	18.28	18.38	18.48		
20	QPSK	1	99	18.43	18.38	18.39		
20	QPSK	50	0	18.22	18.41	18.27	19.5	0
20	QPSK	50	24	18.17	18.40	18.37		
20	QPSK	50	50	18.38	18.13	18.22		
20	QPSK	100	0	18.10	18.27	18.19		
20	16QAM	1	0	18.23	18.09	18.41	19.5	0
20	16QAM	1	49	18.21	18.28	18.27		
20	16QAM	1	99	18.47	18.39	18.19		
20	16QAM	50	0	18.43	18.31	18.47	19.5	0
20	16QAM	50	24	18.21	18.45	18.10		
20	16QAM	50	50	18.09	18.32	18.32		
20	16QAM	100	0	18.33	18.38	18.29		
20	64QAM	1	0	18.23	18.38	18.39	19.5	0
20	64QAM	1	49	18.33	18.31	18.39		
20	64QAM	1	99	18.41	18.34	18.28		
20	64QAM	50	0	18.45	18.29	18.09	19.5	0
20	64QAM	50	24	18.25	18.27	18.33		
20	64QAM	50	50	18.15	18.23	18.11		
20	64QAM	100	0	18.17	18.25	18.43		
20	256QAM	1	0	18.33	18.38	18.36	19.5	0
20	256QAM	1	49	18.47	18.43	18.37		
20	256QAM	1	99	18.24	18.18	18.37		
20	256QAM	50	0	18.28	18.35	18.21	19.5	0
20	256QAM	50	24	18.33	18.31	18.27		
20	256QAM	50	50	18.50	18.37	18.34		
20	256QAM	100	0	18.37	18.27	18.35		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.28	18.36	18.04	19.5	0
15	QPSK	1	37	18.20	18.00	18.08		
15	QPSK	1	74	18.34	18.28	18.11		
15	QPSK	36	0	17.94	18.23	18.05	19.5	0
15	QPSK	36	20	17.88	18.34	18.18		
15	QPSK	36	39	18.27	17.99	18.05		
15	QPSK	75	0	17.88	18.14	17.98		
15	16QAM	1	0	17.87	18.10	18.12	19.5	0
15	16QAM	1	37	17.84	17.98	18.18		
15	16QAM	1	74	18.11	18.35	17.91		
15	16QAM	36	0	18.13	18.19	18.07	19.5	0
15	16QAM	36	20	18.13	18.23	18.04		
15	16QAM	36	39	18.05	18.02	18.03		
15	16QAM	75	0	18.06	18.14	18.28		
15	64QAM	1	0	17.93	18.18	18.21	19.5	0
15	64QAM	1	37	18.08	17.96	18.12		
15	64QAM	1	74	18.07	18.12	18.15		
15	64QAM	36	0	18.05	18.12	18.04	19.5	0
15	64QAM	36	20	17.93	17.89	18.32		
15	64QAM	36	39	17.96	18.00	17.82		
15	64QAM	75	0	17.98	18.07	18.24		
15	256QAM	1	0	18.22	18.01	17.96	19.5	0
15	256QAM	1	37	18.34	18.06	18.04		
15	256QAM	1	74	18.05	18.03	18.10		
15	256QAM	36	0	18.09	18.06	18.02	19.5	0
15	256QAM	36	20	18.20	18.24	18.16		
15	256QAM	36	39	18.25	18.22	18.09		
15	256QAM	75	0	18.12	18.17	18.05		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.26	18.32	18.01	19.5	0
10	QPSK	1	25	18.15	18.18	18.14		
10	QPSK	1	49	18.12	18.32	18.26		
10	QPSK	25	0	17.91	18.29	18.09	19.5	0
10	QPSK	25	12	17.78	18.20	18.05		
10	QPSK	25	25	18.18	18.05	18.04		
10	QPSK	50	0	17.96	18.00	18.00		
10	16QAM	1	0	18.01	18.03	18.24	19.5	0
10	16QAM	1	25	17.82	18.01	18.25		
10	16QAM	1	49	18.13	18.36	17.96		
10	16QAM	25	0	18.21	18.12	18.14	19.5	0
10	16QAM	25	12	18.08	18.19	18.05		
10	16QAM	25	25	18.06	18.02	17.99		
10	16QAM	50	0	18.13	18.31	18.25		
10	64QAM	1	0	18.02	18.13	18.31	19.5	0
10	64QAM	1	25	18.10	17.91	18.26		
10	64QAM	1	49	18.12	18.10	18.08		
10	64QAM	25	0	18.14	18.17	18.09	19.5	0
10	64QAM	25	12	17.93	17.96	18.21		
10	64QAM	25	25	17.91	17.99	17.96		
10	64QAM	50	0	17.97	17.92	18.28		
10	256QAM	1	0	18.24	18.11	18.10	19.5	0
10	256QAM	1	25	18.34	18.20	18.20		
10	256QAM	1	49	18.02	18.04	18.14		
10	256QAM	25	0	18.25	18.05	18.13	19.5	0
10	256QAM	25	12	18.19	18.15	18.16		
10	256QAM	25	25	18.24	18.24	18.18		
10	256QAM	50	0	17.98	18.15	18.20		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.30	18.37	18.04	19.5	0
5	QPSK	1	12	18.16	18.11	18.06		
5	QPSK	1	24	18.26	18.12	18.21		
5	QPSK	12	0	18.01	18.38	18.03	19.5	0
5	QPSK	12	7	17.93	18.20	18.08		
5	QPSK	12	13	18.21	17.98	17.91		
5	QPSK	25	0	17.90	18.10	17.83		
5	16QAM	1	0	17.99	17.98	18.28	19.5	0
5	16QAM	1	12	17.95	17.96	18.19		
5	16QAM	1	24	18.28	18.15	17.97		
5	16QAM	12	0	18.11	18.22	18.14	19.5	0
5	16QAM	12	7	18.00	18.20	17.91		
5	16QAM	12	13	17.89	18.05	18.10		
5	16QAM	25	0	18.01	18.29	18.07		
5	64QAM	1	0	18.09	18.16	18.19	19.5	0
5	64QAM	1	12	18.14	18.08	18.11		
5	64QAM	1	24	18.03	18.14	18.09		
5	64QAM	12	0	18.05	18.02	17.89	19.5	0
5	64QAM	12	7	17.92	18.07	18.15		
5	64QAM	12	13	17.89	17.92	17.84		
5	64QAM	25	0	18.18	17.86	18.30		
5	256QAM	1	0	18.23	18.01	18.12	19.5	0
5	256QAM	1	12	18.26	18.16	18.12		
5	256QAM	1	24	17.97	17.99	18.26		
5	256QAM	12	0	18.12	18.06	18.02	19.5	0
5	256QAM	12	7	18.25	18.17	18.06		
5	256QAM	12	13	18.22	18.12	18.09		
5	256QAM	25	0	18.15	18.18	18.13		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.12	18.21	18.03	19.5	0
3	QPSK	1	8	18.10	18.20	18.08		
3	QPSK	1	14	18.26	18.11	18.23		
3	QPSK	8	0	17.91	18.17	18.03	19.5	0
3	QPSK	8	4	17.83	18.31	18.19		
3	QPSK	8	7	18.26	18.10	18.03		
3	QPSK	15	0	18.02	18.03	17.87		
3	16QAM	1	0	17.94	18.03	18.31	19.5	0
3	16QAM	1	8	17.97	17.87	18.13		
3	16QAM	1	14	18.15	18.14	18.01		
3	16QAM	8	0	18.14	18.13	18.17	19.5	0
3	16QAM	8	4	17.92	18.25	18.09		
3	16QAM	8	7	17.89	18.09	18.05		
3	16QAM	15	0	18.10	18.20	18.10		
3	64QAM	1	0	17.92	17.96	18.37	19.5	0
3	64QAM	1	8	18.17	18.04	18.30		
3	64QAM	1	14	18.09	18.13	18.16		
3	64QAM	8	0	18.10	18.21	18.09	19.5	0
3	64QAM	8	4	17.87	17.89	18.26		
3	64QAM	8	7	17.88	18.08	17.84		
3	64QAM	15	0	18.13	18.02	18.36		
3	256QAM	1	0	18.10	18.10	18.08	19.5	0
3	256QAM	1	8	18.23	18.21	18.09		
3	256QAM	1	14	18.11	18.08	18.15		
3	256QAM	8	0	18.21	17.93	18.03	19.5	0
3	256QAM	8	4	18.22	18.19	18.11		
3	256QAM	8	7	18.21	18.23	18.27		
3	256QAM	15	0	18.06	18.02	18.26		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.20	18.24	18.23	19.5	0
1.4	QPSK	1	3	18.09	18.07	18.09		
1.4	QPSK	1	5	18.24	18.22	18.25		
1.4	QPSK	3	0	17.99	18.23	18.13		
1.4	QPSK	3	1	17.91	18.28	18.11		
1.4	QPSK	3	3	18.31	18.04	18.04		
1.4	QPSK	6	0	18.06	17.99	17.88	19.5	0
1.4	16QAM	1	0	17.90	17.92	18.14	19.5	0
1.4	16QAM	1	3	17.98	17.99	18.28		
1.4	16QAM	1	5	18.14	18.19	18.09		
1.4	16QAM	3	0	18.14	18.14	18.11		
1.4	16QAM	3	1	18.05	18.08	18.03		
1.4	16QAM	3	3	18.05	18.15	18.09		
1.4	16QAM	6	0	18.13	18.31	18.14	19.5	0
1.4	64QAM	1	0	17.96	18.14	18.17	19.5	0
1.4	64QAM	1	3	18.01	18.00	18.28		
1.4	64QAM	1	5	18.24	18.02	18.11		
1.4	64QAM	3	0	18.14	18.13	18.05		
1.4	64QAM	3	1	18.06	17.96	18.13		
1.4	64QAM	3	3	17.92	18.03	17.86		
1.4	64QAM	6	0	17.97	17.86	18.14	19.5	0
1.4	256QAM	1	0	18.13	18.18	18.06	19.5	0
1.4	256QAM	1	3	18.19	18.15	18.25		
1.4	256QAM	1	5	18.09	18.12	18.16		
1.4	256QAM	3	0	18.14	18.12	18.07		
1.4	256QAM	3	1	18.07	18.11	18.12		
1.4	256QAM	3	3	18.26	18.32	18.13		
1.4	256QAM	6	0	18.01	18.23	18.19	19.5	0

Band 38 Ant2 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.20	18.30	18.14	19.5	0
20	QPSK	1	49	18.13	18.19	18.15		
20	QPSK	1	99	18.12	18.13	18.14		
20	QPSK	50	0	18.04	18.26	18.17	19.5	0
20	QPSK	50	24	17.75	18.17	18.11		
20	QPSK	50	50	18.23	18.01	18.08		
20	QPSK	100	0	17.87	18.00	17.96		
20	16QAM	1	0	18.04	18.07	18.20	19.5	0
20	16QAM	1	49	17.87	18.00	18.18		
20	16QAM	1	99	18.18	18.19	18.04		
20	16QAM	50	0	18.19	18.16	18.29	19.5	0
20	16QAM	50	24	18.13	18.21	17.88		
20	16QAM	50	50	17.87	18.08	17.99		
20	16QAM	100	0	18.04	18.28	18.28		
20	64QAM	1	0	17.94	18.20	18.19	19.5	0
20	64QAM	1	49	18.04	18.09	18.14		
20	64QAM	1	99	18.24	18.07	18.17		
20	64QAM	50	0	18.13	18.24	17.92	19.5	0
20	64QAM	50	24	18.08	17.88	18.26		
20	64QAM	50	50	18.09	17.91	17.93		
20	64QAM	100	0	17.98	17.98	18.23		
20	256QAM	1	0	18.06	18.20	18.05	19.5	0
20	256QAM	1	49	18.28	18.23	18.12		
20	256QAM	1	99	17.96	18.15	18.26		
20	256QAM	50	0	18.03	18.01	18.23	19.5	0
20	256QAM	50	24	18.20	18.13	18.23		
20	256QAM	50	50	18.13	18.23	18.09		
20	256QAM	100	0	18.02	18.12	18.22		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.13	18.19	18.16	19.5	0
15	QPSK	1	37	18.23	18.01	18.05		
15	QPSK	1	74	18.12	18.11	18.13		
15	QPSK	36	0	17.91	18.29	18.04	19.5	0
15	QPSK	36	20	17.82	18.25	18.17		
15	QPSK	36	39	18.21	18.06	18.03		
15	QPSK	75	0	18.08	18.06	17.91		
15	16QAM	1	0	18.03	17.87	18.21	19.5	0
15	16QAM	1	37	17.89	18.05	18.11		
15	16QAM	1	74	18.05	18.24	18.07		
15	16QAM	36	0	18.16	18.25	18.08	19.5	0
15	16QAM	36	20	17.97	18.17	18.06		
15	16QAM	36	39	17.90	18.13	18.09		
15	16QAM	75	0	18.03	18.14	18.23		
15	64QAM	1	0	18.15	18.17	18.17	19.5	0
15	64QAM	1	37	18.08	17.95	18.13		
15	64QAM	1	74	18.21	18.02	18.22		
15	64QAM	36	0	18.04	18.16	17.97	19.5	0
15	64QAM	36	20	18.05	18.03	18.21		
15	64QAM	36	39	18.09	18.04	17.88		
15	64QAM	75	0	18.14	17.87	18.16		
15	256QAM	1	0	18.26	18.02	18.01	19.5	0
15	256QAM	1	37	18.22	18.19	18.02		
15	256QAM	1	74	18.03	18.09	18.12		
15	256QAM	36	0	18.12	18.06	18.09	19.5	0
15	256QAM	36	20	18.10	18.01	18.18		
15	256QAM	36	39	18.16	18.27	18.12		
15	256QAM	75	0	17.98	18.03	18.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.26	18.22	18.07	19.5	0
10	QPSK	1	25	18.16	18.03	18.22		
10	QPSK	1	49	18.11	18.16	18.07		
10	QPSK	25	0	18.09	18.21	18.10	19.5	0
10	QPSK	25	12	17.87	18.28	18.22		
10	QPSK	25	25	18.18	18.07	17.99		
10	QPSK	50	0	17.95	18.04	17.91		
10	16QAM	1	0	17.99	18.05	18.27	19.5	0
10	16QAM	1	25	17.96	17.91	18.21		
10	16QAM	1	49	18.09	18.22	17.95		
10	16QAM	25	0	18.16	18.17	18.17	19.5	0
10	16QAM	25	12	17.96	18.04	18.03		
10	16QAM	25	25	17.86	17.98	18.04		
10	16QAM	50	0	18.14	18.17	18.15		
10	64QAM	1	0	18.01	18.01	18.17	19.5	0
10	64QAM	1	25	18.13	18.01	18.16		
10	64QAM	1	49	18.25	18.09	18.24		
10	64QAM	25	0	18.15	18.01	18.02	19.5	0
10	64QAM	25	12	17.99	17.98	18.17		
10	64QAM	25	25	18.03	18.00	17.94		
10	64QAM	50	0	18.07	17.94	18.22		
10	256QAM	1	0	18.24	17.97	18.16	19.5	0
10	256QAM	1	25	18.19	18.15	18.01		
10	256QAM	1	49	17.98	18.09	18.20		
10	256QAM	25	0	18.13	18.07	18.11	19.5	0
10	256QAM	25	12	18.21	18.17	18.10		
10	256QAM	25	25	18.21	18.21	18.13		
10	256QAM	50	0	18.18	18.00	18.26		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.21	18.26	18.04	19.5	0
5	QPSK	1	12	18.20	18.18	18.15		
5	QPSK	1	24	18.21	18.18	18.20		
5	QPSK	12	0	17.89	18.17	18.12	19.5	0
5	QPSK	12	7	17.89	18.15	18.19		
5	QPSK	12	13	18.22	17.93	17.95		
5	QPSK	25	0	17.93	18.05	17.87		
5	16QAM	1	0	17.98	18.04	18.21	19.5	0
5	16QAM	1	12	17.93	17.87	18.08		
5	16QAM	1	24	18.20	18.12	18.08		
5	16QAM	12	0	18.20	18.19	18.28	19.5	0
5	16QAM	12	7	18.06	18.14	18.10		
5	16QAM	12	13	17.90	18.06	17.94		
5	16QAM	25	0	18.14	18.26	18.26		
5	64QAM	1	0	17.95	18.06	18.23	19.5	0
5	64QAM	1	12	18.09	17.94	18.11		
5	64QAM	1	24	18.22	18.10	18.07		
5	64QAM	12	0	18.07	18.07	18.08	19.5	0
5	64QAM	12	7	17.91	18.04	18.14		
5	64QAM	12	13	18.04	17.93	18.04		
5	64QAM	25	0	18.07	17.90	18.21		
5	256QAM	1	0	18.12	18.10	18.18	19.5	0
5	256QAM	1	12	18.21	18.08	18.10		
5	256QAM	1	24	18.03	18.10	18.19		
5	256QAM	12	0	18.16	18.14	18.21	19.5	0
5	256QAM	12	7	18.10	18.05	18.03		
5	256QAM	12	13	18.27	18.27	18.17		
5	256QAM	25	0	18.08	18.01	18.20		

Band 41 Ant2 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.35	18.21	18.37	18.23	18.16	19.5	0
20	QPSK	1	49	18.10	18.06	18.19	17.89	18.02		
20	QPSK	1	99	18.23	18.23	18.21	18.20	18.17		
20	QPSK	50	0	18.00	18.31	18.34	18.19	18.24	19.5	0
20	QPSK	50	24	17.89	18.16	18.12	18.14	18.21		
20	QPSK	50	50	18.15	18.13	18.21	17.77	17.79		
20	QPSK	100	0	18.11	18.13	18.21	17.95	18.00		
20	16QAM	1	0	17.99	18.02	18.31	18.01	17.70	19.5	0
20	16QAM	1	49	17.99	17.89	18.35	17.97	17.82		
20	16QAM	1	99	18.09	18.32	18.16	18.19	18.16		
20	16QAM	50	0	18.13	18.26	18.22	18.02	17.94	19.5	0
20	16QAM	50	24	18.08	18.12	18.21	18.14	18.02		
20	16QAM	50	50	18.07	17.92	18.13	18.10	18.11		
20	16QAM	100	0	18.09	18.10	18.35	18.19	18.16		
20	64QAM	1	0	18.02	18.15	18.16	17.94	18.06	19.5	0
20	64QAM	1	49	18.13	17.95	18.20	17.90	17.75		
20	64QAM	1	99	18.25	18.06	18.27	17.98	17.92		
20	64QAM	50	0	18.26	18.02	18.19	18.16	17.88	19.5	0
20	64QAM	50	24	18.02	18.04	18.28	17.96	18.00		
20	64QAM	50	50	17.95	18.00	17.99	18.03	17.75		
20	64QAM	100	0	18.07	18.04	18.29	17.96	17.72		
20	256QAM	1	0	18.23	18.20	18.17	18.02	17.86	19.5	0
20	256QAM	1	49	18.25	18.09	18.19	18.09	18.20		
20	256QAM	1	99	17.92	18.10	18.16	18.09	17.87		
20	256QAM	50	0	18.16	18.03	18.20	17.82	18.03	19.5	0
20	256QAM	50	24	18.15	18.03	18.28	18.02	17.95		
20	256QAM	50	50	18.18	18.17	18.25	18.25	18.12		
20	256QAM	100	0	18.00	18.03	18.27	17.90	18.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.92	17.80	18.13	17.78	17.85	20	0
15	QPSK	1	37	17.77	17.65	17.89	17.50	17.80		
15	QPSK	1	74	18.03	17.92	17.84	17.89	17.94		
15	QPSK	36	0	17.65	17.79	17.81	17.70	17.72	19.5	0
15	QPSK	36	20	17.71	17.82	17.84	17.74	17.96		
15	QPSK	36	39	17.86	17.82	18.04	17.95	17.97		
15	QPSK	75	0	17.61	17.84	17.84	17.61	17.78		
15	16QAM	1	0	17.84	17.72	17.98	17.89	17.81	19.5	0
15	16QAM	1	37	17.67	17.74	17.97	17.65	17.75		
15	16QAM	1	74	17.89	17.72	17.89	17.60	17.51		
15	16QAM	36	0	17.89	17.65	17.92	17.58	17.52	19.5	0
15	16QAM	36	20	17.79	17.81	17.97	17.72	17.82		
15	16QAM	36	39	17.83	17.71	17.92	17.76	17.83		
15	16QAM	75	0	17.70	17.90	18.02	17.94	17.85		
15	64QAM	1	0	17.62	17.75	17.75	17.61	17.78	19.5	0
15	64QAM	1	37	17.85	17.75	18.12	17.93	17.76		
15	64QAM	1	74	17.75	17.77	17.82	17.63	17.70		
15	64QAM	36	0	17.86	17.69	18.00	17.52	17.51	19.5	0
15	64QAM	36	20	17.82	17.80	17.93	17.71	17.67		
15	64QAM	36	39	17.63	17.68	17.77	17.82	17.50		
15	64QAM	75	0	17.90	17.85	18.09	17.78	17.76		
15	256QAM	1	0	17.83	17.89	18.03	17.87	17.74	19.5	0
15	256QAM	1	37	17.74	17.95	17.79	17.55	17.73		
15	256QAM	1	74	17.81	17.73	17.81	17.62	17.60		
15	256QAM	36	0	17.91	17.74	17.78	17.57	17.78	19.5	0
15	256QAM	36	20	17.75	17.73	17.98	17.84	17.72		
15	256QAM	36	39	18.00	17.86	17.87	18.02	17.76		
15	256QAM	75	0	17.75	17.62	18.01	17.68	17.73		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.88	18.01	18.11	17.75	17.77	20	0
10	QPSK	1	25	17.83	17.76	17.91	17.57	17.72		
10	QPSK	1	49	17.94	17.92	17.90	17.84	17.96		
10	QPSK	25	0	17.74	17.87	18.08	17.96	17.83	19.5	0
10	QPSK	25	12	17.68	17.91	17.90	17.59	17.69		
10	QPSK	25	25	17.74	17.91	18.09	17.80	17.86		
10	QPSK	50	0	17.71	17.95	17.74	17.67	17.76		
10	16QAM	1	0	17.87	17.80	18.03	17.94	17.97	19.5	0
10	16QAM	1	25	17.64	17.77	17.80	17.66	17.80		
10	16QAM	1	49	17.82	18.12	17.81	17.86	17.83		
10	16QAM	25	0	17.94	18.00	17.88	17.61	17.63	19.5	0
10	16QAM	25	12	17.72	17.78	17.93	17.76	17.80		
10	16QAM	25	25	17.87	17.58	17.73	17.77	17.87		
10	16QAM	50	0	17.77	17.88	18.10	17.78	17.95		
10	64QAM	1	0	17.62	17.82	17.79	17.68	17.86	19.5	0
10	64QAM	1	25	17.87	17.82	17.99	17.85	17.80		
10	64QAM	1	49	17.80	17.96	17.76	17.66	17.72		
10	64QAM	25	0	18.06	17.79	17.84	17.83	17.51	19.5	0
10	64QAM	25	12	17.77	17.72	17.96	17.68	17.74		
10	64QAM	25	25	17.83	17.80	18.15	17.79	17.94		
10	64QAM	50	0	17.76	17.86	17.80	17.58	17.83		
10	256QAM	1	0	18.02	17.82	17.85	17.72	17.68	19.5	0
10	256QAM	1	25	17.88	17.85	17.90	17.89	17.85		
10	256QAM	1	49	17.71	17.73	17.99	17.94	17.86		
10	256QAM	25	0	17.75	17.84	17.96	17.73	17.86	19.5	0
10	256QAM	25	12	17.77	17.71	18.10	17.77	17.56		
10	256QAM	25	25	17.91	17.92	17.83	18.06	17.76		
10	256QAM	50	0	17.69	17.62	17.96	17.52	17.68		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.92	17.84	18.06	17.91	17.82	20	0
5	QPSK	1	12	17.77	17.68	17.81	17.59	17.65		
5	QPSK	1	24	18.00	17.96	17.85	17.93	17.79		
5	QPSK	12	0	17.68	17.96	17.89	17.87	17.72	19.5	0
5	QPSK	12	7	17.65	17.86	17.88	17.81	18.02		
5	QPSK	12	13	17.81	17.87	18.14	17.82	17.96		
5	QPSK	25	0	17.63	17.83	17.76	17.63	17.87		
5	16QAM	1	0	17.80	17.84	17.96	17.87	17.76	19.5	0
5	16QAM	1	12	17.69	17.90	17.81	17.53	17.78		
5	16QAM	1	24	17.76	18.02	17.81	17.97	17.95		
5	16QAM	12	0	17.93	17.94	18.04	17.67	17.63	19.5	0
5	16QAM	12	7	17.68	17.78	18.02	17.91	17.64		
5	16QAM	12	13	17.85	17.52	17.72	17.91	17.80		
5	16QAM	25	0	17.69	17.81	18.07	17.78	17.90		
5	64QAM	1	0	17.62	17.93	17.86	17.64	17.86	19.5	0
5	64QAM	1	12	17.94	17.59	17.79	17.66	17.56		
5	64QAM	1	24	17.94	17.78	17.97	17.76	17.68		
5	64QAM	12	0	18.07	17.62	17.83	17.87	17.58	19.5	0
5	64QAM	12	7	17.71	17.75	17.96	17.65	17.78		
5	64QAM	12	13	17.89	17.75	17.94	17.78	17.75		
5	64QAM	25	0	17.84	17.91	17.87	17.59	17.76		
5	256QAM	1	0	17.90	17.92	17.95	17.61	17.58	19.5	0
5	256QAM	1	12	18.03	17.74	17.80	17.75	18.02		
5	256QAM	1	24	17.74	17.77	17.86	17.87	17.64		
5	256QAM	12	0	17.89	17.74	17.95	17.77	17.84	19.5	0
5	256QAM	12	7	17.65	17.84	17.90	17.65	17.79		
5	256QAM	12	13	17.88	17.83	17.95	18.02	17.76		
5	256QAM	25	0	17.69	17.82	18.01	17.68	17.63		

	GSM1900 Ant3 DSI1							
GSM1900 Ant3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	29.55	29.27	31.00	20.42	20.55	20.27	22.00
GPRS 1 Tx slot	29.52	29.57	29.38	31.00	20.52	20.57	20.38	22.00
GPRS 2 Tx slots	26.03	26.08	26.34	28.00	20.03	20.08	20.34	22.00
GPRS 3 Tx slots	24.57	24.53	24.32	26.20	20.31	20.27	20.06	21.94
GPRS 4 Tx slots	23.42	23.46	23.25	25.00	20.42	20.46	20.25	22.00
EDGE 1 Tx slot	25.01	25.18	25.04	26.50	16.01	16.18	16.04	17.50
EDGE 2 Tx slots	22.37	22.54	22.17	23.50	16.37	16.54	16.17	17.50
EDGE 3 Tx slots	21.10	21.13	21.05	21.70	16.84	16.87	16.79	17.44
EDGE 4 Tx slots	19.27	19.25	19.25	20.50	16.27	16.25	16.25	17.50

		WCDMA II Ant3 DSI1			目標: 23	WCDMA IV Ant3 DSI1			目標: 23
Band		WCDMA II Ant3			Tune-up Limit (dBm)	WCDMA IV Ant3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.54	22.64	22.61	24.00	23.05	23.09	22.98	24.50
3GPP Rel 99	RMC 12.2Kbps	22.62	22.67	22.62	24.00	23.08	23.11	23.04	24.50
3GPP Rel 6	HSDPA Subtest-1	21.64	21.65	21.65	23.00	22.12	22.22	22.12	23.00
3GPP Rel 6	HSDPA Subtest-2	21.53	21.58	21.58	23.00	22.14	22.11	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.09	21.20	21.10	22.50	21.59	21.65	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.04	21.12	21.14	22.50	21.55	21.62	21.61	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.62	21.67	21.58	23.00	22.11	22.11	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.45	21.53	21.55	23.00	21.98	22.11	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.95	21.17	21.05	22.50	21.45	21.70	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.91	21.12	21.01	22.50	21.37	21.53	21.59	22.50
3GPP Rel 6	HSUPA Subtest-1	21.40	21.56	21.52	23.00	21.90	22.02	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	19.62	19.71	19.64	21.00	20.04	20.16	20.15	21.00
3GPP Rel 6	HSUPA Subtest-3	20.62	20.76	20.76	22.00	21.10	21.20	21.23	22.00
3GPP Rel 6	HSUPA Subtest-4	19.52	19.60	19.49	21.00	20.06	20.06	20.05	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.65	21.55	23.00	21.95	22.15	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.17	19.21	19.23	20.50	19.61	19.71	19.63	20.50

Band 2 Ant3 DSI1 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.33	23.45	23.29	25	0
20	QPSK	1	49	23.39	23.29	23.30		
20	QPSK	1	99	23.26	23.32	23.12		
20	QPSK	50	0	22.08	22.33	22.10	24	1
20	QPSK	50	24	22.18	22.28	22.13		
20	QPSK	50	50	22.23	22.06	22.20		
20	QPSK	100	0	22.10	22.25	22.24		
20	16QAM	1	0	22.38	22.36	22.23	24	1
20	16QAM	1	49	22.33	22.36	22.36		
20	16QAM	1	99	22.24	22.27	22.32		
20	16QAM	50	0	21.17	21.21	21.15	23	2
20	16QAM	50	24	21.06	21.10	21.21		
20	16QAM	50	50	21.27	21.07	21.14		
20	16QAM	100	0	21.13	21.10	21.06		
20	64QAM	1	0	21.37	21.28	21.32	23	2
20	64QAM	1	49	21.20	21.22	21.04		
20	64QAM	1	99	21.17	21.13	21.19		
20	64QAM	50	0	20.14	20.24	20.33	22	3
20	64QAM	50	24	20.11	20.21	20.24		
20	64QAM	50	50	20.14	20.23	20.09		
20	64QAM	100	0	20.09	20.14	20.09		
20	256QAM	1	0	18.23	18.39	18.36	20	5
20	256QAM	1	49	18.39	18.43	18.31		
20	256QAM	1	99	18.22	18.28	18.29		
20	256QAM	50	0	18.22	18.43	18.18	20	5
20	256QAM	50	24	18.13	18.18	18.25		
20	256QAM	50	50	18.26	18.30	18.17		
20	256QAM	100	0	18.16	18.15	18.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.20	23.21	23.37	25	0
15	QPSK	1	37	23.30	23.35	23.26		
15	QPSK	1	74	23.15	23.41	23.14		
15	QPSK	36	0	22.19	22.30	22.05	24	1
15	QPSK	36	20	22.12	22.28	22.18		
15	QPSK	36	39	22.05	22.04	22.17		
15	QPSK	75	0	22.19	22.33	22.11		
15	16QAM	1	0	22.31	22.54	22.40	24	1
15	16QAM	1	37	22.41	22.39	22.35		
15	16QAM	1	74	22.17	22.33	22.35		
15	16QAM	36	0	21.11	21.20	21.07	23	2
15	16QAM	36	20	21.14	21.08	21.07		
15	16QAM	36	39	21.13	21.28	21.24		
15	16QAM	75	0	21.24	21.20	21.14		
15	64QAM	1	0	21.30	21.36	21.27	23	2
15	64QAM	1	37	21.20	21.19	21.15		
15	64QAM	1	74	21.11	21.20	21.25		
15	64QAM	36	0	20.22	20.42	20.35	22	3
15	64QAM	36	20	20.15	20.24	20.04		
15	64QAM	36	39	20.22	20.34	20.17		
15	64QAM	75	0	20.06	20.14	20.09		
15	256QAM	1	0	18.30	18.31	18.43	20	5
15	256QAM	1	37	18.30	18.28	18.29		
15	256QAM	1	74	18.39	18.31	18.20		
15	256QAM	36	0	18.14	18.19	18.12	20	5
15	256QAM	36	20	18.22	18.23	18.11		
15	256QAM	36	39	18.06	18.23	18.16		
15	256QAM	75	0	18.16	18.26	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.43	23.31	23.33	25	0
10	QPSK	1	25	23.25	23.29	23.18		
10	QPSK	1	49	23.29	23.26	23.21		
10	QPSK	25	0	22.11	22.28	22.22	24	1
10	QPSK	25	12	22.05	22.14	22.15		
10	QPSK	25	25	22.02	22.20	22.18		
10	QPSK	50	0	22.22	22.18	22.19		
10	16QAM	1	0	22.42	22.46	22.30	24	1
10	16QAM	1	25	22.31	22.42	22.40		
10	16QAM	1	49	22.23	22.36	22.20		
10	16QAM	25	0	21.08	21.14	21.18	23	2
10	16QAM	25	12	21.04	21.11	21.09		
10	16QAM	25	25	21.08	21.24	21.26		
10	16QAM	50	0	21.17	21.11	21.19		
10	64QAM	1	0	21.38	21.37	21.21	23	2
10	64QAM	1	25	21.23	21.29	21.25		
10	64QAM	1	49	21.14	21.19	21.09		
10	64QAM	25	0	20.24	20.18	20.16	22	3
10	64QAM	25	12	20.14	20.16	20.16		
10	64QAM	25	25	20.16	20.22	20.12		
10	64QAM	50	0	20.12	20.32	20.07		
10	256QAM	1	0	18.23	18.50	18.37	20	5
10	256QAM	1	25	18.32	18.42	18.27		
10	256QAM	1	49	18.37	18.40	18.25		
10	256QAM	25	0	18.22	18.24	18.22	20	5
10	256QAM	25	12	18.13	18.26	18.21		
10	256QAM	25	25	18.16	18.21	18.20		
10	256QAM	50	0	18.27	18.13	18.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.43	23.32	23.41	25	0
5	QPSK	1	12	23.40	23.31	23.39		
5	QPSK	1	24	23.36	23.44	23.19		
5	QPSK	12	0	22.26	22.20	22.10	24	1
5	QPSK	12	7	22.09	22.27	22.26		
5	QPSK	12	13	22.18	22.06	22.23		
5	QPSK	25	0	22.22	22.24	22.10		
5	16QAM	1	0	22.39	22.47	22.37	24	1
5	16QAM	1	12	22.25	22.47	22.28		
5	16QAM	1	24	22.33	22.25	22.33		
5	16QAM	12	0	21.12	21.29	21.20	23	2
5	16QAM	12	7	21.03	21.06	21.08		
5	16QAM	12	13	21.26	21.11	21.27		
5	16QAM	25	0	21.30	21.17	21.12		
5	64QAM	1	0	21.38	21.29	21.26	23	2
5	64QAM	1	12	21.30	21.32	21.04		
5	64QAM	1	24	21.06	21.19	21.12		
5	64QAM	12	0	20.06	20.35	20.21	22	3
5	64QAM	12	7	20.11	20.27	20.06		
5	64QAM	12	13	20.13	20.37	20.22		
5	64QAM	25	0	20.15	20.24	20.24		
5	256QAM	1	0	18.22	18.43	18.30	20	5
5	256QAM	1	12	18.40	18.42	18.34		
5	256QAM	1	24	18.35	18.27	18.28		
5	256QAM	12	0	18.14	18.40	18.24	20	5
5	256QAM	12	7	18.16	18.29	18.11		
5	256QAM	12	13	18.15	18.37	18.20		
5	256QAM	25	0	18.08	18.26	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.32	23.40	23.35	25	0
3	QPSK	1	8	23.25	23.31	23.17		
3	QPSK	1	14	23.37	23.28	23.16		
3	QPSK	8	0	22.21	22.20	22.18	24	1
3	QPSK	8	4	22.06	22.29	22.17		
3	QPSK	8	7	22.06	22.19	22.17		
3	QPSK	15	0	22.18	22.15	22.11		
3	16QAM	1	0	22.47	22.38	22.27	24	1
3	16QAM	1	8	22.28	22.41	22.42		
3	16QAM	1	14	22.19	22.44	22.31		
3	16QAM	8	0	21.18	21.28	21.15	23	2
3	16QAM	8	4	21.09	21.22	21.16		
3	16QAM	8	7	21.18	21.17	21.27		
3	16QAM	15	0	21.16	21.14	21.10		
3	64QAM	1	0	21.19	21.24	21.22	23	2
3	64QAM	1	8	21.35	21.21	21.10		
3	64QAM	1	14	21.10	21.20	21.27		
3	64QAM	8	0	20.13	20.28	20.22	22	3
3	64QAM	8	4	20.24	20.16	20.23		
3	64QAM	8	7	20.18	20.15	20.19		
3	64QAM	15	0	20.22	20.22	20.13		
3	256QAM	1	0	18.41	18.34	18.32	20	5
3	256QAM	1	8	18.43	18.36	18.27		
3	256QAM	1	14	18.19	18.33	18.29		
3	256QAM	8	0	18.22	18.35	18.28	20	5
3	256QAM	8	4	18.15	18.31	18.13		
3	256QAM	8	7	18.15	18.25	18.08		
3	256QAM	15	0	18.26	18.11	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.27	23.35	23.30	25	0
1.4	QPSK	1	3	23.24	23.31	23.21		
1.4	QPSK	1	5	23.23	23.30	23.15		
1.4	QPSK	3	0	23.30	23.40	23.31		
1.4	QPSK	3	1	23.36	23.27	23.10		
1.4	QPSK	3	3	23.15	23.40	23.06		
1.4	QPSK	6	0	22.29	22.38	22.29	24	1
1.4	16QAM	1	0	22.27	22.39	22.39	24	1
1.4	16QAM	1	3	22.28	22.40	22.14		
1.4	16QAM	1	5	22.26	22.52	22.33		
1.4	16QAM	3	0	22.28	22.29	22.15		
1.4	16QAM	3	1	22.15	22.28	22.27		
1.4	16QAM	3	3	22.15	22.30	22.26		
1.4	16QAM	6	0	21.26	21.27	21.17	23	2
1.4	64QAM	1	0	21.36	21.36	21.03	23	2
1.4	64QAM	1	3	21.20	21.18	21.19		
1.4	64QAM	1	5	21.13	21.26	21.34		
1.4	64QAM	3	0	21.14	21.30	21.39		
1.4	64QAM	3	1	21.29	21.19	21.15		
1.4	64QAM	3	3	21.08	21.14	21.09		
1.4	64QAM	6	0	20.26	20.26	20.09	22	3
1.4	256QAM	1	0	18.31	18.36	18.23	20	5
1.4	256QAM	1	3	18.32	18.30	18.33		
1.4	256QAM	1	5	18.25	18.17	18.16		
1.4	256QAM	3	0	18.35	18.29	18.28		
1.4	256QAM	3	1	18.35	18.24	18.43		
1.4	256QAM	3	3	18.17	18.43	18.14		
1.4	256QAM	6	0	18.33	18.35	18.39	20	5

Band 4 Ant3 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.27	23.38	23.25	25	0
20	QPSK	1	49	23.20	23.30	23.19		
20	QPSK	1	99	23.15	23.25	23.10		
20	QPSK	50	0	22.05	22.17	22.06	24	1
20	QPSK	50	24	22.05	22.11	22.06		
20	QPSK	50	50	22.01	22.06	22.02		
20	QPSK	100	0	22.02	22.15	22.07		
20	16QAM	1	0	22.30	22.37	22.23	24	1
20	16QAM	1	49	22.24	22.31	22.20		
20	16QAM	1	99	22.15	22.27	22.15		
20	16QAM	50	0	21.05	21.13	21.08	23	2
20	16QAM	50	24	21.02	21.05	21.03		
20	16QAM	50	50	21.05	21.09	21.07		
20	16QAM	100	0	21.09	21.11	21.00		
20	64QAM	1	0	21.18	21.25	21.20	23	2
20	64QAM	1	49	21.15	21.19	21.05		
20	64QAM	1	99	21.02	21.15	21.10		
20	64QAM	50	0	20.07	20.20	20.14	22	3
20	64QAM	50	24	20.04	20.11	20.02		
20	64QAM	50	50	20.05	20.16	20.07		
20	64QAM	100	0	20.06	20.14	20.06		
20	256QAM	1	0	18.23	18.33	18.22	20	5
20	256QAM	1	49	18.24	18.30	18.22		
20	256QAM	1	99	18.18	18.25	18.19		
20	256QAM	50	0	18.07	18.21	18.13	20	5
20	256QAM	50	24	18.03	18.11	18.03		
20	256QAM	50	50	18.05	18.17	18.10		
20	256QAM	100	0	18.06	18.10	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.28	23.34	23.30	25	0
15	QPSK	1	37	23.18	23.31	23.21		
15	QPSK	1	74	23.10	23.17	23.16		
15	QPSK	36	0	22.25	22.18	22.15	24	1
15	QPSK	36	20	22.28	22.06	22.18		
15	QPSK	36	39	22.20	22.11	22.10		
15	QPSK	75	0	22.25	22.10	22.15		
15	16QAM	1	0	22.22	22.35	22.26	24	1
15	16QAM	1	37	22.23	22.30	22.24		
15	16QAM	1	74	22.13	22.18	22.25		
15	16QAM	36	0	21.03	21.11	21.12	23	2
15	16QAM	36	20	21.02	21.06	21.06		
15	16QAM	36	39	21.04	21.08	21.17		
15	16QAM	75	0	21.07	21.07	21.07		
15	64QAM	1	0	21.09	21.16	21.32	23	2
15	64QAM	1	37	21.12	21.21	21.12		
15	64QAM	1	74	21.06	21.09	21.19		
15	64QAM	36	0	20.03	20.20	20.16	22	3
15	64QAM	36	20	20.07	20.12	20.08		
15	64QAM	36	39	20.12	20.16	20.10		
15	64QAM	75	0	20.00	20.15	20.12		
15	256QAM	1	0	18.21	18.30	18.28	20	5
15	256QAM	1	37	18.21	18.23	18.29		
15	256QAM	1	74	18.15	18.16	18.24		
15	256QAM	36	0	18.08	18.14	18.18	20	5
15	256QAM	36	20	18.01	18.01	18.07		
15	256QAM	36	39	18.07	18.17	18.10		
15	256QAM	75	0	18.06	18.08	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.18	23.35	23.32	25	0
10	QPSK	1	25	23.22	23.22	23.23		
10	QPSK	1	49	23.07	23.22	23.21		
10	QPSK	25	0	22.04	22.11	22.16	24	1
10	QPSK	25	12	22.06	22.07	22.15		
10	QPSK	25	25	22.02	22.08	22.08		
10	QPSK	50	0	22.09	22.11	22.13		
10	16QAM	1	0	22.36	22.30	22.32	24	1
10	16QAM	1	25	22.26	22.33	22.21		
10	16QAM	1	49	22.21	22.17	22.22		
10	16QAM	25	0	21.10	21.07	21.19	23	2
10	16QAM	25	12	21.06	21.07	21.06		
10	16QAM	25	25	21.04	21.02	21.11		
10	16QAM	50	0	21.02	21.04	21.09		
10	64QAM	1	0	21.13	21.19	21.20	23	2
10	64QAM	1	25	21.15	21.13	21.09		
10	64QAM	1	49	21.01	21.06	21.17		
10	64QAM	25	0	20.07	20.19	20.17	22	3
10	64QAM	25	12	20.13	20.04	20.13		
10	64QAM	25	25	20.10	20.08	20.13		
10	64QAM	50	0	20.12	20.16	20.07		
10	256QAM	1	0	18.28	18.32	18.26	20	5
10	256QAM	1	25	18.30	18.21	18.31		
10	256QAM	1	49	18.14	18.26	18.25		
10	256QAM	25	0	18.07	18.23	18.16	20	5
10	256QAM	25	12	18.02	18.05	18.05		
10	256QAM	25	25	18.06	18.15	18.17		
10	256QAM	50	0	18.04	18.05	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.18	23.29	23.28	25	0
5	QPSK	1	12	23.16	23.30	23.31		
5	QPSK	1	24	23.14	23.27	23.20		
5	QPSK	12	0	22.02	22.09	22.17	24	1
5	QPSK	12	7	22.07	22.09	22.16		
5	QPSK	12	13	22.04	22.16	22.12		
5	QPSK	25	0	22.03	22.07	22.08		
5	16QAM	1	0	22.31	22.27	22.33	24	1
5	16QAM	1	12	22.16	22.33	22.23		
5	16QAM	1	24	22.10	22.19	22.23		
5	16QAM	12	0	21.03	21.04	21.12	23	2
5	16QAM	12	7	21.01	21.17	21.10		
5	16QAM	12	13	21.04	21.08	21.10		
5	16QAM	25	0	21.09	21.04	21.11		
5	64QAM	1	0	21.20	21.25	21.25	23	2
5	64QAM	1	12	21.06	21.14	21.15		
5	64QAM	1	24	21.08	21.09	21.20		
5	64QAM	12	0	20.04	20.15	20.23	22	3
5	64QAM	12	7	20.05	20.01	20.13		
5	64QAM	12	13	20.04	20.11	20.16		
5	64QAM	25	0	20.04	20.09	20.12		
5	256QAM	1	0	18.22	18.33	18.24	20	5
5	256QAM	1	12	18.24	18.25	18.22		
5	256QAM	1	24	18.20	18.23	18.29		
5	256QAM	12	0	18.08	18.22	18.17	20	5
5	256QAM	12	7	18.05	18.10	18.09		
5	256QAM	12	13	18.00	18.12	18.15		
5	256QAM	25	0	18.07	18.11	18.10		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.22	23.35	23.30	25	0
3	QPSK	1	8	23.21	23.23	23.28		
3	QPSK	1	14	23.06	23.12	23.26		
3	QPSK	8	0	22.20	22.10	22.17	24	1
3	QPSK	8	4	22.22	22.12	22.07		
3	QPSK	8	7	22.20	22.10	22.02		
3	QPSK	15	0	22.26	22.16	22.07		
3	16QAM	1	0	22.35	22.25	22.36	24	1
3	16QAM	1	8	22.39	22.29	22.30		
3	16QAM	1	14	22.26	22.16	22.18		
3	16QAM	8	0	21.21	21.11	21.10	23	2
3	16QAM	8	4	21.18	21.08	21.00		
3	16QAM	8	7	21.24	21.14	21.08		
3	16QAM	15	0	21.13	21.03	21.09		
3	64QAM	1	0	21.31	21.21	21.16	23	2
3	64QAM	1	8	21.16	21.06	21.12		
3	64QAM	1	14	21.30	21.20	21.13		
3	64QAM	8	0	20.36	20.26	20.15	22	3
3	64QAM	8	4	20.20	20.10	20.13		
3	64QAM	8	7	20.21	20.11	20.15		
3	64QAM	15	0	20.21	20.11	20.08		
3	256QAM	1	0	18.40	18.30	18.26	20	5
3	256QAM	1	8	18.42	18.32	18.23		
3	256QAM	1	14	18.40	18.30	18.22		
3	256QAM	8	0	18.31	18.21	18.15	20	5
3	256QAM	8	4	18.13	18.03	18.05		
3	256QAM	8	7	18.21	18.11	18.10		
3	256QAM	15	0	18.07	18.03	18.01		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.23	23.34	23.21	25	0
1.4	QPSK	1	3	23.16	23.26	23.14		
1.4	QPSK	1	5	23.05	23.24	23.09		
1.4	QPSK	3	0	23.22	23.30	23.20		
1.4	QPSK	3	1	23.20	23.23	23.09		
1.4	QPSK	3	3	23.05	23.18	23.03		
1.4	QPSK	6	0	22.27	22.35	22.25	24	1
1.4	16QAM	1	0	22.18	22.31	22.22	24	1
1.4	16QAM	1	3	22.11	22.28	22.13		
1.4	16QAM	1	5	22.23	22.31	22.16		
1.4	16QAM	3	0	22.15	22.28	22.14		
1.4	16QAM	3	1	22.09	22.23	22.10		
1.4	16QAM	3	3	22.14	22.21	22.15		
1.4	16QAM	6	0	21.09	21.25	21.13	23	2
1.4	64QAM	1	0	21.15	21.18	21.04	23	2
1.4	64QAM	1	3	21.04	21.09	21.02		
1.4	64QAM	1	5	21.15	21.22	21.21		
1.4	64QAM	3	0	21.12	21.23	21.21		
1.4	64QAM	3	1	21.07	21.11	21.02		
1.4	64QAM	3	3	21.01	21.14	21.01		
1.4	64QAM	6	0	20.05	20.11	20.09	22	3
1.4	256QAM	1	0	18.22	18.29	18.20	20	5
1.4	256QAM	1	3	18.22	18.23	18.22		
1.4	256QAM	1	5	18.14	18.17	18.14		
1.4	256QAM	3	0	18.17	18.26	18.20		
1.4	256QAM	3	1	18.18	18.24	18.24		
1.4	256QAM	3	3	18.16	18.23	18.14		
1.4	256QAM	6	0	18.15	18.16	18.17	20	5

Band 7 Ant3 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.57	23.63	23.60	25	0
20	QPSK	1	49	23.52	23.55	23.48		
20	QPSK	1	99	23.38	23.50	23.42		
20	QPSK	50	0	22.28	22.40	22.31	24	1
20	QPSK	50	24	22.26	22.34	22.25		
20	QPSK	50	50	22.21	22.29	22.15		
20	QPSK	100	0	22.28	22.36	22.33		
20	16QAM	1	0	22.67	22.73	22.66	24	1
20	16QAM	1	49	22.63	22.67	22.58		
20	16QAM	1	99	22.49	22.63	22.58		
20	16QAM	50	0	21.32	21.42	21.29	23	2
20	16QAM	50	24	21.30	21.34	21.19		
20	16QAM	50	50	21.35	21.38	21.30		
20	16QAM	100	0	21.35	21.38	21.30		
20	64QAM	1	0	21.47	21.57	21.46	23	2
20	64QAM	1	49	21.44	21.51	21.43		
20	64QAM	1	99	21.37	21.47	21.38		
20	64QAM	50	0	20.27	20.34	20.27	22	3
20	64QAM	50	24	20.14	20.25	20.21		
20	64QAM	50	50	20.18	20.30	20.16		
20	64QAM	100	0	20.26	20.32	20.21		
20	256QAM	1	0	18.44	18.51	18.38	20	5
20	256QAM	1	49	18.43	18.48	18.33		
20	256QAM	1	99	18.39	18.43	18.38		
20	256QAM	50	0	18.27	18.39	18.34	20	5
20	256QAM	50	24	18.25	18.29	18.23		
20	256QAM	50	50	18.28	18.35	18.23		
20	256QAM	100	0	18.22	18.36	18.32		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.47	23.56	23.55	25	0
15	QPSK	1	37	23.40	23.51	23.41		
15	QPSK	1	74	23.32	23.39	23.30		
15	QPSK	36	0	22.21	22.27	22.20	24	1
15	QPSK	36	20	22.13	22.20	22.20		
15	QPSK	36	39	22.17	22.19	22.11		
15	QPSK	75	0	22.14	22.33	22.26		
15	16QAM	1	0	22.59	22.63	22.61	24	1
15	16QAM	1	37	22.52	22.56	22.45		
15	16QAM	1	74	22.37	22.52	22.44		
15	16QAM	36	0	21.17	21.29	21.24	23	2
15	16QAM	36	20	21.21	21.28	21.06		
15	16QAM	36	39	21.20	21.35	21.24		
15	16QAM	75	0	21.24	21.31	21.21		
15	64QAM	1	0	21.41	21.50	21.36	23	2
15	64QAM	1	37	21.37	21.48	21.37		
15	64QAM	1	74	21.31	21.41	21.27		
15	64QAM	36	0	20.16	20.23	20.20	22	3
15	64QAM	36	20	20.06	20.16	20.18		
15	64QAM	36	39	20.09	20.22	20.06		
15	64QAM	75	0	20.13	20.23	20.14		
15	256QAM	1	0	18.32	18.43	18.25	20	5
15	256QAM	1	37	18.32	18.41	18.19		
15	256QAM	1	74	18.26	18.31	18.34		
15	256QAM	36	0	18.20	18.24	18.20	20	5
15	256QAM	36	20	18.19	18.22	18.17		
15	256QAM	36	39	18.14	18.21	18.09		
15	256QAM	75	0	18.09	18.32	18.28		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.45	23.55	23.46	25	0
10	QPSK	1	25	23.41	23.49	23.42		
10	QPSK	1	49	23.35	23.39	23.37		
10	QPSK	25	0	22.15	22.32	22.26	24	1
10	QPSK	25	12	22.14	22.26	22.14		
10	QPSK	25	25	22.14	22.24	22.04		
10	QPSK	50	0	22.18	22.25	22.26		
10	16QAM	1	0	22.54	22.63	22.55	24	1
10	16QAM	1	25	22.55	22.57	22.45		
10	16QAM	1	49	22.44	22.59	22.48		
10	16QAM	25	0	21.19	21.29	21.20	23	2
10	16QAM	25	12	21.23	21.22	21.13		
10	16QAM	25	25	21.22	21.29	21.23		
10	16QAM	50	0	21.29	21.28	21.19		
10	64QAM	1	0	21.43	21.47	21.34	23	2
10	64QAM	1	25	21.38	21.42	21.35		
10	64QAM	1	49	21.28	21.38	21.34		
10	64QAM	25	0	20.18	20.31	20.22	22	3
10	64QAM	25	12	20.00	20.19	20.14		
10	64QAM	25	25	20.04	20.17	20.10		
10	64QAM	50	0	20.16	20.21	20.10		
10	256QAM	1	0	18.38	18.38	18.27	20	5
10	256QAM	1	25	18.32	18.39	18.24		
10	256QAM	1	49	18.35	18.39	18.25		
10	256QAM	25	0	18.20	18.32	18.21	20	5
10	256QAM	25	12	18.15	18.16	18.18		
10	256QAM	25	25	18.24	18.31	18.13		
10	256QAM	50	0	18.14	18.26	18.28		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.47	23.48	23.51	25	0
5	QPSK	1	12	23.48	23.41	23.39		
5	QPSK	1	24	23.32	23.37	23.29		
5	QPSK	12	0	22.13	22.34	22.21	24	1
5	QPSK	12	7	22.21	22.24	22.21		
5	QPSK	12	13	22.06	22.17	22.03		
5	QPSK	25	0	22.18	22.28	22.27		
5	16QAM	1	0	22.58	22.65	22.55	24	1
5	16QAM	1	12	22.51	22.58	22.45		
5	16QAM	1	24	22.41	22.57	22.46		
5	16QAM	12	0	21.18	21.34	21.19	23	2
5	16QAM	12	7	21.26	21.25	21.09		
5	16QAM	12	13	21.26	21.30	21.23		
5	16QAM	25	0	21.23	21.25	21.22		
5	64QAM	1	0	21.36	21.51	21.33	23	2
5	64QAM	1	12	21.30	21.44	21.34		
5	64QAM	1	24	21.34	21.37	21.25		
5	64QAM	12	0	20.17	20.20	20.19	22	3
5	64QAM	12	7	20.06	20.20	20.11		
5	64QAM	12	13	20.09	20.17	20.07		
5	64QAM	25	0	20.17	20.23	20.06		
5	256QAM	1	0	18.31	18.48	18.25	20	5
5	256QAM	1	12	18.39	18.42	18.25		
5	256QAM	1	24	18.36	18.32	18.25		
5	256QAM	12	0	18.15	18.26	18.31	20	5
5	256QAM	12	7	18.14	18.18	18.10		
5	256QAM	12	13	18.24	18.21	18.16		
5	256QAM	25	0	18.11	18.22	18.20		

Band 66 Ant3 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.39	23.41	23.35	25	0
20	QPSK	1	49	23.26	23.25	23.21		
20	QPSK	1	99	23.11	23.21	23.13		
20	QPSK	50	0	22.24	22.31	22.26	24	1
20	QPSK	50	24	22.21	22.20	22.13		
20	QPSK	50	50	22.07	22.25	22.10		
20	QPSK	100	0	22.25	22.27	22.20		
20	16QAM	1	0	22.62	22.68	22.61	24	1
20	16QAM	1	49	22.53	22.59	22.49		
20	16QAM	1	99	22.35	22.58	22.50		
20	16QAM	50	0	21.21	21.34	21.14	23	2
20	16QAM	50	24	21.27	21.21	21.10		
20	16QAM	50	50	21.29	21.34	21.18		
20	16QAM	100	0	21.28	21.33	21.25		
20	64QAM	1	0	21.40	21.52	21.31	23	2
20	64QAM	1	49	21.40	21.38	21.30		
20	64QAM	1	99	21.26	21.42	21.26		
20	64QAM	50	0	20.23	20.25	20.24	22	3
20	64QAM	50	24	20.03	20.19	20.09		
20	64QAM	50	50	20.07	20.23	20.12		
20	64QAM	100	0	20.19	20.25	20.10		
20	256QAM	1	0	18.30	18.43	18.26	20	5
20	256QAM	1	49	18.31	18.38	18.21		
20	256QAM	1	99	18.27	18.35	18.26		
20	256QAM	50	0	18.16	18.31	18.20	20	5
20	256QAM	50	24	18.16	18.21	18.11		
20	256QAM	50	50	18.19	18.24	18.14		
20	256QAM	100	0	18.10	18.32	18.26		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.35	23.32	23.24	25	0
15	QPSK	1	37	23.19	23.15	23.09		
15	QPSK	1	74	23.00	23.07	23.02		
15	QPSK	36	0	22.13	22.20	22.12	24	1
15	QPSK	36	20	22.11	22.11	22.08		
15	QPSK	36	39	22.04	22.16	22.02		
15	QPSK	75	0	22.12	22.27	22.06		
15	16QAM	1	0	22.50	22.63	22.53	24	1
15	16QAM	1	37	22.47	22.45	22.45		
15	16QAM	1	74	22.30	22.48	22.41		
15	16QAM	36	0	21.10	21.24	21.05	23	2
15	16QAM	36	20	21.17	21.10	21.06		
15	16QAM	36	39	21.21	21.20	21.05		
15	16QAM	75	0	21.16	21.26	21.15		
15	64QAM	1	0	21.32	21.46	21.25	23	2
15	64QAM	1	37	21.30	21.34	21.21		
15	64QAM	1	74	21.12	21.29	21.14		
15	64QAM	36	0	20.11	20.15	20.17	22	3
15	64QAM	36	20	19.96	20.08	19.95		
15	64QAM	36	39	20.00	20.13	19.99		
15	64QAM	75	0	20.07	20.14	19.97		
15	256QAM	1	0	18.20	18.32	18.18	20	5
15	256QAM	1	37	18.18	18.25	18.17		
15	256QAM	1	74	18.17	18.29	18.17		
15	256QAM	36	0	18.12	18.17	18.10	20	5
15	256QAM	36	20	18.04	18.12	18.03		
15	256QAM	36	39	18.14	18.13	18.08		
15	256QAM	75	0	17.97	18.19	18.21		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.36	23.36	23.23	25	0
10	QPSK	1	25	23.14	23.16	23.07		
10	QPSK	1	49	23.01	23.15	23.06		
10	QPSK	25	0	22.20	22.14	22.16	24	1
10	QPSK	25	12	22.11	22.15	22.09		
10	QPSK	25	25	22.03	22.13	22.02		
10	QPSK	50	0	22.20	22.16	22.10		
10	16QAM	1	0	22.58	22.62	22.47	24	1
10	16QAM	1	25	22.44	22.50	22.44		
10	16QAM	1	49	22.30	22.47	22.38		
10	16QAM	25	0	21.08	21.22	21.10	23	2
10	16QAM	25	12	21.17	21.13	21.02		
10	16QAM	25	25	21.15	21.24	21.12		
10	16QAM	50	0	21.25	21.29	21.19		
10	64QAM	1	0	21.34	21.49	21.28	23	2
10	64QAM	1	25	21.37	21.24	21.21		
10	64QAM	1	49	21.21	21.32	21.21		
10	64QAM	25	0	20.09	20.19	20.21	22	3
10	64QAM	25	12	19.99	20.16	19.97		
10	64QAM	25	25	20.00	20.16	20.09		
10	64QAM	50	0	20.13	20.11	20.01		
10	256QAM	1	0	18.23	18.28	18.13	20	5
10	256QAM	1	25	18.21	18.26	18.18		
10	256QAM	1	49	18.15	18.23	18.12		
10	256QAM	25	0	18.10	18.27	18.14	20	5
10	256QAM	25	12	18.08	18.07	18.01		
10	256QAM	25	25	18.14	18.13	18.01		
10	256QAM	50	0	18.01	18.18	18.22		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.32	23.29	23.28	25	0
5	QPSK	1	12	23.15	23.14	23.13		
5	QPSK	1	24	23.04	23.07	23.01		
5	QPSK	12	0	22.13	22.19	22.16	24	1
5	QPSK	12	7	22.17	22.17	22.02		
5	QPSK	12	13	22.02	22.14	22.04		
5	QPSK	25	0	22.14	22.26	22.13		
5	16QAM	1	0	22.54	22.61	22.54	24	1
5	16QAM	1	12	22.48	22.44	22.42		
5	16QAM	1	24	22.20	22.52	22.40		
5	16QAM	12	0	21.07	21.23	21.11	23	2
5	16QAM	12	7	21.13	21.07	21.02		
5	16QAM	12	13	21.18	21.31	21.12		
5	16QAM	25	0	21.17	21.23	21.20		
5	64QAM	1	0	21.34	21.48	21.24	23	2
5	64QAM	1	12	21.31	21.24	21.18		
5	64QAM	1	24	21.20	21.37	21.22		
5	64QAM	12	0	20.16	20.19	20.16	22	3
5	64QAM	12	7	19.94	20.13	19.95		
5	64QAM	12	13	19.99	20.16	20.06		
5	64QAM	25	0	20.13	20.18	20.05		
5	256QAM	1	0	18.19	18.37	18.14	20	5
5	256QAM	1	12	18.24	18.32	18.08		
5	256QAM	1	24	18.18	18.31	18.12		
5	256QAM	12	0	18.05	18.21	18.07	20	5
5	256QAM	12	7	18.03	18.18	18.01		
5	256QAM	12	13	18.14	18.14	18.06		
5	256QAM	25	0	17.98	18.26	18.19		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	23.29	23.32	23.26	25	0
3	QPSK	1	8	23.14	23.21	23.14		
3	QPSK	1	14	23.04	23.13	23.05		
3	QPSK	8	0	22.16	22.18	22.16	24	1
3	QPSK	8	4	22.13	22.16	22.08		
3	QPSK	8	7	22.00	22.11	22.01		
3	QPSK	15	0	22.14	22.24	22.08		
3	16QAM	1	0	22.50	22.60	22.50	24	1
3	16QAM	1	8	22.39	22.50	22.40		
3	16QAM	1	14	22.28	22.45	22.38		
3	16QAM	8	0	21.09	21.30	21.10	23	2
3	16QAM	8	4	21.14	21.18	21.05		
3	16QAM	8	7	21.22	21.26	21.04		
3	16QAM	15	0	21.23	21.29	21.16		
3	64QAM	1	0	21.33	21.39	21.17	23	2
3	64QAM	1	8	21.31	21.33	21.21		
3	64QAM	1	14	21.20	21.32	21.20		
3	64QAM	8	0	20.19	20.13	20.10	22	3
3	64QAM	8	4	19.99	20.13	19.94		
3	64QAM	8	7	20.00	20.19	20.07		
3	64QAM	15	0	20.15	20.17	19.96		
3	256QAM	1	0	18.24	18.32	18.17	20	5
3	256QAM	1	8	18.27	18.33	18.11		
3	256QAM	1	14	18.23	18.28	18.14		
3	256QAM	8	0	18.11	18.17	18.09	20	5
3	256QAM	8	4	18.07	18.13	18.01		
3	256QAM	8	7	18.05	18.16	18.01		
3	256QAM	15	0	17.95	18.21	18.16		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	23.36	23.29	23.21	25	0
1.4	QPSK	1	3	23.15	23.21	23.13		
1.4	QPSK	1	5	23.08	23.11	23.03		
1.4	QPSK	3	0	23.36	23.26	23.23		
1.4	QPSK	3	1	23.16	23.22	23.17		
1.4	QPSK	3	3	23.01	23.11	23.05		
1.4	QPSK	6	0	22.16	22.16	22.18	24	1
1.4	16QAM	1	0	22.10	22.06	22.07	24	1
1.4	16QAM	1	3	22.01	22.12	22.01		
1.4	16QAM	1	5	22.12	22.25	22.12		
1.4	16QAM	3	0	22.55	22.55	22.53		
1.4	16QAM	3	1	22.39	22.51	22.45		
1.4	16QAM	3	3	22.25	22.47	22.38		
1.4	16QAM	6	0	21.15	21.30	21.10	23	2
1.4	64QAM	1	0	21.22	21.15	21.03	23	2
1.4	64QAM	1	3	21.24	21.28	21.03		
1.4	64QAM	1	5	21.18	21.29	21.16		
1.4	64QAM	3	0	21.29	21.48	21.28		
1.4	64QAM	3	1	21.28	21.32	21.26		
1.4	64QAM	3	3	21.16	21.38	21.23		
1.4	64QAM	6	0	20.13	20.16	20.11	22	3
1.4	256QAM	1	0	18.19	18.37	18.20	20	5
1.4	256QAM	1	3	18.24	18.24	18.10		
1.4	256QAM	1	5	18.23	18.21	18.19		
1.4	256QAM	3	0	18.05	18.23	18.17		
1.4	256QAM	3	1	18.11	18.09	18.01		
1.4	256QAM	3	3	18.13	18.15	18.05		
1.4	256QAM	6	0	18.00	18.27	18.13	20	5

Band 38 Ant3 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.32	23.45	23.41	25	0
20	QPSK	1	49	23.23	23.31	23.26		
20	QPSK	1	99	23.14	23.20	23.11		
20	QPSK	50	0	22.20	22.37	22.28	24	1
20	QPSK	50	24	22.24	22.23	22.18		
20	QPSK	50	50	22.08	22.22	22.14		
20	QPSK	100	0	22.23	22.34	22.16		
20	16QAM	1	0	22.65	22.73	22.63	24	1
20	16QAM	1	49	22.57	22.62	22.50		
20	16QAM	1	99	22.31	22.64	22.51		
20	16QAM	50	0	21.25	21.38	21.18	23	2
20	16QAM	50	24	21.28	21.24	21.11		
20	16QAM	50	50	21.29	21.36	21.16		
20	16QAM	100	0	21.27	21.32	21.27		
20	64QAM	1	0	21.37	21.57	21.38	23	2
20	64QAM	1	49	21.39	21.34	21.29		
20	64QAM	1	99	21.28	21.45	21.28		
20	64QAM	50	0	20.20	20.26	20.27	22	3
20	64QAM	50	24	20.03	20.25	20.06		
20	64QAM	50	50	20.12	20.28	20.16		
20	64QAM	100	0	20.26	20.29	20.13		
20	256QAM	1	0	18.36	18.45	18.23	20	5
20	256QAM	1	49	18.36	18.34	18.23		
20	256QAM	1	99	18.29	18.35	18.22		
20	256QAM	50	0	18.18	18.27	18.22	20	5
20	256QAM	50	24	18.12	18.20	18.17		
20	256QAM	50	50	18.20	18.22	18.19		
20	256QAM	100	0	18.16	18.32	18.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.23	23.39	23.31	25	0
15	QPSK	1	37	23.15	23.23	23.21		
15	QPSK	1	74	23.10	23.14	23.01		
15	QPSK	36	0	22.10	22.30	22.17	24	1
15	QPSK	36	20	22.18	22.15	22.08		
15	QPSK	36	39	22.00	22.11	22.11		
15	QPSK	75	0	22.15	22.30	22.13		
15	16QAM	1	0	22.58	22.60	22.58	24	1
15	16QAM	1	37	22.48	22.58	22.46		
15	16QAM	1	74	22.19	22.60	22.38		
15	16QAM	36	0	21.20	21.27	21.12	23	2
15	16QAM	36	20	21.20	21.13	21.00		
15	16QAM	36	39	21.20	21.28	21.12		
15	16QAM	75	0	21.21	21.21	21.21		
15	64QAM	1	0	21.28	21.44	21.23	23	2
15	64QAM	1	37	21.34	21.26	21.18		
15	64QAM	1	74	21.16	21.31	21.17		
15	64QAM	36	0	20.15	20.13	20.14	22	3
15	64QAM	36	20	20.04	20.11	20.07		
15	64QAM	36	39	20.08	20.16	20.04		
15	64QAM	75	0	20.12	20.22	20.02		
15	256QAM	1	0	18.30	18.31	18.11	20	5
15	256QAM	1	37	18.29	18.30	18.16		
15	256QAM	1	74	18.19	18.22	18.14		
15	256QAM	36	0	18.14	18.14	18.12	20	5
15	256QAM	36	20	18.08	18.16	18.10		
15	256QAM	36	39	18.19	18.08	18.14		
15	256QAM	75	0	18.04	18.26	18.19		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.26	23.40	23.30	25	0
10	QPSK	1	25	23.15	23.17	23.16		
10	QPSK	1	49	23.03	23.08	23.06		
10	QPSK	25	0	22.14	22.26	22.18	24	1
10	QPSK	25	12	22.16	22.13	22.10		
10	QPSK	25	25	22.06	22.11	22.08		
10	QPSK	50	0	22.11	22.21	22.13		
10	16QAM	1	0	22.60	22.67	22.60	24	1
10	16QAM	1	25	22.43	22.54	22.44		
10	16QAM	1	49	22.17	22.50	22.41		
10	16QAM	25	0	21.17	21.33	21.06	23	2
10	16QAM	25	12	21.16	21.09	21.00		
10	16QAM	25	25	21.19	21.29	21.11		
10	16QAM	50	0	21.16	21.18	21.18		
10	64QAM	1	0	21.29	21.53	21.30	23	2
10	64QAM	1	25	21.28	21.29	21.15		
10	64QAM	1	49	21.25	21.41	21.14		
10	64QAM	25	0	20.10	20.23	20.23	22	3
10	64QAM	25	12	20.04	20.15	20.09		
10	64QAM	25	25	20.09	20.16	20.02		
10	64QAM	50	0	20.16	20.25	20.06		
10	256QAM	1	0	18.23	18.35	18.17	20	5
10	256QAM	1	25	18.25	18.25	18.11		
10	256QAM	1	49	18.18	18.26	18.16		
10	256QAM	25	0	18.11	18.23	18.14	20	5
10	256QAM	25	12	18.08	18.12	18.10		
10	256QAM	25	25	18.16	18.17	18.08		
10	256QAM	50	0	18.11	18.28	18.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.29	23.35	23.33	25	0
5	QPSK	1	12	23.13	23.18	23.12		
5	QPSK	1	24	23.06	23.10	23.07		
5	QPSK	12	0	22.08	22.22	22.13	24	1
5	QPSK	12	7	22.10	22.16	22.04		
5	QPSK	12	13	22.03	22.17	22.02		
5	QPSK	25	0	22.11	22.31	22.03		
5	16QAM	1	0	22.59	22.62	22.48	24	1
5	16QAM	1	12	22.49	22.55	22.36		
5	16QAM	1	24	22.24	22.53	22.37		
5	16QAM	12	0	21.20	21.29	21.05	23	2
5	16QAM	12	7	21.14	21.14	21.09		
5	16QAM	12	13	21.22	21.21	21.05		
5	16QAM	25	0	21.22	21.20	21.13		
5	64QAM	1	0	21.27	21.51	21.33	23	2
5	64QAM	1	12	21.28	21.31	21.21		
5	64QAM	1	24	21.17	21.39	21.21		
5	64QAM	12	0	20.05	20.14	20.19	22	3
5	64QAM	12	7	20.06	20.11	20.05		
5	64QAM	12	13	20.09	20.17	20.07		
5	64QAM	25	0	20.14	20.24	20.06		
5	256QAM	1	0	18.32	18.35	18.15	20	5
5	256QAM	1	12	18.31	18.31	18.18		
5	256QAM	1	24	18.23	18.32	18.19		
5	256QAM	12	0	18.12	18.15	18.14	20	5
5	256QAM	12	7	18.04	18.18	18.07		
5	256QAM	12	13	18.10	18.09	18.12		
5	256QAM	25	0	18.02	18.20	18.21		

Band 41 Ant3 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.41	23.36	23.48	23.29	23.26	25	0
20	QPSK	1	49	23.18	23.24	23.41	23.23	23.18		
20	QPSK	1	99	23.02	23.17	23.22	23.16	23.03		
20	QPSK	50	0	22.25	22.29	22.39	22.35	22.29	24	1
20	QPSK	50	24	22.14	22.29	22.30	22.27	22.14		
20	QPSK	50	50	22.06	22.18	22.31	22.15	22.06		
20	QPSK	100	0	22.14	22.30	22.40	22.21	22.08		
20	16QAM	1	0	22.57	22.76	22.82	22.71	22.59	24	1
20	16QAM	1	49	22.38	22.65	22.69	22.52	22.46		
20	16QAM	1	99	22.50	22.35	22.75	22.59	22.45		
20	16QAM	50	0	21.15	21.34	21.47	21.19	21.08	23	2
20	16QAM	50	24	21.09	21.34	21.30	21.16	21.06		
20	16QAM	50	50	21.22	21.36	21.41	21.26	21.16		
20	16QAM	100	0	21.21	21.36	21.35	21.28	21.23		
20	64QAM	1	0	21.40	21.38	21.66	21.50	21.37	23	2
20	64QAM	1	49	21.21	21.43	21.35	21.31	21.27		
20	64QAM	1	99	21.32	21.31	21.48	21.39	21.30		
20	64QAM	50	0	20.24	20.24	20.34	20.38	20.34	22	3
20	64QAM	50	24	20.01	20.13	20.29	20.13	20.08		
20	64QAM	50	50	20.20	20.18	20.39	20.23	20.09		
20	64QAM	100	0	20.11	20.29	20.39	20.25	20.15		
20	256QAM	1	0	18.27	18.41	18.54	18.34	18.25	20	5
20	256QAM	1	49	18.25	18.46	18.39	18.34	18.31		
20	256QAM	1	99	18.14	18.40	18.46	18.27	18.15		
20	256QAM	50	0	18.27	18.22	18.32	18.31	18.23	20	5
20	256QAM	50	24	18.24	18.19	18.24	18.28	18.21		
20	256QAM	50	50	18.16	18.30	18.27	18.20	18.11		
20	256QAM	100	0	18.30	18.17	18.32	18.36	18.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.32	23.29	23.42	23.21	23.20	25	0
15	QPSK	1	37	23.10	23.15	23.38	23.20	23.15		
15	QPSK	1	74	23.06	23.11	23.14	23.05	23.03		
15	QPSK	36	0	22.12	22.18	22.28	22.29	22.20	24	1
15	QPSK	36	20	22.10	22.25	22.27	22.23	22.11		
15	QPSK	36	39	22.10	22.03	22.27	22.06	22.02		
15	QPSK	75	0	22.00	22.26	22.27	22.12	22.03		
15	16QAM	1	0	22.45	22.69	22.73	22.68	22.49	24	1
15	16QAM	1	37	22.32	22.54	22.62	22.46	22.41		
15	16QAM	1	74	22.41	22.21	22.63	22.54	22.31		
15	16QAM	36	0	21.01	21.27	21.43	21.16	21.04	23	2
15	16QAM	36	20	21.01	21.28	21.23	21.03	21.09		
15	16QAM	36	39	21.08	21.28	21.35	21.19	21.05		
15	16QAM	75	0	21.11	21.30	21.32	21.23	21.09		
15	64QAM	1	0	21.34	21.27	21.61	21.39	21.24	23	2
15	64QAM	1	37	21.07	21.32	21.29	21.20	21.13		
15	64QAM	1	74	21.20	21.18	21.38	21.31	21.16		
15	64QAM	36	0	20.16	20.14	20.21	20.31	20.20	22	3
15	64QAM	36	20	20.09	20.03	20.26	20.06	20.03		
15	64QAM	36	39	20.16	20.14	20.32	20.12	20.00		
15	64QAM	75	0	20.05	20.19	20.30	20.11	20.09		
15	256QAM	1	0	18.20	18.33	18.50	18.28	18.19	20	5
15	256QAM	1	37	18.13	18.42	18.24	18.28	18.20		
15	256QAM	1	74	18.10	18.32	18.41	18.18	18.10		
15	256QAM	36	0	18.21	18.12	18.25	18.24	18.13	20	5
15	256QAM	36	20	18.12	18.09	18.16	18.21	18.12		
15	256QAM	36	39	18.01	18.20	18.22	18.06	18.08		
15	256QAM	75	0	18.23	18.13	18.22	18.33	18.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.32	23.28	23.38	23.15	23.11	25	0
10	QPSK	1	25	23.11	23.12	23.27	23.15	23.11		
10	QPSK	1	49	23.06	23.11	23.07	23.09	23.03		
10	QPSK	25	0	22.27	22.14	22.32	22.27	22.30	24	1
10	QPSK	25	12	22.11	22.24	22.19	22.21	22.15		
10	QPSK	25	25	22.08	22.08	22.27	22.04	22.09		
10	QPSK	50	0	22.12	22.21	22.33	22.14	22.03		
10	16QAM	1	0	22.53	22.62	22.71	22.68	22.66	24	1
10	16QAM	1	25	22.45	22.53	22.63	22.44	22.48		
10	16QAM	1	49	22.48	22.20	22.71	22.45	22.50		
10	16QAM	25	0	21.11	21.22	21.36	21.07	21.09	23	2
10	16QAM	25	12	21.09	21.28	21.21	21.02	21.09		
10	16QAM	25	25	21.24	21.29	21.30	21.15	21.15		
10	16QAM	50	0	21.22	21.29	21.30	21.20	21.27		
10	64QAM	1	0	21.39	21.29	21.61	21.43	21.38	23	2
10	64QAM	1	25	21.22	21.29	21.23	21.22	21.24		
10	64QAM	1	49	21.39	21.23	21.43	21.25	21.30		
10	64QAM	25	0	20.22	20.11	20.23	20.30	20.39	22	3
10	64QAM	25	12	20.07	20.01	20.20	20.09	20.13		
10	64QAM	25	25	20.22	20.03	20.25	20.09	20.09		
10	64QAM	50	0	20.10	20.22	20.33	20.14	20.20		
10	256QAM	1	0	18.22	18.30	18.47	18.24	18.10	20	5
10	256QAM	1	25	18.12	18.31	18.31	18.29	18.24		
10	256QAM	1	49	18.01	18.33	18.40	18.14	18.06		
10	256QAM	25	0	18.21	18.15	18.21	18.22	18.11	20	5
10	256QAM	25	12	18.14	18.15	18.12	18.23	18.09		
10	256QAM	25	25	18.09	18.16	18.17	18.09	18.04		
10	256QAM	50	0	18.17	18.08	18.19	18.23	18.22		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.31	23.30	23.35	23.15	23.12	25	0
5	QPSK	1	12	23.06	23.10	23.37	23.09	23.06		
5	QPSK	1	24	23.03	23.08	23.15	23.03	23.08		
5	QPSK	12	0	22.28	22.15	22.27	22.30	22.28	24	1
5	QPSK	12	7	22.11	22.25	22.25	22.23	22.12		
5	QPSK	12	13	22.01	22.14	22.16	22.02	22.08		
5	QPSK	25	0	22.09	22.26	22.37	22.11	22.06		
5	16QAM	1	0	22.55	22.67	22.68	22.61	22.56	24	1
5	16QAM	1	12	22.34	22.55	22.64	22.45	22.49		
5	16QAM	1	24	22.50	22.24	22.62	22.48	22.42		
5	16QAM	12	0	21.12	21.21	21.44	21.16	21.12	23	2
5	16QAM	12	7	21.09	21.30	21.19	21.06	21.08		
5	16QAM	12	13	21.19	21.29	21.27	21.15	21.20		
5	16QAM	25	0	21.26	21.31	21.22	21.17	21.29		
5	64QAM	1	0	21.44	21.30	21.55	21.44	21.37	23	2
5	64QAM	1	12	21.24	21.38	21.25	21.23	21.23		
5	64QAM	1	24	21.34	21.25	21.40	21.25	21.27		
5	64QAM	12	0	20.21	20.17	20.21	20.27	20.41	22	3
5	64QAM	12	7	20.07	20.01	20.23	20.01	20.06		
5	64QAM	12	13	20.17	20.09	20.35	20.14	20.10		
5	64QAM	25	0	20.10	20.15	20.31	20.22	20.15		
5	256QAM	1	0	18.21	18.27	18.46	18.29	18.11	20	5
5	256QAM	1	12	18.13	18.42	18.36	18.28	18.27		
5	256QAM	1	24	18.06	18.33	18.32	18.15	18.02		
5	256QAM	12	0	18.21	18.09	18.21	18.16	18.13	20	5
5	256QAM	12	7	18.19	18.09	18.11	18.25	18.09		
5	256QAM	12	13	18.12	18.21	18.14	18.12	18.05		
5	256QAM	25	0	18.16	18.03	18.28	18.21	18.15		

		WCDMA IV Ant4 DSI1			
Band		WCDMA IV Ant4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.04	18.10	18.10	20.00
3GPP Rel 99	RMC 12.2Kbps	18.22	18.33	18.25	20.00
3GPP Rel 6	HSDPA Subtest-1	17.21	17.21	17.34	19.00
3GPP Rel 6	HSDPA Subtest-2	17.10	17.29	17.25	19.00
3GPP Rel 6	HSDPA Subtest-3	16.66	16.76	16.59	18.50
3GPP Rel 6	HSDPA Subtest-4	16.55	16.73	16.72	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.22	17.23	17.19	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.13	17.16	17.15	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.62	16.79	16.55	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.57	16.74	16.56	18.50
3GPP Rel 6	HSUPA Subtest-1	17.13	17.15	17.12	19.00
3GPP Rel 6	HSUPA Subtest-2	15.12	15.28	15.19	17.00
3GPP Rel 6	HSUPA Subtest-3	16.19	16.22	16.26	18.00
3GPP Rel 6	HSUPA Subtest-4	15.19	15.14	15.18	17.00
3GPP Rel 6	HSUPA Subtest-5	17.00	17.20	17.14	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-5	14.81	14.93	14.72	16.50

Band 4 Ant4 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.27	18.31	18.25	20	0
20	QPSK	1	49	18.06	18.07	18.17		
20	QPSK	1	99	18.21	18.18	18.02		
20	QPSK	50	0	18.14	18.21	18.13	20	0
20	QPSK	50	24	18.05	18.18	18.10		
20	QPSK	50	50	18.15	18.09	18.04		
20	QPSK	100	0	18.03	18.15	18.10		
20	16QAM	1	0	18.08	18.03	18.14	20	0
20	16QAM	1	49	18.02	18.03	18.16		
20	16QAM	1	99	18.12	18.19	18.06		
20	16QAM	50	0	18.03	18.11	18.20	20	0
20	16QAM	50	24	18.09	18.02	18.08		
20	16QAM	50	50	18.06	18.04	18.09		
20	16QAM	100	0	18.07	18.27	18.27		
20	64QAM	1	0	18.07	18.18	18.15	20	0
20	64QAM	1	49	18.05	18.09	18.10		
20	64QAM	1	99	18.17	18.09	18.13		
20	64QAM	50	0	18.08	18.08	18.03	20	0
20	64QAM	50	24	18.06	18.12	18.23		
20	64QAM	50	50	18.01	18.10	18.11		
20	64QAM	100	0	18.06	18.08	18.19		
20	256QAM	1	0	18.06	18.03	18.13	20	0
20	256QAM	1	49	18.12	18.07	18.00		
20	256QAM	1	99	18.21	18.13	18.11		
20	256QAM	50	0	18.04	18.10	18.05	20	0
20	256QAM	50	24	18.05	18.20	18.07		
20	256QAM	50	50	18.08	18.15	18.17		
20	256QAM	100	0	18.11	18.03	18.10		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.00	18.30	18.03	20	0
15	QPSK	1	37	18.05	18.10	18.11		
15	QPSK	1	74	18.12	18.07	18.09		
15	QPSK	36	0	18.00	18.15	18.07	20	0
15	QPSK	36	20	18.13	18.00	18.11		
15	QPSK	36	39	18.16	18.15	18.12		
15	QPSK	75	0	18.15	18.25	18.10		
15	16QAM	1	0	18.04	18.21	18.09	20	0
15	16QAM	1	37	18.03	18.14	18.11		
15	16QAM	1	74	18.20	18.26	18.06		
15	16QAM	36	0	18.09	18.15	18.30	20	0
15	16QAM	36	20	18.10	18.22	18.03		
15	16QAM	36	39	18.17	18.28	18.05		
15	16QAM	75	0	18.13	18.18	18.23		
15	64QAM	1	0	18.17	18.18	18.04	20	0
15	64QAM	1	37	18.10	18.12	18.24		
15	64QAM	1	74	18.02	18.17	18.17		
15	64QAM	36	0	18.07	18.24	18.03	20	0
15	64QAM	36	20	18.01	18.15	18.08		
15	64QAM	36	39	18.11	18.18	18.21		
15	64QAM	75	0	18.18	18.28	18.05		
15	256QAM	1	0	18.10	18.11	18.19	20	0
15	256QAM	1	37	18.11	18.29	18.21		
15	256QAM	1	74	18.09	18.30	18.16		
15	256QAM	36	0	18.05	18.29	18.06	20	0
15	256QAM	36	20	18.02	18.11	18.25		
15	256QAM	36	39	18.19	18.29	18.15		
15	256QAM	75	0	18.22	18.11	18.17		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.20	18.10	18.03	20	0
10	QPSK	1	25	18.10	18.30	18.13		
10	QPSK	1	49	18.19	18.29	18.09		
10	QPSK	25	0	18.04	18.27	18.07	20	0
10	QPSK	25	12	18.21	18.29	18.23		
10	QPSK	25	25	18.19	18.02	18.04		
10	QPSK	50	0	18.21	18.25	18.09		
10	16QAM	1	0	18.19	18.14	18.10	20	0
10	16QAM	1	25	18.01	18.21	18.24		
10	16QAM	1	49	18.10	18.11	18.01		
10	16QAM	25	0	18.06	18.01	18.17	20	0
10	16QAM	25	12	18.05	18.30	18.09		
10	16QAM	25	25	18.18	18.22	18.22		
10	16QAM	50	0	18.01	18.09	18.20		
10	64QAM	1	0	18.10	18.20	18.08	20	0
10	64QAM	1	25	18.15	18.29	18.26		
10	64QAM	1	49	18.12	18.22	18.24		
10	64QAM	25	0	18.19	18.26	18.04	20	0
10	64QAM	25	12	18.19	18.11	18.04		
10	64QAM	25	25	18.12	18.11	18.24		
10	64QAM	50	0	18.02	18.18	18.05		
10	256QAM	1	0	18.19	18.23	18.21	20	0
10	256QAM	1	25	18.11	18.14	18.08		
10	256QAM	1	49	18.02	18.27	18.19		
10	256QAM	25	0	18.00	18.00	18.08	20	0
10	256QAM	25	12	18.18	18.11	18.06		
10	256QAM	25	25	18.07	18.23	18.08		
10	256QAM	50	0	18.15	18.14	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.18	18.29	18.02	20	0
5	QPSK	1	12	18.19	18.10	18.10		
5	QPSK	1	24	18.17	18.15	18.23		
5	QPSK	12	0	18.06	18.19	18.18	20	0
5	QPSK	12	7	18.13	18.29	18.11		
5	QPSK	12	13	18.19	18.14	18.21		
5	QPSK	25	0	18.10	18.17	18.06		
5	16QAM	1	0	18.22	18.24	18.15	20	0
5	16QAM	1	12	18.01	18.11	18.16		
5	16QAM	1	24	18.14	18.15	18.20		
5	16QAM	12	0	18.21	18.06	18.25	20	0
5	16QAM	12	7	18.06	18.27	18.12		
5	16QAM	12	13	18.09	18.16	18.16		
5	16QAM	25	0	18.06	18.29	18.06		
5	64QAM	1	0	18.05	18.15	18.25	20	0
5	64QAM	1	12	18.22	18.21	18.22		
5	64QAM	1	24	18.22	18.22	18.22		
5	64QAM	12	0	18.21	18.12	18.15	20	0
5	64QAM	12	7	18.06	18.29	18.16		
5	64QAM	12	13	18.01	18.26	18.14		
5	64QAM	25	0	18.06	18.26	18.10		
5	256QAM	1	0	18.01	18.15	18.14	20	0
5	256QAM	1	12	18.22	18.20	18.02		
5	256QAM	1	24	18.03	18.27	18.08		
5	256QAM	12	0	18.11	18.10	18.05	20	0
5	256QAM	12	7	18.17	18.01	18.21		
5	256QAM	12	13	18.01	18.10	18.13		
5	256QAM	25	0	18.07	18.14	18.21		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.18	18.15	18.02	20	0
3	QPSK	1	8	18.04	18.20	18.01		
3	QPSK	1	14	18.12	18.26	18.26		
3	QPSK	8	0	18.16	18.25	18.14	20	0
3	QPSK	8	4	18.05	18.15	18.06		
3	QPSK	8	7	18.19	18.27	18.19		
3	QPSK	15	0	18.00	18.28	18.21		
3	16QAM	1	0	18.00	18.00	18.22	20	0
3	16QAM	1	8	18.04	18.21	18.23		
3	16QAM	1	14	18.09	18.24	18.03		
3	16QAM	8	0	18.02	18.16	18.09	20	0
3	16QAM	8	4	18.05	18.28	18.24		
3	16QAM	8	7	18.19	18.30	18.10		
3	16QAM	15	0	18.00	18.14	18.10		
3	64QAM	1	0	18.05	18.13	18.09	20	0
3	64QAM	1	8	18.00	18.18	18.11		
3	64QAM	1	14	18.04	18.07	18.16		
3	64QAM	8	0	18.20	18.19	18.13	20	0
3	64QAM	8	4	18.15	18.14	18.07		
3	64QAM	8	7	18.04	18.19	18.25		
3	64QAM	15	0	18.20	18.18	18.10		
3	256QAM	1	0	18.09	18.12	18.19	20	0
3	256QAM	1	8	18.20	18.17	18.05		
3	256QAM	1	14	18.19	18.09	18.04		
3	256QAM	8	0	18.20	18.30	18.15	20	0
3	256QAM	8	4	18.04	18.29	18.04		
3	256QAM	8	7	18.15	18.18	18.14		
3	256QAM	15	0	18.09	18.23	18.06		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.05	18.16	18.10	20	0
1.4	QPSK	1	3	18.18	18.13	18.16		
1.4	QPSK	1	5	18.01	18.08	18.25		
1.4	QPSK	3	0	18.09	18.30	18.19		
1.4	QPSK	3	1	18.06	18.26	18.12		
1.4	QPSK	3	3	18.17	18.13	18.16		
1.4	QPSK	6	0	18.16	18.30	18.20	20	0
1.4	16QAM	1	0	18.05	18.13	18.25	20	0
1.4	16QAM	1	3	18.08	18.29	18.18		
1.4	16QAM	1	5	18.02	18.29	18.07		
1.4	16QAM	3	0	18.20	18.18	18.23		
1.4	16QAM	3	1	18.18	18.16	18.26		
1.4	16QAM	3	3	18.10	18.25	18.05		
1.4	16QAM	6	0	18.11	18.21	18.19	20	0
1.4	64QAM	1	0	18.21	18.08	18.06	20	0
1.4	64QAM	1	3	18.07	18.26	18.04		
1.4	64QAM	1	5	18.21	18.10	18.15		
1.4	64QAM	3	0	18.03	18.10	18.23		
1.4	64QAM	3	1	18.00	18.28	18.16		
1.4	64QAM	3	3	18.04	18.25	18.06		
1.4	64QAM	6	0	18.05	18.16	18.04	20	0
1.4	256QAM	1	0	18.09	18.27	18.26	20	0
1.4	256QAM	1	3	18.03	18.08	18.08		
1.4	256QAM	1	5	18.12	18.26	18.13		
1.4	256QAM	3	0	18.12	18.09	18.07		
1.4	256QAM	3	1	18.15	18.11	18.19		
1.4	256QAM	3	3	18.07	18.24	18.03		
1.4	256QAM	6	0	18.05	18.18	18.05	20	0

Band 7 Ant4 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.56	18.77	18.75	20	0
20	QPSK	1	49	18.62	18.62	18.43		
20	QPSK	1	99	18.56	18.61	18.48		
20	QPSK	50	0	18.45	18.65	18.59	20	0
20	QPSK	50	24	18.17	18.64	18.58		
20	QPSK	50	50	18.52	18.38	18.38		
20	QPSK	100	0	18.24	18.47	18.40		
20	16QAM	1	0	18.45	18.42	18.60	20	0
20	16QAM	1	49	18.25	18.28	18.61		
20	16QAM	1	99	18.69	18.58	18.49		
20	16QAM	50	0	18.58	18.46	18.75	20	0
20	16QAM	50	24	18.46	18.67	18.20		
20	16QAM	50	50	18.27	18.45	18.50		
20	16QAM	100	0	18.42	18.71	18.72		
20	64QAM	1	0	18.25	18.64	18.66	20	0
20	64QAM	1	49	18.53	18.42	18.49		
20	64QAM	1	99	18.59	18.57	18.56		
20	64QAM	50	0	18.60	18.58	18.41	20	0
20	64QAM	50	24	18.36	18.34	18.57		
20	64QAM	50	50	18.55	18.27	18.23		
20	64QAM	100	0	18.35	18.50	18.71		
20	256QAM	1	0	18.38	18.60	18.41	20	0
20	256QAM	1	49	18.67	18.74	18.44		
20	256QAM	1	99	18.28	18.56	18.68		
20	256QAM	50	0	18.47	18.33	18.74	20	0
20	256QAM	50	24	18.59	18.47	18.53		
20	256QAM	50	50	18.46	18.74	18.37		
20	256QAM	100	0	18.46	18.62	18.56		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.58	18.72	18.70	20	0
15	QPSK	1	37	18.75	18.61	18.52		
15	QPSK	1	74	18.45	18.45	18.56		
15	QPSK	36	0	18.41	18.56	18.49	20	0
15	QPSK	36	20	18.06	18.49	18.61		
15	QPSK	36	39	18.56	18.35	18.57		
15	QPSK	75	0	18.29	18.49	18.25		
15	16QAM	1	0	18.45	18.51	18.65	20	0
15	16QAM	1	37	18.31	18.32	18.66		
15	16QAM	1	74	18.64	18.59	18.33		
15	16QAM	36	0	18.51	18.60	18.72	20	0
15	16QAM	36	20	18.47	18.56	18.31		
15	16QAM	36	39	18.38	18.59	18.46		
15	16QAM	75	0	18.33	18.71	18.60		
15	64QAM	1	0	18.37	18.52	18.60	20	0
15	64QAM	1	37	18.48	18.61	18.56		
15	64QAM	1	74	18.60	18.37	18.67		
15	64QAM	36	0	18.55	18.73	18.35	20	0
15	64QAM	36	20	18.51	18.19	18.69		
15	64QAM	36	39	18.44	18.37	18.45		
15	64QAM	75	0	18.36	18.31	18.69		
15	256QAM	1	0	18.42	18.60	18.51	20	0
15	256QAM	1	37	18.62	18.58	18.45		
15	256QAM	1	74	18.30	18.66	18.62		
15	256QAM	36	0	18.52	18.34	18.71	20	0
15	256QAM	36	20	18.54	18.46	18.59		
15	256QAM	36	39	18.54	18.74	18.56		
15	256QAM	75	0	18.46	18.59	18.67		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.52	18.63	18.63	20	0
10	QPSK	1	25	18.55	18.49	18.61		
10	QPSK	1	49	18.44	18.61	18.58		
10	QPSK	25	0	18.52	18.74	18.60	20	0
10	QPSK	25	12	18.20	18.50	18.41		
10	QPSK	25	25	18.56	18.47	18.52		
10	QPSK	50	0	18.32	18.47	18.32		
10	16QAM	1	0	18.50	18.56	18.49	20	0
10	16QAM	1	25	18.30	18.34	18.69		
10	16QAM	1	49	18.68	18.65	18.34		
10	16QAM	25	0	18.48	18.61	18.68	20	0
10	16QAM	25	12	18.59	18.67	18.37		
10	16QAM	25	25	18.35	18.39	18.39		
10	16QAM	50	0	18.53	18.64	18.74		
10	64QAM	1	0	18.29	18.56	18.68	20	0
10	64QAM	1	25	18.32	18.56	18.48		
10	64QAM	1	49	18.54	18.58	18.60		
10	64QAM	25	0	18.64	18.67	18.35	20	0
10	64QAM	25	12	18.44	18.29	18.58		
10	64QAM	25	25	18.60	18.26	18.41		
10	64QAM	50	0	18.34	18.38	18.67		
10	256QAM	1	0	18.41	18.65	18.44	20	0
10	256QAM	1	25	18.59	18.75	18.57		
10	256QAM	1	49	18.33	18.54	18.75		
10	256QAM	25	0	18.32	18.35	18.62	20	0
10	256QAM	25	12	18.52	18.65	18.53		
10	256QAM	25	25	18.44	18.66	18.48		
10	256QAM	50	0	18.41	18.50	18.72		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.50	18.60	18.69	20	0
5	QPSK	1	12	18.53	18.49	18.56		
5	QPSK	1	24	18.59	18.63	18.56		
5	QPSK	12	0	18.51	18.62	18.55	20	0
5	QPSK	12	7	18.13	18.47	18.56		
5	QPSK	12	13	18.73	18.50	18.40		
5	QPSK	25	0	18.22	18.34	18.24		
5	16QAM	1	0	18.51	18.46	18.55	20	0
5	16QAM	1	12	18.29	18.46	18.61		
5	16QAM	1	24	18.58	18.53	18.52		
5	16QAM	12	0	18.50	18.50	18.73	20	0
5	16QAM	12	7	18.41	18.66	18.37		
5	16QAM	12	13	18.16	18.38	18.36		
5	16QAM	25	0	18.51	18.66	18.61		
5	64QAM	1	0	18.30	18.51	18.53	20	0
5	64QAM	1	12	18.46	18.49	18.52		
5	64QAM	1	24	18.55	18.38	18.59		
5	64QAM	12	0	18.53	18.54	18.41	20	0
5	64QAM	12	7	18.53	18.20	18.65		
5	64QAM	12	13	18.42	18.40	18.37		
5	64QAM	25	0	18.33	18.32	18.52		
5	256QAM	1	0	18.35	18.64	18.49	20	0
5	256QAM	1	12	18.66	18.57	18.46		
5	256QAM	1	24	18.41	18.49	18.55		
5	256QAM	12	0	18.53	18.29	18.63	20	0
5	256QAM	12	7	18.50	18.42	18.57		
5	256QAM	12	13	18.65	18.59	18.41		
5	256QAM	25	0	18.32	18.63	18.58		

Band 66 Ant4 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.48	18.55	18.53	20	0
20	QPSK	1	49	18.53	18.38	18.48		
20	QPSK	1	99	18.29	18.25	18.46		
20	QPSK	50	0	18.51	18.53	18.48	20	0
20	QPSK	50	24	18.41	18.39	18.36		
20	QPSK	50	50	18.45	18.20	18.37		
20	QPSK	100	0	18.40	18.41	18.33		
20	16QAM	1	0	18.25	18.20	18.33	20	0
20	16QAM	1	49	18.16	18.15	18.46		
20	16QAM	1	99	18.38	18.36	18.22		
20	16QAM	50	0	18.51	18.36	18.44	20	0
20	16QAM	50	24	18.34	18.52	18.46		
20	16QAM	50	50	18.13	18.41	18.16		
20	16QAM	100	0	18.16	18.46	18.42		
20	64QAM	1	0	18.27	18.49	18.36	20	0
20	64QAM	1	49	18.32	18.26	18.40		
20	64QAM	1	99	18.44	18.21	18.27		
20	64QAM	50	0	18.41	18.37	18.13	20	0
20	64QAM	50	24	18.33	18.03	18.41		
20	64QAM	50	50	18.33	18.19	18.08		
20	64QAM	100	0	18.29	18.11	18.54		
20	256QAM	1	0	18.30	18.44	18.31	20	0
20	256QAM	1	49	18.39	18.53	18.41		
20	256QAM	1	99	18.53	18.33	18.35		
20	256QAM	50	0	18.22	18.16	18.44	20	0
20	256QAM	50	24	18.41	18.45	18.50		
20	256QAM	50	50	18.24	18.39	18.32		
20	256QAM	100	0	18.26	18.29	18.34		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.32	18.35	18.42	20	0
15	QPSK	1	37	18.28	18.17	18.27		
15	QPSK	1	74	18.13	18.29	18.24		
15	QPSK	36	0	18.13	18.29	18.29	20	0
15	QPSK	36	20	18.34	18.31	18.22		
15	QPSK	36	39	18.43	18.11	18.15		
15	QPSK	75	0	18.42	18.21	18.09		
15	16QAM	1	0	18.09	18.14	18.26	20	0
15	16QAM	1	37	18.28	18.03	18.34		
15	16QAM	1	74	18.32	18.40	18.19		
15	16QAM	36	0	18.27	18.27	18.33	20	0
15	16QAM	36	20	18.26	18.20	18.00		
15	16QAM	36	39	18.06	18.08	18.06		
15	16QAM	75	0	18.14	18.41	18.27		
15	64QAM	1	0	18.09	18.23	18.39	20	0
15	64QAM	1	37	18.13	18.16	18.30		
15	64QAM	1	74	18.43	18.20	18.36		
15	64QAM	36	0	18.12	18.39	18.10	20	0
15	64QAM	36	20	18.07	18.09	18.36		
15	64QAM	36	39	18.21	17.89	18.04		
15	64QAM	75	0	17.98	18.19	18.29		
15	256QAM	1	0	18.21	18.37	18.05	20	0
15	256QAM	1	37	18.40	18.36	18.21		
15	256QAM	1	74	18.16	18.27	18.30		
15	256QAM	36	0	18.08	18.00	18.35	20	0
15	256QAM	36	20	18.21	18.30	18.26		
15	256QAM	36	39	18.11	18.26	18.09		
15	256QAM	75	0	18.24	18.32	18.40		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.38	18.36	18.32	20	0
10	QPSK	1	25	18.30	18.40	18.18		
10	QPSK	1	49	18.12	18.12	18.18		
10	QPSK	25	0	18.07	18.33	18.16	20	0
10	QPSK	25	12	18.37	18.15	18.12		
10	QPSK	25	25	18.42	18.16	18.12		
10	QPSK	50	0	18.31	18.11	18.38		
10	16QAM	1	0	18.16	18.07	18.24	20	0
10	16QAM	1	25	18.09	18.30	18.35		
10	16QAM	1	49	18.40	18.32	18.23		
10	16QAM	25	0	18.38	18.34	18.43	20	0
10	16QAM	25	12	18.16	18.42	18.39		
10	16QAM	25	25	18.39	18.24	18.10		
10	16QAM	50	0	18.05	18.38	18.43		
10	64QAM	1	0	18.01	18.23	18.20	20	0
10	64QAM	1	25	18.11	18.18	18.18		
10	64QAM	1	49	18.24	18.06	18.38		
10	64QAM	25	0	18.26	18.23	18.13	20	0
10	64QAM	25	12	18.19	18.01	18.41		
10	64QAM	25	25	18.25	18.05	17.96		
10	64QAM	50	0	18.08	18.13	18.29		
10	256QAM	1	0	18.06	18.30	18.04	20	0
10	256QAM	1	25	18.41	18.32	18.23		
10	256QAM	1	49	18.15	18.35	18.28		
10	256QAM	25	0	18.06	18.10	18.37	20	0
10	256QAM	25	12	18.29	18.20	18.39		
10	256QAM	25	25	18.14	18.41	18.25		
10	256QAM	50	0	18.15	18.29	18.23		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.23	18.29	18.36	20	0
5	QPSK	1	12	18.36	18.32	18.31		
5	QPSK	1	24	18.22	18.35	18.24		
5	QPSK	12	0	18.06	18.27	18.37	20	0
5	QPSK	12	7	18.35	18.33	18.29		
5	QPSK	12	13	18.43	18.23	18.19		
5	QPSK	25	0	18.01	18.13	18.06		
5	16QAM	1	0	18.12	18.25	18.33	20	0
5	16QAM	1	12	18.02	18.08	18.18		
5	16QAM	1	24	18.34	18.25	18.26		
5	16QAM	12	0	18.40	18.33	18.34	20	0
5	16QAM	12	7	18.30	18.32	18.36		
5	16QAM	12	13	18.37	18.08	18.05		
5	16QAM	25	0	18.07	18.42	18.29		
5	64QAM	1	0	18.37	18.37	18.22	20	0
5	64QAM	1	12	18.20	18.25	18.14		
5	64QAM	1	24	18.31	18.08	18.20		
5	64QAM	12	0	18.33	18.34	18.00	20	0
5	64QAM	12	7	18.12	18.04	18.31		
5	64QAM	12	13	18.27	17.99	17.95		
5	64QAM	25	0	18.07	18.02	18.34		
5	256QAM	1	0	18.18	18.19	18.14	20	0
5	256QAM	1	12	18.39	18.26	18.31		
5	256QAM	1	24	18.12	18.29	18.30		
5	256QAM	12	0	18.12	18.17	18.37	20	0
5	256QAM	12	7	18.38	18.24	18.24		
5	256QAM	12	13	18.22	18.27	18.18		
5	256QAM	25	0	18.15	18.27	18.22		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.31	18.39	18.43	20	0
3	QPSK	1	8	18.25	18.30	18.28		
3	QPSK	1	14	18.12	18.23	18.13		
3	QPSK	8	0	18.15	18.39	18.35	20	0
3	QPSK	8	4	18.39	18.28	18.19		
3	QPSK	8	7	18.29	18.13	18.06		
3	QPSK	15	0	18.03	18.18	18.09		
3	16QAM	1	0	18.11	18.23	18.26	20	0
3	16QAM	1	8	18.38	18.01	18.18		
3	16QAM	1	14	18.31	18.18	18.05		
3	16QAM	8	0	18.37	18.36	18.36	20	0
3	16QAM	8	4	18.17	18.25	18.38		
3	16QAM	8	7	18.00	18.14	18.06		
3	16QAM	15	0	18.18	18.36	18.34		
3	64QAM	1	0	18.06	18.35	18.21	20	0
3	64QAM	1	8	18.08	18.22	18.19		
3	64QAM	1	14	18.36	18.27	18.32		
3	64QAM	8	0	18.32	18.38	18.08	20	0
3	64QAM	8	4	18.26	18.06	18.35		
3	64QAM	8	7	18.29	18.00	18.02		
3	64QAM	15	0	17.97	17.97	18.26		
3	256QAM	1	0	18.12	18.37	18.08	20	0
3	256QAM	1	8	18.28	18.40	18.11		
3	256QAM	1	14	18.09	18.17	18.30		
3	256QAM	8	0	18.25	18.02	18.34	20	0
3	256QAM	8	4	18.19	18.32	18.30		
3	256QAM	8	7	18.18	18.35	18.20		
3	256QAM	15	0	18.21	18.25	18.25		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.33	18.32	18.36	20	0
1.4	QPSK	1	3	18.40	18.38	18.18		
1.4	QPSK	1	5	18.29	18.18	18.21		
1.4	QPSK	3	0	18.23	18.32	18.16		
1.4	QPSK	3	1	18.43	18.34	18.13		
1.4	QPSK	3	3	18.35	18.01	18.07		
1.4	QPSK	6	0	18.03	18.01	18.02	20	0
1.4	16QAM	1	0	18.03	18.28	18.38	20	0
1.4	16QAM	1	3	18.37	18.13	18.17		
1.4	16QAM	1	5	18.23	18.20	18.25		
1.4	16QAM	3	0	18.23	18.37	18.40		
1.4	16QAM	3	1	18.28	18.27	18.05		
1.4	16QAM	3	3	18.28	18.19	18.01		
1.4	16QAM	6	0	18.03	18.28	18.40	20	0
1.4	64QAM	1	0	18.12	18.41	18.28	20	0
1.4	64QAM	1	3	18.18	18.09	18.15		
1.4	64QAM	1	5	18.27	18.08	18.22		
1.4	64QAM	3	0	18.30	18.23	18.08		
1.4	64QAM	3	1	18.18	18.41	18.29		
1.4	64QAM	3	3	18.16	18.33	18.10		
1.4	64QAM	6	0	18.13	18.06	18.33	20	0
1.4	256QAM	1	0	18.16	18.33	18.18	20	0
1.4	256QAM	1	3	18.44	18.41	18.26		
1.4	256QAM	1	5	18.10	18.25	18.33		
1.4	256QAM	3	0	18.12	18.21	18.42		
1.4	256QAM	3	1	18.30	18.35	18.36		
1.4	256QAM	3	3	18.26	18.38	18.27		
1.4	256QAM	6	0	18.24	18.11	18.28	20	0

Band 38 Ant4 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	17.40	17.58	17.47	19	0
20	QPSK	1	49	17.50	17.37	17.27		
20	QPSK	1	99	17.30	17.22	17.33		
20	QPSK	50	0	17.25	17.51	17.42	19	0
20	QPSK	50	24	17.45	17.48	17.31		
20	QPSK	50	50	17.38	17.27	17.36		
20	QPSK	100	0	17.01	17.32	17.09		
20	16QAM	1	0	17.35	17.16	17.48	19	0
20	16QAM	1	49	17.15	17.22	17.36		
20	16QAM	1	99	17.30	17.44	17.25		
20	16QAM	50	0	17.30	17.37	17.41	19	0
20	16QAM	50	24	17.27	17.38	17.06		
20	16QAM	50	50	17.07	17.33	17.15		
20	16QAM	100	0	17.33	17.39	17.41		
20	64QAM	1	0	17.17	17.33	17.49	19	0
20	64QAM	1	49	17.19	17.36	17.30		
20	64QAM	1	99	17.36	17.31	17.32		
20	64QAM	50	0	17.26	17.41	17.05	19	0
20	64QAM	50	24	17.19	17.03	17.44		
20	64QAM	50	50	17.38	17.10	17.24		
20	64QAM	100	0	17.11	17.22	17.41		
20	256QAM	1	0	17.31	17.40	17.28	19	0
20	256QAM	1	49	17.51	17.45	17.36		
20	256QAM	1	99	17.15	17.28	17.41		
20	256QAM	50	0	17.33	17.14	17.51	19	0
20	256QAM	50	24	17.33	17.42	17.34		
20	256QAM	50	50	17.24	17.35	17.18		
20	256QAM	100	0	17.24	17.37	17.35		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.44	17.38	17.42	19	0
15	QPSK	1	37	17.41	17.48	17.43		
15	QPSK	1	74	17.32	17.45	17.25		
15	QPSK	36	0	17.31	17.40	17.27	19	0
15	QPSK	36	20	17.00	17.33	17.39		
15	QPSK	36	39	17.45	17.10	17.33		
15	QPSK	75	0	17.05	17.25	17.14		
15	16QAM	1	0	17.22	17.36	17.49	19	0
15	16QAM	1	37	17.07	17.26	17.35		
15	16QAM	1	74	17.26	17.51	17.30		
15	16QAM	36	0	17.32	17.30	17.46	19	0
15	16QAM	36	20	17.30	17.45	17.10		
15	16QAM	36	39	17.08	17.20	17.23		
15	16QAM	75	0	17.32	17.53	17.38		
15	64QAM	1	0	17.13	17.37	17.40	19	0
15	64QAM	1	37	17.30	17.32	17.39		
15	64QAM	1	74	17.47	17.16	17.40		
15	64QAM	36	0	17.41	17.47	17.07	19	0
15	64QAM	36	20	17.35	17.18	17.57		
15	64QAM	36	39	17.33	17.03	17.18		
15	64QAM	75	0	17.17	17.13	17.55		
15	256QAM	1	0	17.17	17.41	17.36	19	0
15	256QAM	1	37	17.44	17.41	17.31		
15	256QAM	1	74	17.26	17.42	17.39		
15	256QAM	36	0	17.17	17.10	17.49	19	0
15	256QAM	36	20	17.38	17.44	17.49		
15	256QAM	36	39	17.38	17.34	17.24		
15	256QAM	75	0	17.29	17.42	17.44		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.44	17.50	17.33	19	0
10	QPSK	1	25	17.47	17.29	17.41		
10	QPSK	1	49	17.31	17.43	17.43		
10	QPSK	25	0	17.16	17.54	17.33	19	0
10	QPSK	25	12	17.06	17.44	17.21		
10	QPSK	25	25	17.42	17.18	17.23		
10	QPSK	50	0	17.00	17.27	17.26		
10	16QAM	1	0	17.30	17.21	17.29	19	0
10	16QAM	1	25	17.05	17.12	17.49		
10	16QAM	1	49	17.39	17.48	17.35		
10	16QAM	25	0	17.47	17.27	17.50	19	0
10	16QAM	25	12	17.35	17.48	17.00		
10	16QAM	25	25	17.16	17.35	17.11		
10	16QAM	50	0	17.23	17.43	17.52		
10	64QAM	1	0	17.20	17.40	17.49	19	0
10	64QAM	1	25	17.19	17.36	17.22		
10	64QAM	1	49	17.45	17.29	17.46		
10	64QAM	25	0	17.35	17.56	17.03	19	0
10	64QAM	25	12	17.21	17.02	17.35		
10	64QAM	25	25	17.38	17.06	17.03		
10	64QAM	50	0	17.24	17.27	17.38		
10	256QAM	1	0	17.35	17.37	17.33	19	0
10	256QAM	1	25	17.51	17.39	17.41		
10	256QAM	1	49	17.07	17.30	17.45		
10	256QAM	25	0	17.32	17.32	17.33	19	0
10	256QAM	25	12	17.34	17.44	17.39		
10	256QAM	25	25	17.36	17.39	17.27		
10	256QAM	50	0	17.32	17.38	17.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	17.33	17.49	17.37	19	0
5	QPSK	1	12	17.44	17.45	17.34		
5	QPSK	1	24	17.24	17.30	17.26		
5	QPSK	12	0	17.13	17.35	17.31	19	0
5	QPSK	12	7	17.32	17.38	17.22		
5	QPSK	12	13	17.39	17.19	17.18		
5	QPSK	25	0	17.12	17.22	17.17		
5	16QAM	1	0	17.24	17.21	17.50	19	0
5	16QAM	1	12	17.10	17.13	17.28		
5	16QAM	1	24	17.46	17.31	17.13		
5	16QAM	12	0	17.34	17.27	17.50	19	0
5	16QAM	12	7	17.37	17.34	17.13		
5	16QAM	12	13	17.09	17.20	17.09		
5	16QAM	25	0	17.30	17.55	17.36		
5	64QAM	1	0	17.04	17.48	17.48	19	0
5	64QAM	1	12	17.15	17.22	17.40		
5	64QAM	1	24	17.33	17.16	17.36		
5	64QAM	12	0	17.36	17.44	17.18	19	0
5	64QAM	12	7	17.20	17.06	17.57		
5	64QAM	12	13	17.34	17.06	17.03		
5	64QAM	25	0	17.22	17.08	17.53		
5	256QAM	1	0	17.18	17.46	17.17	19	0
5	256QAM	1	12	17.37	17.44	17.38		
5	256QAM	1	24	17.13	17.42	17.36		
5	256QAM	12	0	17.28	17.19	17.45	19	0
5	256QAM	12	7	17.46	17.32	17.45		
5	256QAM	12	13	17.37	17.38	17.28		
5	256QAM	25	0	17.17	17.38	17.41		

Band 41 Ant4 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.34	17.25	17.51	17.34	17.38	19	0
20	QPSK	1	49	17.31	17.17	17.20	17.35	17.24		
20	QPSK	1	99	17.42	17.21	17.29	17.25	17.29		
20	QPSK	50	0	17.33	17.32	17.47	17.29	17.29	19	0
20	QPSK	50	24	17.45	17.21	17.41	17.18	17.46		
20	QPSK	50	50	17.27	17.01	17.04	17.10	17.35		
20	QPSK	100	0	17.31	17.27	17.51	17.27	17.37		
20	16QAM	1	0	17.36	17.14	17.45	17.34	17.48	19	0
20	16QAM	1	49	17.24	17.15	17.49	17.20	17.38		
20	16QAM	1	99	17.22	17.13	17.29	17.16	17.36		
20	16QAM	50	0	17.28	17.34	17.37	17.27	17.47	19	0
20	16QAM	50	24	17.12	17.09	17.27	17.37	17.02		
20	16QAM	50	50	17.33	17.19	17.43	17.29	17.41		
20	16QAM	100	0	17.28	17.19	17.47	17.23	17.30		
20	64QAM	1	0	17.38	17.31	17.45	17.34	17.37	19	0
20	64QAM	1	49	17.35	17.29	17.49	17.22	17.33		
20	64QAM	1	99	17.42	17.14	17.29	17.33	17.43		
20	64QAM	50	0	17.26	17.11	17.18	17.29	17.31	19	0
20	64QAM	50	24	17.40	17.34	17.49	17.18	17.32		
20	64QAM	50	50	17.28	17.24	17.34	17.19	17.32		
20	64QAM	100	0	17.33	17.22	17.47	17.36	17.33		
20	256QAM	1	0	17.43	17.27	17.29	17.32	17.29	19	0
20	256QAM	1	49	17.38	17.11	17.16	17.13	17.14		
20	256QAM	1	99	17.30	17.31	17.39	17.24	17.48		
20	256QAM	50	0	17.42	17.28	17.38	17.25	17.25	19	0
20	256QAM	50	24	17.22	17.00	17.14	17.18	17.23		
20	256QAM	50	50	17.21	17.10	17.23	17.29	17.07		
20	256QAM	100	0	17.28	17.30	17.50	17.19	17.30		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.21	17.05	17.25	17.15	17.22	19	0
15	QPSK	1	37	17.17	17.04	17.39	17.08	17.26		
15	QPSK	1	74	17.29	17.00	17.22	17.20	17.17		
15	QPSK	36	0	17.25	17.13	17.33	17.06	17.08	19	0
15	QPSK	36	20	17.36	17.06	17.34	17.04	17.27		
15	QPSK	36	39	17.10	17.13	17.28	17.08	17.10		
15	QPSK	75	0	17.23	17.09	17.44	17.16	17.25		
15	16QAM	1	0	17.15	17.00	17.29	17.09	17.35	19	0
15	16QAM	1	37	17.27	17.15	17.22	17.27	17.12		
15	16QAM	1	74	17.24	17.01	17.29	17.06	17.27		
15	16QAM	36	0	17.12	17.27	17.18	17.10	17.20	19	0
15	16QAM	36	20	17.12	17.11	17.28	17.17	17.24		
15	16QAM	36	39	17.13	17.07	17.14	17.08	17.29		
15	16QAM	75	0	17.27	17.00	17.31	17.16	17.25		
15	64QAM	1	0	17.22	17.24	17.25	17.21	17.12	19	0
15	64QAM	1	37	17.19	17.05	17.31	17.00	17.06		
15	64QAM	1	74	17.31	17.07	17.22	17.25	17.31		
15	64QAM	36	0	17.10	17.14	17.44	17.18	17.30	19	0
15	64QAM	36	20	17.25	17.28	17.31	17.05	17.18		
15	64QAM	36	39	17.05	17.01	17.28	17.04	17.19		
15	64QAM	75	0	17.19	17.14	17.35	17.08	17.06		
15	256QAM	1	0	17.31	17.01	17.02	17.03	17.01	19	0
15	256QAM	1	37	17.09	17.11	17.41	17.09	17.30		
15	256QAM	1	74	17.18	17.12	17.28	17.00	17.22		
15	256QAM	36	0	17.33	17.15	17.17	17.00	17.09	19	0
15	256QAM	36	20	17.17	17.01	17.43	17.09	17.09		
15	256QAM	36	39	17.25	17.08	17.38	17.16	17.14		
15	256QAM	75	0	17.26	17.07	17.32	17.15	17.25		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.22	17.01	17.44	17.06	17.18	19	0
10	QPSK	1	25	17.15	17.09	17.45	17.14	17.22		
10	QPSK	1	49	17.34	17.11	17.03	17.11	17.02		
10	QPSK	25	0	17.18	17.25	17.23	17.02	17.10	19	0
10	QPSK	25	12	17.23	17.03	17.15	17.00	17.35		
10	QPSK	25	25	17.26	17.17	17.34	17.11	17.31		
10	QPSK	50	0	17.15	17.14	17.30	17.10	17.23		
10	16QAM	1	0	17.22	17.14	17.45	17.24	17.25	19	0
10	16QAM	1	25	17.14	17.11	17.31	17.10	17.13		
10	16QAM	1	49	17.26	17.10	17.37	17.27	17.26		
10	16QAM	25	0	17.00	17.20	17.18	17.15	17.28	19	0
10	16QAM	25	12	17.07	17.02	17.31	17.26	17.28		
10	16QAM	25	25	17.18	17.04	17.34	17.22	17.30		
10	16QAM	50	0	17.15	17.05	17.30	17.09	17.05		
10	64QAM	1	0	17.17	17.14	17.39	17.13	17.14	19	0
10	64QAM	1	25	17.16	17.17	17.27	17.02	17.12		
10	64QAM	1	49	17.24	17.08	17.06	17.20	17.25		
10	64QAM	25	0	17.16	17.02	17.45	17.11	17.18	19	0
10	64QAM	25	12	17.26	17.05	17.24	17.05	17.04		
10	64QAM	25	25	17.19	17.01	17.37	17.10	17.09		
10	64QAM	50	0	17.13	17.11	17.22	17.26	17.26		
10	256QAM	1	0	17.34	17.21	17.00	17.14	17.11	19	0
10	256QAM	1	25	17.14	17.01	17.27	17.08	17.19		
10	256QAM	1	49	17.21	17.10	17.45	17.06	17.25		
10	256QAM	25	0	17.31	17.17	17.27	17.12	17.17	19	0
10	256QAM	25	12	17.20	17.16	17.33	17.10	17.30		
10	256QAM	25	25	17.10	17.08	17.35	17.20	17.24		
10	256QAM	50	0	17.15	17.13	17.31	17.09	17.05		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.22	17.11	17.30	17.15	17.11	19	0
5	QPSK	1	12	17.14	17.00	17.11	17.27	17.02		
5	QPSK	1	24	17.19	17.13	17.03	17.07	17.15		
5	QPSK	12	0	17.25	17.13	17.29	17.15	17.18	19	0
5	QPSK	12	7	17.30	17.02	17.15	17.02	17.38		
5	QPSK	12	13	17.07	17.02	17.28	17.26	17.25		
5	QPSK	25	0	17.20	17.07	17.23	17.16	17.12		
5	16QAM	1	0	17.26	17.00	17.40	17.15	17.29	19	0
5	16QAM	1	12	17.10	17.14	17.24	17.15	17.30		
5	16QAM	1	24	17.14	17.05	17.10	17.01	17.24		
5	16QAM	12	0	17.20	17.12	17.34	17.12	17.17	19	0
5	16QAM	12	7	17.21	17.05	17.37	17.15	17.21		
5	16QAM	12	13	17.19	17.08	17.26	17.13	17.33		
5	16QAM	25	0	17.13	17.04	17.29	17.00	17.24		
5	64QAM	1	0	17.25	17.07	17.21	17.14	17.14	19	0
5	64QAM	1	12	17.21	17.14	17.24	17.15	17.06		
5	64QAM	1	24	17.12	17.05	17.27	17.24	17.14		
5	64QAM	12	0	17.19	17.06	17.40	17.19	17.24	19	0
5	64QAM	12	7	17.24	17.11	17.33	17.09	17.21		
5	64QAM	12	13	17.12	17.14	17.07	17.10	17.04		
5	64QAM	25	0	17.08	17.17	17.32	17.16	17.08		
5	256QAM	1	0	17.17	17.16	17.18	17.18	17.22	19	0
5	256QAM	1	12	17.09	17.04	17.35	17.21	17.24		
5	256QAM	1	24	17.12	17.02	17.18	17.18	17.33		
5	256QAM	12	0	17.16	17.15	17.42	17.22	17.32	19	0
5	256QAM	12	7	17.21	17.19	17.23	17.27	17.14		
5	256QAM	12	13	17.15	17.02	17.33	17.13	17.23		
5	256QAM	25	0	17.13	17.19	17.29	17.04	17.19		

		WCDMA IV Ant5 DSI1			Tune-up Limit (dBm)
Band		WCDMA IV Ant5			
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.86	20.90	20.80	22.50
3GPP Rel 99	RMC 12.2Kbps	20.89	20.93	20.83	22.50
3GPP Rel 6	HSDPA Subtest-1	19.87	19.96	19.96	21.50
3GPP Rel 6	HSDPA Subtest-2	19.88	19.89	19.91	21.50
3GPP Rel 6	HSDPA Subtest-3	19.41	19.46	19.49	21.00
3GPP Rel 6	HSDPA Subtest-4	19.32	19.38	19.39	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.99	19.92	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	19.88	19.84	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.23	19.43	19.34	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.20	19.33	19.31	21.00
3GPP Rel 6	HSUPA Subtest-1	19.75	19.89	19.87	21.50
3GPP Rel 6	HSUPA Subtest-2	17.92	18.00	17.87	19.50
3GPP Rel 6	HSUPA Subtest-3	18.95	19.06	19.04	20.50
3GPP Rel 6	HSUPA Subtest-4	17.81	17.86	17.89	19.50
3GPP Rel 6	HSUPA Subtest-5	19.77	19.89	19.79	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.43	17.51	17.53	19.00

Band 4 Ant5 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.99	21.07	20.95	22.5	0
20	QPSK	1	49	20.92	20.99	20.93		
20	QPSK	1	99	20.91	20.94	20.82		
20	QPSK	50	0	19.88	20.02	19.97	21.5	1
20	QPSK	50	24	19.91	19.96	19.84		
20	QPSK	50	50	19.84	19.91	19.81		
20	QPSK	100	0	19.82	19.95	19.85		
20	16QAM	1	0	20.00	20.07	19.97	21.5	1
20	16QAM	1	49	19.90	20.01	19.96		
20	16QAM	1	99	19.84	19.97	19.85		
20	16QAM	50	0	18.95	19.03	18.93	20.5	2
20	16QAM	50	24	18.85	18.95	18.87		
20	16QAM	50	50	18.89	18.99	18.92		
20	16QAM	100	0	18.84	18.97	18.85		
20	64QAM	1	0	18.96	19.04	18.90	20.5	2
20	64QAM	1	49	18.94	18.98	18.85		
20	64QAM	1	99	18.87	18.94	18.85		
20	64QAM	50	0	17.87	17.97	17.90	19.5	3
20	64QAM	50	24	17.77	17.88	17.83		
20	64QAM	50	50	17.89	17.93	17.90		
20	64QAM	100	0	17.91	17.96	17.82		
20	256QAM	1	0	15.98	16.07	16.02	17.5	5
20	256QAM	1	49	15.99	16.04	15.96		
20	256QAM	1	99	15.92	15.99	15.93		
20	256QAM	50	0	15.81	15.96	15.84	17.5	5
20	256QAM	50	24	15.81	15.86	15.72		
20	256QAM	50	50	15.85	15.92	15.80		
20	256QAM	100	0	15.84	15.93	15.89		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.95	20.92	20.84	22.5	0
15	QPSK	1	37	20.84	20.84	20.82		
15	QPSK	1	74	20.86	20.87	20.76		
15	QPSK	36	0	19.79	19.98	19.94	21.5	1
15	QPSK	36	20	19.81	19.82	19.77		
15	QPSK	36	39	19.83	19.87	19.76		
15	QPSK	75	0	19.80	19.87	19.72		
15	16QAM	1	0	19.95	19.96	19.88	21.5	1
15	16QAM	1	37	19.83	19.88	19.85		
15	16QAM	1	74	19.72	19.94	19.74		
15	16QAM	36	0	18.87	18.93	18.79	20.5	2
15	16QAM	36	20	18.77	18.87	18.79		
15	16QAM	36	39	18.84	18.87	18.77		
15	16QAM	75	0	18.80	18.86	18.72		
15	64QAM	1	0	18.82	18.96	18.80	20.5	2
15	64QAM	1	37	18.85	18.92	18.72		
15	64QAM	1	74	18.82	18.82	18.73		
15	64QAM	36	0	17.74	17.93	17.77	19.5	3
15	64QAM	36	20	17.75	17.77	17.72		
15	64QAM	36	39	17.75	17.88	17.80		
15	64QAM	75	0	17.76	17.84	17.74		
15	256QAM	1	0	15.85	16.03	15.92	17.5	5
15	256QAM	1	37	15.91	15.97	15.86		
15	256QAM	1	74	15.78	15.86	15.84		
15	256QAM	36	0	15.73	15.84	15.79	17.5	5
15	256QAM	36	20	15.71	15.83	15.81		
15	256QAM	36	39	15.72	15.80	15.75		
15	256QAM	75	0	15.71	15.88	15.84		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.96	20.89	22.5	0
10	QPSK	1	25	20.86	20.94	20.84		
10	QPSK	1	49	20.76	20.81	20.77		
10	QPSK	25	0	19.85	19.91	19.93	21.5	1
10	QPSK	25	12	19.85	19.89	19.81		
10	QPSK	25	25	19.75	19.84	19.72		
10	QPSK	50	0	19.71	19.91	19.76		
10	16QAM	1	0	19.89	20.00	19.89	21.5	1
10	16QAM	1	25	19.79	19.95	19.89		
10	16QAM	1	49	19.72	19.92	19.72		
10	16QAM	25	0	18.82	18.98	18.84	20.5	2
10	16QAM	25	12	18.75	18.84	18.78		
10	16QAM	25	25	18.77	18.86	18.80		
10	16QAM	50	0	18.79	18.85	18.82		
10	64QAM	1	0	18.88	18.92	18.85	20.5	2
10	64QAM	1	25	18.85	18.95	18.74		
10	64QAM	1	49	18.72	18.81	18.77		
10	64QAM	25	0	17.80	17.86	17.77	19.5	3
10	64QAM	25	12	17.74	17.77	17.75		
10	64QAM	25	25	17.78	17.80	17.79		
10	64QAM	50	0	17.81	17.84	17.76		
10	256QAM	1	0	15.94	15.93	15.90	17.5	5
10	256QAM	1	25	15.86	15.97	15.83		
10	256QAM	1	49	15.80	15.96	15.85		
10	256QAM	25	0	15.72	15.81	15.72	17.5	5
10	256QAM	25	12	15.71	15.81	15.77		
10	256QAM	25	25	15.76	15.88	15.82		
10	256QAM	50	0	15.76	15.88	15.80		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.90	20.96	20.91	22.5	0
5	QPSK	1	12	20.88	20.87	20.84		
5	QPSK	1	24	20.88	20.89	20.77		
5	QPSK	12	0	19.77	19.92	19.90	21.5	1
5	QPSK	12	7	19.77	19.85	19.80		
5	QPSK	12	13	19.73	19.83	19.72		
5	QPSK	25	0	19.75	19.86	19.78		
5	16QAM	1	0	19.93	20.03	19.94	21.5	1
5	16QAM	1	12	19.82	19.97	19.84		
5	16QAM	1	24	19.71	19.84	19.80		
5	16QAM	12	0	18.83	19.00	18.88	20.5	2
5	16QAM	12	7	18.77	18.87	18.80		
5	16QAM	12	13	18.76	18.93	18.80		
5	16QAM	25	0	18.80	18.91	18.79		
5	64QAM	1	0	18.90	18.95	18.80	20.5	2
5	64QAM	1	12	18.85	18.87	18.74		
5	64QAM	1	24	18.72	18.89	18.73		
5	64QAM	12	0	17.80	17.85	17.79	19.5	3
5	64QAM	12	7	17.74	17.76	17.71		
5	64QAM	12	13	17.85	17.80	17.86		
5	64QAM	25	0	17.86	17.83	17.78		
5	256QAM	1	0	15.91	16.01	15.93	17.5	5
5	256QAM	1	12	15.92	15.97	15.90		
5	256QAM	1	24	15.82	15.90	15.88		
5	256QAM	12	0	15.87	15.92	15.73	17.5	5
5	256QAM	12	7	15.73	15.73	15.71		
5	256QAM	12	13	15.77	15.80	15.75		
5	256QAM	25	0	15.80	15.89	15.78		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.96	20.97	20.92	22.5	0
3	QPSK	1	8	20.84	20.93	20.89		
3	QPSK	1	14	20.80	20.83	20.75		
3	QPSK	8	0	19.84	19.99	19.91	21.5	1
3	QPSK	8	4	19.80	19.93	19.78		
3	QPSK	8	7	19.72	19.76	19.75		
3	QPSK	15	0	19.77	19.83	19.73		
3	16QAM	1	0	19.94	19.94	19.84	21.5	1
3	16QAM	1	8	19.75	19.97	19.81		
3	16QAM	1	14	19.78	19.87	19.72		
3	16QAM	8	0	18.92	18.99	18.90	20.5	2
3	16QAM	8	4	18.79	18.89	18.81		
3	16QAM	8	7	18.77	18.89	18.77		
3	16QAM	15	0	18.72	18.85	18.81		
3	64QAM	1	0	18.90	18.97	18.78	20.5	2
3	64QAM	1	8	18.90	18.87	18.81		
3	64QAM	1	14	18.84	18.80	18.77		
3	64QAM	8	0	17.81	17.84	17.87	19.5	3
3	64QAM	8	4	17.74	17.77	17.73		
3	64QAM	8	7	17.86	17.84	17.78		
3	64QAM	15	0	17.87	17.86	17.78		
3	256QAM	1	0	15.88	15.94	15.94	17.5	5
3	256QAM	1	8	15.92	15.98	15.86		
3	256QAM	1	14	15.82	15.89	15.85		
3	256QAM	8	0	15.73	15.93	15.79	17.5	5
3	256QAM	8	4	15.71	15.76	15.73		
3	256QAM	8	7	15.73	15.79	15.75		
3	256QAM	15	0	15.72	15.89	15.80		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.95	20.97	20.85	22.5	0
1.4	QPSK	1	3	20.85	20.93	20.80		
1.4	QPSK	1	5	20.87	20.82	20.73		
1.4	QPSK	3	0	20.90	20.94	20.85		
1.4	QPSK	3	1	20.89	20.85	20.86		
1.4	QPSK	3	3	20.76	20.80	20.76		
1.4	QPSK	6	0	19.77	19.93	19.82	21.5	1
1.4	16QAM	1	0	19.80	19.88	19.80	21.5	1
1.4	16QAM	1	3	19.76	19.83	19.71		
1.4	16QAM	1	5	19.77	19.91	19.82		
1.4	16QAM	3	0	19.93	19.94	19.91		
1.4	16QAM	3	1	19.75	19.88	19.89		
1.4	16QAM	3	3	19.73	19.88	19.71		
1.4	16QAM	6	0	18.91	18.93	18.89	20.5	2
1.4	64QAM	1	0	18.90	18.91	18.83	20.5	2
1.4	64QAM	1	3	18.76	18.84	18.88		
1.4	64QAM	1	5	18.92	18.97	18.83		
1.4	64QAM	3	0	18.84	18.92	18.75		
1.4	64QAM	3	1	18.84	18.87	18.74		
1.4	64QAM	3	3	18.78	18.83	18.79		
1.4	64QAM	6	0	17.74	17.80	17.75	19.5	3
1.4	256QAM	1	0	15.88	15.96	15.93	17.5	5
1.4	256QAM	1	3	15.92	15.90	15.87		
1.4	256QAM	1	5	15.87	15.96	15.78		
1.4	256QAM	3	0	15.89	15.92	15.72		
1.4	256QAM	3	1	15.73	15.76	15.74		
1.4	256QAM	3	3	15.81	15.84	15.75		
1.4	256QAM	6	0	15.80	15.85	15.75	17.5	5

Band 7 Ant5 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.52	20.65	20.51	22	0
20	QPSK	1	49	20.46	20.56	20.46		
20	QPSK	1	99	20.48	20.51	20.42		
20	QPSK	50	0	19.44	19.64	19.59	21	1
20	QPSK	50	24	19.55	19.55	19.49		
20	QPSK	50	50	19.45	19.50	19.41		
20	QPSK	100	0	19.40	19.52	19.47		
20	16QAM	1	0	19.60	19.70	19.54	21	1
20	16QAM	1	49	19.49	19.61	19.59		
20	16QAM	1	99	19.49	19.57	19.43		
20	16QAM	50	0	18.51	18.65	18.53	20	2
20	16QAM	50	24	18.45	18.61	18.51		
20	16QAM	50	50	18.55	18.64	18.55		
20	16QAM	100	0	18.40	18.54	18.47		
20	64QAM	1	0	18.53	18.66	18.55	20	2
20	64QAM	1	49	18.55	18.60	18.41		
20	64QAM	1	99	18.43	18.52	18.46		
20	64QAM	50	0	17.42	17.52	17.46	19	3
20	64QAM	50	24	17.42	17.53	17.43		
20	64QAM	50	50	17.54	17.57	17.47		
20	64QAM	100	0	17.49	17.51	17.37		
20	256QAM	1	0	15.57	15.70	15.65	17	5
20	256QAM	1	49	15.61	15.59	15.53		
20	256QAM	1	99	15.49	15.58	15.53		
20	256QAM	50	0	15.41	15.51	15.46	17	5
20	256QAM	50	24	15.46	15.49	15.36		
20	256QAM	50	50	15.49	15.52	15.45		
20	256QAM	100	0	15.39	15.56	15.53		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.39	20.56	20.38	22	0
15	QPSK	1	37	20.33	20.50	20.34		
15	QPSK	1	74	20.40	20.41	20.32		
15	QPSK	36	0	19.32	19.56	19.56	21	1
15	QPSK	36	20	19.48	19.43	19.46		
15	QPSK	36	39	19.31	19.45	19.34		
15	QPSK	75	0	19.26	19.38	19.39		
15	16QAM	1	0	19.52	19.59	19.44	21	1
15	16QAM	1	37	19.40	19.51	19.49		
15	16QAM	1	74	19.38	19.47	19.36		
15	16QAM	36	0	18.42	18.50	18.48	20	2
15	16QAM	36	20	18.30	18.56	18.46		
15	16QAM	36	39	18.46	18.57	18.50		
15	16QAM	75	0	18.27	18.45	18.40		
15	64QAM	1	0	18.38	18.62	18.43	20	2
15	64QAM	1	37	18.50	18.46	18.34		
15	64QAM	1	74	18.34	18.38	18.38		
15	64QAM	36	0	17.36	17.42	17.36	19	3
15	64QAM	36	20	17.28	17.40	17.37		
15	64QAM	36	39	17.43	17.50	17.34		
15	64QAM	75	0	17.44	17.41	17.33		
15	256QAM	1	0	15.51	15.65	15.58	17	5
15	256QAM	1	37	15.48	15.51	15.45		
15	256QAM	1	74	15.45	15.46	15.50		
15	256QAM	36	0	15.28	15.39	15.40	17	5
15	256QAM	36	20	15.32	15.36	15.23		
15	256QAM	36	39	15.35	15.37	15.40		
15	256QAM	75	0	15.34	15.43	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.40	20.55	20.43	22	0
10	QPSK	1	25	20.34	20.49	20.36		
10	QPSK	1	49	20.43	20.38	20.37		
10	QPSK	25	0	19.39	19.49	19.46	21	1
10	QPSK	25	12	19.43	19.51	19.35		
10	QPSK	25	25	19.33	19.44	19.34		
10	QPSK	50	0	19.34	19.44	19.43		
10	16QAM	1	0	19.51	19.64	19.49	21	1
10	16QAM	1	25	19.44	19.57	19.49		
10	16QAM	1	49	19.42	19.45	19.35		
10	16QAM	25	0	18.41	18.62	18.39	20	2
10	16QAM	25	12	18.40	18.50	18.43		
10	16QAM	25	25	18.49	18.52	18.44		
10	16QAM	50	0	18.35	18.44	18.39		
10	64QAM	1	0	18.44	18.56	18.41	20	2
10	64QAM	1	25	18.47	18.51	18.34		
10	64QAM	1	49	18.38	18.47	18.34		
10	64QAM	25	0	17.37	17.45	17.40	19	3
10	64QAM	25	12	17.32	17.50	17.34		
10	64QAM	25	25	17.39	17.46	17.38		
10	64QAM	50	0	17.39	17.44	17.28		
10	256QAM	1	0	15.53	15.61	15.59	17	5
10	256QAM	1	25	15.49	15.50	15.41		
10	256QAM	1	49	15.40	15.44	15.39		
10	256QAM	25	0	15.28	15.45	15.39	17	5
10	256QAM	25	12	15.35	15.38	15.22		
10	256QAM	25	25	15.36	15.38	15.39		
10	256QAM	50	0	15.30	15.51	15.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.43	20.52	20.38	22	0
5	QPSK	1	12	20.36	20.45	20.41		
5	QPSK	1	24	20.35	20.47	20.36		
5	QPSK	12	0	19.35	19.57	19.55	21	1
5	QPSK	12	7	19.45	19.50	19.35		
5	QPSK	12	13	19.39	19.46	19.34		
5	QPSK	25	0	19.26	19.45	19.39		
5	16QAM	1	0	19.52	19.58	19.40	21	1
5	16QAM	1	12	19.40	19.51	19.47		
5	16QAM	1	24	19.45	19.45	19.39		
5	16QAM	12	0	18.44	18.51	18.41	20	2
5	16QAM	12	7	18.37	18.55	18.43		
5	16QAM	12	13	18.44	18.57	18.41		
5	16QAM	25	0	18.30	18.47	18.34		
5	64QAM	1	0	18.43	18.60	18.46	20	2
5	64QAM	1	12	18.48	18.50	18.26		
5	64QAM	1	24	18.32	18.48	18.32		
5	64QAM	12	0	17.28	17.38	17.33	19	3
5	64QAM	12	7	17.39	17.50	17.28		
5	64QAM	12	13	17.41	17.52	17.39		
5	64QAM	25	0	17.44	17.46	17.28		
5	256QAM	1	0	15.48	15.63	15.52	17	5
5	256QAM	1	12	15.48	15.47	15.43		
5	256QAM	1	24	15.45	15.55	15.43		
5	256QAM	12	0	15.35	15.47	15.39	17	5
5	256QAM	12	7	15.37	15.37	15.26		
5	256QAM	12	13	15.46	15.48	15.41		
5	256QAM	25	0	15.27	15.43	15.47		

Band 66 Ant5 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.04	21.14	21.12	22.5	0
20	QPSK	1	49	21.00	21.05	21.03		
20	QPSK	1	99	21.03	21.00	20.88		
20	QPSK	50	0	20.00	20.14	20.05	21.5	1
20	QPSK	50	24	20.06	20.07	19.97		
20	QPSK	50	50	19.88	19.95	19.86		
20	QPSK	100	0	19.88	20.02	19.99		
20	16QAM	1	0	20.08	20.22	20.02	21.5	1
20	16QAM	1	49	19.99	20.06	20.04		
20	16QAM	1	99	19.97	20.11	19.93		
20	16QAM	50	0	19.06	19.16	19.06	20.5	2
20	16QAM	50	24	18.91	19.05	18.98		
20	16QAM	50	50	19.04	19.05	19.03		
20	16QAM	100	0	18.99	19.05	19.00		
20	64QAM	1	0	19.07	19.08	19.03	20.5	2
20	64QAM	1	49	19.01	19.07	18.93		
20	64QAM	1	99	19.00	18.99	18.96		
20	64QAM	50	0	17.95	18.03	18.03	19.5	3
20	64QAM	50	24	17.85	17.95	17.97		
20	64QAM	50	50	17.96	18.00	17.99		
20	64QAM	100	0	18.02	18.08	17.90		
20	256QAM	1	0	16.08	16.16	16.10	17.5	5
20	256QAM	1	49	16.08	16.13	16.10		
20	256QAM	1	99	16.07	16.06	16.02		
20	256QAM	50	0	15.95	16.04	15.93	17.5	5
20	256QAM	50	24	15.90	15.98	15.81		
20	256QAM	50	50	15.94	16.04	15.90		
20	256QAM	100	0	15.95	16.01	15.95		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.98	21.08	21.04	22.5	0
15	QPSK	1	37	20.86	20.95	20.96		
15	QPSK	1	74	20.99	20.87	20.83		
15	QPSK	36	0	19.87	20.04	19.96	21.5	1
15	QPSK	36	20	19.96	19.98	19.83		
15	QPSK	36	39	19.79	19.90	19.81		
15	QPSK	75	0	19.77	19.95	19.93		
15	16QAM	1	0	19.95	20.16	19.93	21.5	1
15	16QAM	1	37	19.94	20.01	20.01		
15	16QAM	1	74	19.85	19.98	19.86		
15	16QAM	36	0	18.96	19.11	18.98	20.5	2
15	16QAM	36	20	18.83	19.00	18.94		
15	16QAM	36	39	18.97	18.94	18.88		
15	16QAM	75	0	18.90	18.92	18.86		
15	64QAM	1	0	18.98	19.00	18.93	20.5	2
15	64QAM	1	37	18.88	19.01	18.78		
15	64QAM	1	74	18.93	18.92	18.86		
15	64QAM	36	0	17.88	17.89	17.95	19.5	3
15	64QAM	36	20	17.75	17.84	17.82		
15	64QAM	36	39	17.90	17.92	17.86		
15	64QAM	75	0	17.93	17.93	17.82		
15	256QAM	1	0	15.93	16.06	16.03	17.5	5
15	256QAM	1	37	16.02	16.02	16.03		
15	256QAM	1	74	15.98	15.99	15.92		
15	256QAM	36	0	15.86	15.92	15.86	17.5	5
15	256QAM	36	20	15.85	15.88	15.77		
15	256QAM	36	39	15.87	15.93	15.85		
15	256QAM	75	0	15.91	15.96	15.85		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.99	21.09	21.06	22.5	0
10	QPSK	1	25	20.92	20.95	20.92		
10	QPSK	1	49	20.93	20.96	20.78		
10	QPSK	25	0	19.92	20.00	19.96	21.5	1
10	QPSK	25	12	19.93	19.98	19.91		
10	QPSK	25	25	19.74	19.86	19.72		
10	QPSK	50	0	19.82	19.97	19.94		
10	16QAM	1	0	19.98	20.16	19.98	21.5	1
10	16QAM	1	25	19.94	19.92	19.95		
10	16QAM	1	49	19.82	20.04	19.84		
10	16QAM	25	0	18.95	19.05	18.94	20.5	2
10	16QAM	25	12	18.79	18.99	18.92		
10	16QAM	25	25	18.91	18.96	18.96		
10	16QAM	50	0	18.86	18.95	18.93		
10	64QAM	1	0	19.04	18.99	18.92	20.5	2
10	64QAM	1	25	18.90	19.01	18.82		
10	64QAM	1	49	18.94	18.91	18.93		
10	64QAM	25	0	17.91	17.89	17.94	19.5	3
10	64QAM	25	12	17.79	17.82	17.88		
10	64QAM	25	25	17.87	17.91	17.89		
10	64QAM	50	0	17.93	17.99	17.79		
10	256QAM	1	0	15.94	16.06	16.06	17.5	5
10	256QAM	1	25	15.99	16.09	15.99		
10	256QAM	1	49	16.04	16.00	15.92		
10	256QAM	25	0	15.80	15.98	15.81	17.5	5
10	256QAM	25	12	15.81	15.90	15.75		
10	256QAM	25	25	15.87	15.90	15.84		
10	256QAM	50	0	15.81	15.95	15.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.98	21.05	20.99	22.5	0
5	QPSK	1	12	20.89	20.92	20.91		
5	QPSK	1	24	20.91	20.97	20.80		
5	QPSK	12	0	19.92	20.05	19.96	21.5	1
5	QPSK	12	7	19.94	19.98	19.89		
5	QPSK	12	13	19.73	19.90	19.77		
5	QPSK	25	0	19.82	19.92	19.95		
5	16QAM	1	0	20.03	20.10	19.96	21.5	1
5	16QAM	1	12	19.87	20.02	19.95		
5	16QAM	1	24	19.82	19.98	19.88		
5	16QAM	12	0	19.02	19.02	18.91	20.5	2
5	16QAM	12	7	18.79	18.99	18.85		
5	16QAM	12	13	19.01	18.99	18.97		
5	16QAM	25	0	18.88	18.99	18.88		
5	64QAM	1	0	18.95	18.97	18.90	20.5	2
5	64QAM	1	12	18.87	18.96	18.83		
5	64QAM	1	24	18.85	18.87	18.84		
5	64QAM	12	0	17.90	17.88	17.88	19.5	3
5	64QAM	12	7	17.73	17.82	17.86		
5	64QAM	12	13	17.90	17.86	17.89		
5	64QAM	25	0	17.96	18.04	17.85		
5	256QAM	1	0	16.03	16.09	15.99	17.5	5
5	256QAM	1	12	15.97	16.08	16.03		
5	256QAM	1	24	16.02	15.98	15.94		
5	256QAM	12	0	15.84	15.90	15.87	17.5	5
5	256QAM	12	7	15.75	15.86	15.70		
5	256QAM	12	13	15.86	16.00	15.85		
5	256QAM	25	0	15.85	15.93	15.91		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.96	21.02	21.03	22.5	0
3	QPSK	1	8	20.94	20.95	20.92		
3	QPSK	1	14	20.88	20.87	20.78		
3	QPSK	8	0	19.96	20.05	19.95	21.5	1
3	QPSK	8	4	19.93	19.99	19.90		
3	QPSK	8	7	19.82	19.85	19.72		
3	QPSK	15	0	19.75	19.93	19.94		
3	16QAM	1	0	20.04	20.09	19.95	21.5	1
3	16QAM	1	8	19.92	19.96	19.90		
3	16QAM	1	14	19.83	20.05	19.87		
3	16QAM	8	0	18.92	19.10	18.94	20.5	2
3	16QAM	8	4	18.77	18.91	18.86		
3	16QAM	8	7	19.00	18.94	18.89		
3	16QAM	15	0	18.92	18.93	18.88		
3	64QAM	1	0	18.96	18.93	18.93	20.5	2
3	64QAM	1	8	18.88	19.02	18.83		
3	64QAM	1	14	18.92	18.88	18.88		
3	64QAM	8	0	17.81	17.99	17.90	19.5	3
3	64QAM	8	4	17.79	17.87	17.93		
3	64QAM	8	7	17.92	17.96	17.95		
3	64QAM	15	0	17.93	18.03	17.77		
3	256QAM	1	0	15.97	16.08	16.00	17.5	5
3	256QAM	1	8	16.02	16.08	15.96		
3	256QAM	1	14	15.99	15.95	15.89		
3	256QAM	8	0	15.81	15.90	15.81	17.5	5
3	256QAM	8	4	15.83	15.90	15.77		
3	256QAM	8	7	15.91	15.95	15.76		
3	256QAM	15	0	15.87	15.90	15.89		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.97	21.05	21.07	22.5	0
1.4	QPSK	1	3	20.90	21.00	20.89		
1.4	QPSK	1	5	20.93	20.88	20.80		
1.4	QPSK	3	0	20.94	21.01	21.00		
1.4	QPSK	3	1	20.93	21.00	20.95		
1.4	QPSK	3	3	20.92	20.87	20.73		
1.4	QPSK	6	0	19.92	20.02	20.01	21.5	1
1.4	16QAM	1	0	19.99	19.96	19.89	21.5	1
1.4	16QAM	1	3	19.84	19.89	19.71		
1.4	16QAM	1	5	19.79	19.90	19.86		
1.4	16QAM	3	0	19.96	20.16	19.96		
1.4	16QAM	3	1	19.86	19.99	19.98		
1.4	16QAM	3	3	19.91	20.01	19.86		
1.4	16QAM	6	0	18.93	19.03	19.01	20.5	2
1.4	64QAM	1	0	18.81	18.94	18.88	20.5	2
1.4	64QAM	1	3	18.94	18.97	18.92		
1.4	64QAM	1	5	18.85	19.00	18.89		
1.4	64QAM	3	0	18.97	19.04	18.91		
1.4	64QAM	3	1	18.87	19.04	18.84		
1.4	64QAM	3	3	18.88	18.89	18.86		
1.4	64QAM	6	0	17.91	17.95	17.92	19.5	3
1.4	256QAM	1	0	16.03	16.08	15.97	17.5	5
1.4	256QAM	1	3	15.97	16.10	15.96		
1.4	256QAM	1	5	15.98	15.92	15.96		
1.4	256QAM	3	0	15.82	15.96	15.80		
1.4	256QAM	3	1	15.79	15.90	15.74		
1.4	256QAM	3	3	15.88	15.93	15.80		
1.4	256QAM	6	0	15.86	15.92	15.80	17.5	5

Band 38 Ant5 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.26	20.31	20.23	22	0
20	QPSK	1	49	20.17	20.23	20.19		
20	QPSK	1	99	20.13	20.18	20.09		
20	QPSK	50	0	19.22	19.27	19.22	21	1
20	QPSK	50	24	19.12	19.21	19.21		
20	QPSK	50	50	19.16	19.16	19.06		
20	QPSK	100	0	19.16	19.23	19.20		
20	16QAM	1	0	19.24	19.27	19.25	21	1
20	16QAM	1	49	19.18	19.21	19.16		
20	16QAM	1	99	19.13	19.17	19.15		
20	16QAM	50	0	18.25	18.24	18.19	20	2
20	16QAM	50	24	18.07	18.16	18.12		
20	16QAM	50	50	18.17	18.20	18.21		
20	16QAM	100	0	18.20	18.20	18.15		
20	64QAM	1	0	18.26	18.25	18.21	20	2
20	64QAM	1	49	18.11	18.19	18.13		
20	64QAM	1	99	18.15	18.15	18.14		
20	64QAM	50	0	17.13	17.19	17.17	19	3
20	64QAM	50	24	17.08	17.10	17.08		
20	64QAM	50	50	17.13	17.15	17.09		
20	64QAM	100	0	17.32	17.31	17.27		
20	256QAM	1	0	15.17	15.26	15.21	17	5
20	256QAM	1	49	15.18	15.23	15.24		
20	256QAM	1	99	15.09	15.18	15.11		
20	256QAM	50	0	15.18	15.21	15.18	17	5
20	256QAM	50	24	15.04	15.11	15.11		
20	256QAM	50	50	15.17	15.17	15.11		
20	256QAM	100	0	15.13	15.22	15.16		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.25	20.25	20.16	22	0
15	QPSK	1	37	20.18	20.22	20.20		
15	QPSK	1	74	20.13	20.11	20.10		
15	QPSK	36	0	19.15	19.25	19.13	21	1
15	QPSK	36	20	19.04	19.17	19.20		
15	QPSK	36	39	19.13	19.08	19.05		
15	QPSK	75	0	19.11	19.22	19.15		
15	16QAM	1	0	19.25	19.27	19.25	21	1
15	16QAM	1	37	19.20	19.18	19.08		
15	16QAM	1	74	19.05	19.12	19.06		
15	16QAM	36	0	18.24	18.17	18.11	20	2
15	16QAM	36	20	18.03	18.17	18.14		
15	16QAM	36	39	18.10	18.14	18.20		
15	16QAM	75	0	18.14	18.11	18.10		
15	64QAM	1	0	18.17	18.23	18.15	20	2
15	64QAM	1	37	18.06	18.19	18.05		
15	64QAM	1	74	18.07	18.15	18.15		
15	64QAM	36	0	17.06	17.18	17.13	19	3
15	64QAM	36	20	17.04	17.05	17.09		
15	64QAM	36	39	17.05	17.06	17.02		
15	64QAM	75	0	17.32	17.28	17.28		
15	256QAM	1	0	15.17	15.17	15.20	17	5
15	256QAM	1	37	15.09	15.21	15.23		
15	256QAM	1	74	15.03	15.18	15.10		
15	256QAM	36	0	15.09	15.16	15.10	17	5
15	256QAM	36	20	15.05	15.03	15.07		
15	256QAM	36	39	15.12	15.14	15.07		
15	256QAM	75	0	15.13	15.19	15.10		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.23	20.28	20.21	22	0
10	QPSK	1	25	20.11	20.20	20.19		
10	QPSK	1	49	20.06	20.12	20.09		
10	QPSK	25	0	19.21	19.25	19.21	21	1
10	QPSK	25	12	19.14	19.18	19.16		
10	QPSK	25	25	19.08	19.12	19.00		
10	QPSK	50	0	19.08	19.21	19.14		
10	16QAM	1	0	19.15	19.21	19.23	21	1
10	16QAM	1	25	19.17	19.22	19.08		
10	16QAM	1	49	19.11	19.10	19.12		
10	16QAM	25	0	18.22	18.15	18.18	20	2
10	16QAM	25	12	18.05	18.16	18.10		
10	16QAM	25	25	18.11	18.10	18.18		
10	16QAM	50	0	18.13	18.17	18.16		
10	64QAM	1	0	18.18	18.23	18.23	20	2
10	64QAM	1	25	18.09	18.13	18.08		
10	64QAM	1	49	18.11	18.13	18.15		
10	64QAM	25	0	17.05	17.19	17.13	19	3
10	64QAM	25	12	17.09	17.02	17.00		
10	64QAM	25	25	17.04	17.15	17.08		
10	64QAM	50	0	17.27	17.24	17.25		
10	256QAM	1	0	15.11	15.22	15.21	17	5
10	256QAM	1	25	15.10	15.14	15.23		
10	256QAM	1	49	15.04	15.14	15.11		
10	256QAM	25	0	15.08	15.22	15.09	17	5
10	256QAM	25	12	15.03	15.12	15.10		
10	256QAM	25	25	15.18	15.12	15.07		
10	256QAM	50	0	15.12	15.23	15.14		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.24	20.29	20.20	22	0
5	QPSK	1	12	20.10	20.14	20.13		
5	QPSK	1	24	20.08	20.12	20.00		
5	QPSK	12	0	19.14	19.22	19.16	21	1
5	QPSK	12	7	19.03	19.21	19.15		
5	QPSK	12	13	19.15	19.17	19.05		
5	QPSK	25	0	19.11	19.14	19.20		
5	16QAM	1	0	19.21	19.20	19.18	21	1
5	16QAM	1	12	19.12	19.13	19.09		
5	16QAM	1	24	19.05	19.09	19.15		
5	16QAM	12	0	18.24	18.26	18.19	20	2
5	16QAM	12	7	18.04	18.07	18.09		
5	16QAM	12	13	18.16	18.21	18.16		
5	16QAM	25	0	18.17	18.22	18.16		
5	64QAM	1	0	18.23	18.26	18.22	20	2
5	64QAM	1	12	18.04	18.15	18.13		
5	64QAM	1	24	18.17	18.09	18.10		
5	64QAM	12	0	17.06	17.15	17.12	19	3
5	64QAM	12	7	17.05	17.08	17.07		
5	64QAM	12	13	17.11	17.13	17.02		
5	64QAM	25	0	17.31	17.26	17.23		
5	256QAM	1	0	15.12	15.27	15.13	17	5
5	256QAM	1	12	15.15	15.18	15.22		
5	256QAM	1	24	15.10	15.10	15.01		
5	256QAM	12	0	15.11	15.11	15.17	17	5
5	256QAM	12	7	15.05	15.06	15.09		
5	256QAM	12	13	15.13	15.17	15.05		
5	256QAM	25	0	15.13	15.20	15.13		

Band 41 Ant5 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.34	20.23	20.40	20.24	20.30	22	0
20	QPSK	1	49	20.24	20.27	20.36	20.30	20.29		
20	QPSK	1	99	20.12	20.20	20.24	20.21	20.13		
20	QPSK	50	0	19.25	19.28	19.36	19.28	19.28	21	1
20	QPSK	50	24	19.27	19.27	19.35	19.30	19.31		
20	QPSK	50	50	19.16	19.23	19.22	19.16	19.12		
20	QPSK	100	0	19.19	19.25	19.32	19.27	19.26		
20	16QAM	1	0	19.29	19.34	19.38	19.30	19.24	21	1
20	16QAM	1	49	19.30	19.24	19.33	19.25	19.25		
20	16QAM	1	99	19.21	19.27	19.33	19.25	19.23		
20	16QAM	50	0	18.32	18.33	18.36	18.32	18.24	20	2
20	16QAM	50	24	18.11	18.13	18.26	18.27	18.14		
20	16QAM	50	50	18.23	18.29	18.33	18.30	18.23		
20	16QAM	100	0	18.17	18.25	18.29	18.29	18.22		
20	64QAM	1	0	18.34	18.38	18.37	18.30	18.34	20	2
20	64QAM	1	49	18.25	18.22	18.31	18.24	18.17		
20	64QAM	1	99	18.14	18.24	18.22	18.26	18.17		
20	64QAM	50	0	17.27	17.23	17.33	17.25	17.28	19	3
20	64QAM	50	24	17.14	17.18	17.20	17.19	17.08		
20	64QAM	50	50	17.17	17.27	17.30	17.25	17.23		
20	64QAM	100	0	17.28	17.40	17.41	17.42	17.36		
20	256QAM	1	0	15.26	15.26	15.38	15.34	15.31	17	5
20	256QAM	1	49	15.32	15.26	15.36	15.36	15.25		
20	256QAM	1	99	15.12	15.20	15.25	15.22	15.13		
20	256QAM	50	0	15.20	15.27	15.29	15.24	15.24	17	5
20	256QAM	50	24	15.18	15.10	15.25	15.22	15.14		
20	256QAM	50	50	15.13	15.25	15.23	15.26	15.20		
20	256QAM	100	0	15.17	15.26	15.30	15.32	15.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.24	20.14	20.26	20.11	20.15	22	0
15	QPSK	1	37	20.18	20.16	20.25	20.26	20.23		
15	QPSK	1	74	20.03	20.13	20.16	20.15	20.07		
15	QPSK	36	0	19.11	19.16	19.22	19.19	19.20	21	1
15	QPSK	36	20	19.18	19.21	19.30	19.24	19.25		
15	QPSK	36	39	19.03	19.19	19.14	19.01	19.03		
15	QPSK	75	0	19.13	19.14	19.17	19.17	19.15		
15	16QAM	1	0	19.20	19.25	19.34	19.23	19.18	21	1
15	16QAM	1	37	19.25	19.13	19.22	19.19	19.16		
15	16QAM	1	74	19.06	19.19	19.30	19.16	19.19		
15	16QAM	36	0	18.22	18.19	18.27	18.29	18.15	20	2
15	16QAM	36	20	18.04	18.06	18.21	18.14	18.02		
15	16QAM	36	39	18.18	18.20	18.29	18.18	18.11		
15	16QAM	75	0	18.11	18.16	18.16	18.19	18.11		
15	64QAM	1	0	18.27	18.25	18.26	18.17	18.25	20	2
15	64QAM	1	37	18.12	18.10	18.22	18.16	18.03		
15	64QAM	1	74	18.04	18.12	18.08	18.22	18.05		
15	64QAM	36	0	17.17	17.11	17.21	17.16	17.18	19	3
15	64QAM	36	20	17.10	17.14	17.09	17.16	17.04		
15	64QAM	36	39	17.09	17.19	17.16	17.17	17.11		
15	64QAM	75	0	17.19	17.35	17.38	17.30	17.23		
15	256QAM	1	0	15.17	15.22	15.26	15.28	15.28	17	5
15	256QAM	1	37	15.18	15.22	15.29	15.25	15.11		
15	256QAM	1	74	15.04	15.13	15.11	15.17	15.07		
15	256QAM	36	0	15.10	15.16	15.21	15.12	15.19	17	5
15	256QAM	36	20	15.03	15.08	15.13	15.18	15.10		
15	256QAM	36	39	15.00	15.14	15.14	15.17	15.08		
15	256QAM	75	0	15.11	15.20	15.24	15.21	15.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.20	20.15	20.26	20.12	20.23	22	0
10	QPSK	1	25	20.15	20.14	20.24	20.17	20.16		
10	QPSK	1	49	20.00	20.08	20.09	20.09	20.05		
10	QPSK	25	0	19.20	19.19	19.29	19.23	19.20	21	1
10	QPSK	25	12	19.16	19.17	19.23	19.15	19.19		
10	QPSK	25	25	19.07	19.15	19.15	19.08	19.01		
10	QPSK	50	0	19.15	19.14	19.18	19.20	19.13		
10	16QAM	1	0	19.20	19.28	19.30	19.24	19.10	21	1
10	16QAM	1	25	19.24	19.20	19.30	19.12	19.13		
10	16QAM	1	49	19.07	19.20	19.21	19.10	19.12		
10	16QAM	25	0	18.17	18.21	18.26	18.23	18.13	20	2
10	16QAM	25	12	18.08	18.00	18.18	18.18	18.07		
10	16QAM	25	25	18.17	18.21	18.28	18.16	18.17		
10	16QAM	50	0	18.08	18.16	18.16	18.25	18.15		
10	64QAM	1	0	18.22	18.34	18.25	18.18	18.22	20	2
10	64QAM	1	25	18.19	18.10	18.27	18.12	18.06		
10	64QAM	1	49	18.05	18.12	18.16	18.14	18.13		
10	64QAM	25	0	17.17	17.16	17.19	17.19	17.19	19	3
10	64QAM	25	12	17.00	17.10	17.16	17.12	17.05		
10	64QAM	25	25	17.07	17.21	17.18	17.14	17.11		
10	64QAM	50	0	17.19	17.34	17.32	17.28	17.24		
10	256QAM	1	0	15.16	15.17	15.30	15.30	15.27	17	5
10	256QAM	1	25	15.23	15.18	15.30	15.28	15.18		
10	256QAM	1	49	15.08	15.06	15.19	15.19	15.02		
10	256QAM	25	0	15.12	15.13	15.17	15.09	15.19	17	5
10	256QAM	25	12	15.08	15.04	15.12	15.10	15.04		
10	256QAM	25	25	15.02	15.19	15.19	15.18	15.16		
10	256QAM	50	0	15.08	15.23	15.26	15.18	15.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.24	20.17	20.28	20.13	20.16	22	0
5	QPSK	1	12	20.11	20.20	20.21	20.16	20.15		
5	QPSK	1	24	20.03	20.16	20.19	20.14	20.05		
5	QPSK	12	0	19.20	19.17	19.26	19.23	19.16	21	1
5	QPSK	12	7	19.21	19.23	19.32	19.21	19.19		
5	QPSK	12	13	19.09	19.14	19.15	19.08	19.03		
5	QPSK	25	0	19.09	19.22	19.28	19.19	19.19		
5	16QAM	1	0	19.17	19.21	19.29	19.25	19.20	21	1
5	16QAM	1	12	19.18	19.15	19.26	19.16	19.17		
5	16QAM	1	24	19.06	19.20	19.26	19.13	19.17		
5	16QAM	12	0	18.27	18.20	18.26	18.24	18.14	20	2
5	16QAM	12	7	18.04	18.06	18.20	18.19	18.07		
5	16QAM	12	13	18.13	18.22	18.28	18.24	18.09		
5	16QAM	25	0	18.05	18.12	18.19	18.20	18.10		
5	64QAM	1	0	18.25	18.29	18.33	18.27	18.21	20	2
5	64QAM	1	12	18.20	18.10	18.27	18.20	18.09		
5	64QAM	1	24	18.00	18.16	18.19	18.13	18.13		
5	64QAM	12	0	17.16	17.11	17.26	17.20	17.17	19	3
5	64QAM	12	7	17.09	17.06	17.07	17.09	17.06		
5	64QAM	12	13	17.09	17.14	17.20	17.11	17.10		
5	64QAM	25	0	17.23	17.36	17.29	17.36	17.25		
5	256QAM	1	0	15.21	15.21	15.32	15.28	15.24	17	5
5	256QAM	1	12	15.17	15.17	15.32	15.23	15.22		
5	256QAM	1	24	15.05	15.05	15.17	15.09	15.00		
5	256QAM	12	0	15.11	15.24	15.19	15.17	15.17	17	5
5	256QAM	12	7	15.14	15.05	15.18	15.09	15.10		
5	256QAM	12	13	15.09	15.14	15.18	15.11	15.14		
5	256QAM	25	0	15.04	15.20	15.21	15.27	15.14		

Band 42 Ant6 DSI1 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.52	18.82	18.54	19.2	0
20	QPSK	1	49	18.27	18.51	18.52		
20	QPSK	1	99	18.52	18.58	18.54		
20	QPSK	50	0	18.44	18.57	18.50	19.2	0
20	QPSK	50	24	18.36	18.39	18.28		
20	QPSK	50	50	18.25	18.20	18.38		
20	QPSK	100	0	18.36	18.75	18.57		
20	16QAM	1	0	18.32	18.66	18.60	19.2	0
20	16QAM	1	49	18.28	18.61	18.38		
20	16QAM	1	99	18.32	18.44	18.35		
20	16QAM	50	0	18.46	18.46	18.42	19.2	0
20	16QAM	50	24	18.31	18.39	18.52		
20	16QAM	50	50	18.40	18.75	18.56		
20	16QAM	100	0	18.44	18.57	18.33		
20	64QAM	1	0	18.58	18.64	18.45	19.2	0
20	64QAM	1	49	18.49	18.68	18.34		
20	64QAM	1	99	18.28	18.51	18.53		
20	64QAM	50	0	18.31	18.31	18.59	19.2	0
20	64QAM	50	24	18.58	18.61	18.39		
20	64QAM	50	50	18.40	18.46	18.47		
20	64QAM	100	0	18.38	18.73	18.60		
20	256QAM	1	0	18.49	18.49	18.64	19.2	0
20	256QAM	1	49	18.33	18.40	18.23		
20	256QAM	1	99	18.59	18.49	18.45		
20	256QAM	50	0	18.51	18.53	18.49	19.2	0
20	256QAM	50	24	18.25	18.38	18.38		
20	256QAM	50	50	18.34	18.51	18.37		
20	256QAM	100	0	18.48	18.75	18.35		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.56	18.62	18.48	19.2	0
15	QPSK	1	37	18.38	18.31	18.60		
15	QPSK	1	74	18.33	18.43	18.50		
15	QPSK	36	0	18.52	18.73	18.51	19.2	0
15	QPSK	36	20	18.31	18.69	18.29		
15	QPSK	36	39	18.26	18.24	18.34		
15	QPSK	75	0	18.58	18.78	18.48		
15	16QAM	1	0	18.39	18.68	18.65	19.2	0
15	16QAM	1	37	18.44	18.64	18.50		
15	16QAM	1	74	18.24	18.43	18.27		
15	16QAM	36	0	18.50	18.57	18.50	19.2	0
15	16QAM	36	20	18.20	18.39	18.48		
15	16QAM	36	39	18.47	18.59	18.49		
15	16QAM	75	0	18.35	18.77	18.53		
15	64QAM	1	0	18.57	18.58	18.46	19.2	0
15	64QAM	1	37	18.49	18.58	18.43		
15	64QAM	1	74	18.26	18.40	18.43		
15	64QAM	36	0	18.43	18.39	18.38	19.2	0
15	64QAM	36	20	18.60	18.75	18.47		
15	64QAM	36	39	18.38	18.48	18.51		
15	64QAM	75	0	18.39	18.76	18.57		
15	256QAM	1	0	18.55	18.46	18.44	19.2	0
15	256QAM	1	37	18.34	18.43	18.30		
15	256QAM	1	74	18.58	18.58	18.52		
15	256QAM	36	0	18.57	18.53	18.47	19.2	0
15	256QAM	36	20	18.11	18.31	18.38		
15	256QAM	36	39	18.24	18.52	18.50		
15	256QAM	75	0	18.42	18.74	18.40		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.49	18.68	18.54	19.2	0
10	QPSK	1	25	18.43	18.51	18.48		
10	QPSK	1	49	18.34	18.60	18.37		
10	QPSK	25	0	18.43	18.68	18.53	19.2	0
10	QPSK	25	12	18.38	18.56	18.41		
10	QPSK	25	25	18.11	18.35	18.33		
10	QPSK	50	0	18.53	18.77	18.45		
10	16QAM	1	0	18.40	18.55	18.44	19.2	0
10	16QAM	1	25	18.23	18.63	18.31		
10	16QAM	1	49	18.43	18.59	18.39		
10	16QAM	25	0	18.52	18.60	18.47	19.2	0
10	16QAM	25	12	18.20	18.59	18.61		
10	16QAM	25	25	18.50	18.67	18.37		
10	16QAM	50	0	18.50	18.77	18.43		
10	64QAM	1	0	18.40	18.66	18.56	19.2	0
10	64QAM	1	25	18.52	18.64	18.31		
10	64QAM	1	49	18.32	18.50	18.58		
10	64QAM	25	0	18.25	18.48	18.59	19.2	0
10	64QAM	25	12	18.59	18.61	18.31		
10	64QAM	25	25	18.38	18.47	18.50		
10	64QAM	50	0	18.47	18.63	18.56		
10	256QAM	1	0	18.40	18.45	18.60	19.2	0
10	256QAM	1	25	18.41	18.30	18.27		
10	256QAM	1	49	18.56	18.62	18.52		
10	256QAM	25	0	18.50	18.52	18.42	19.2	0
10	256QAM	25	12	18.16	18.42	18.32		
10	256QAM	25	25	18.22	18.50	18.51		
10	256QAM	50	0	18.41	18.70	18.45		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.51	18.62	18.60	19.2	0
5	QPSK	1	12	18.29	18.38	18.49		
5	QPSK	1	24	18.35	18.46	18.36		
5	QPSK	12	0	18.60	18.76	18.41	19.2	0
5	QPSK	12	7	18.40	18.55	18.36		
5	QPSK	12	13	18.18	18.18	18.37		
5	QPSK	25	0	18.48	18.60	18.51		
5	16QAM	1	0	18.38	18.68	18.63	19.2	0
5	16QAM	1	12	18.40	18.70	18.38		
5	16QAM	1	24	18.23	18.60	18.25		
5	16QAM	12	0	18.43	18.67	18.38	19.2	0
5	16QAM	12	7	18.26	18.36	18.48		
5	16QAM	12	13	18.29	18.60	18.57		
5	16QAM	25	0	18.31	18.60	18.34		
5	64QAM	1	0	18.45	18.60	18.57	19.2	0
5	64QAM	1	12	18.56	18.62	18.36		
5	64QAM	1	24	18.34	18.51	18.46		
5	64QAM	12	0	18.22	18.50	18.54	19.2	0
5	64QAM	12	7	18.58	18.71	18.40		
5	64QAM	12	13	18.39	18.42	18.28		
5	64QAM	25	0	18.45	18.56	18.66		
5	256QAM	1	0	18.56	18.53	18.48	19.2	0
5	256QAM	1	12	18.39	18.31	18.42		
5	256QAM	1	24	18.53	18.69	18.43		
5	256QAM	12	0	18.39	18.61	18.37	19.2	0
5	256QAM	12	7	18.25	18.26	18.49		
5	256QAM	12	13	18.26	18.46	18.48		
5	256QAM	25	0	18.58	18.61	18.33		

Band 48 Ant6 DSI1 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.45	18.47	18.44	18.37	19.2	0
20	QPSK	1	49	18.30	18.21	18.34	18.16		
20	QPSK	1	99	18.20	18.15	18.07	18.20		
20	QPSK	50	0	18.36	18.41	18.31	18.37	19.2	0
20	QPSK	50	24	18.36	18.24	18.12	18.29		
20	QPSK	50	50	18.17	17.87	17.91	18.26		
20	QPSK	100	0	18.31	18.37	18.34	18.32		
20	16QAM	1	0	18.18	18.24	18.35	18.17	19.2	0
20	16QAM	1	49	18.21	18.24	18.16	18.23		
20	16QAM	1	99	18.09	18.26	18.11	18.26		
20	16QAM	50	0	18.13	18.20	18.25	18.37	19.2	0
20	16QAM	50	24	18.01	18.25	18.30	17.95		
20	16QAM	50	50	18.13	18.25	18.22	18.21		
20	16QAM	100	0	18.28	18.34	18.23	18.12		
20	64QAM	1	0	18.35	18.28	18.27	18.18	19.2	0
20	64QAM	1	49	18.32	18.40	18.22	18.20		
20	64QAM	1	99	18.39	18.15	18.16	18.34		
20	64QAM	50	0	18.14	18.05	18.22	18.28	19.2	0
20	64QAM	50	24	18.22	18.38	18.05	18.15		
20	64QAM	50	50	18.26	18.35	18.09	18.17		
20	64QAM	100	0	18.22	18.39	18.18	18.23		
20	256QAM	1	0	18.30	18.31	18.17	18.08	19.2	0
20	256QAM	1	49	18.40	18.01	18.14	18.04		
20	256QAM	1	99	18.31	18.18	18.22	18.23		
20	256QAM	50	0	18.36	18.23	18.27	18.18	19.2	0
20	256QAM	50	24	18.16	17.95	18.20	18.09		
20	256QAM	50	50	18.22	18.15	18.13	18.05		
20	256QAM	100	0	18.17	18.30	18.20	18.08		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.10	18.14	18.09	18.06	19.2	0
15	QPSK	1	37	18.13	18.06	18.17	17.91		
15	QPSK	1	74	17.98	18.05	17.86	18.09		
15	QPSK	36	0	18.12	18.20	18.01	18.08	19.2	0
15	QPSK	36	20	18.18	18.14	17.88	18.09		
15	QPSK	36	39	18.04	17.79	17.68	18.18		
15	QPSK	75	0	17.98	18.19	17.82	18.21		
15	16QAM	1	0	17.92	18.14	18.10	18.23	19.2	0
15	16QAM	1	37	18.11	18.23	17.84	18.01		
15	16QAM	1	74	17.89	17.94	17.80	18.18		
15	16QAM	36	0	17.90	18.01	17.94	18.21	19.2	0
15	16QAM	36	20	17.76	18.09	18.07	17.72		
15	16QAM	36	39	17.98	18.01	17.95	18.10		
15	16QAM	75	0	18.05	18.25	18.09	17.85		
15	64QAM	1	0	18.26	17.98	18.14	17.87	19.2	0
15	64QAM	1	37	18.12	18.26	17.99	18.07		
15	64QAM	1	74	18.19	17.98	18.06	18.09		
15	64QAM	36	0	17.85	17.84	18.06	17.99	19.2	0
15	64QAM	36	20	17.91	18.26	17.79	18.03		
15	64QAM	36	39	17.96	18.18	17.94	18.02		
15	64QAM	75	0	18.02	18.19	18.00	18.10		
15	256QAM	1	0	18.08	18.21	18.02	17.80	19.2	0
15	256QAM	1	37	18.28	17.79	17.83	17.88		
15	256QAM	1	74	18.19	17.95	17.92	18.23		
15	256QAM	36	0	18.14	18.12	18.01	18.03	19.2	0
15	256QAM	36	20	18.00	17.86	18.00	18.00		
15	256QAM	36	39	17.98	18.06	18.03	17.85		
15	256QAM	75	0	17.92	17.99	17.98	17.94		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.93	18.11	17.99	17.94	19.2	0
10	QPSK	1	25	17.99	18.05	18.06	18.02		
10	QPSK	1	49	18.06	17.91	17.87	18.04		
10	QPSK	25	0	18.00	18.29	17.94	17.95	19.2	0
10	QPSK	25	12	18.22	17.93	17.88	18.00		
10	QPSK	25	25	17.97	17.59	17.59	18.11		
10	QPSK	50	0	18.09	18.24	18.00	18.03		
10	16QAM	1	0	18.09	17.93	18.05	18.29	19.2	0
10	16QAM	1	25	18.13	18.15	17.87	17.94		
10	16QAM	1	49	17.88	18.06	18.02	18.03		
10	16QAM	25	0	17.98	17.92	18.13	18.14	19.2	0
10	16QAM	25	12	17.83	17.96	18.22	17.68		
10	16QAM	25	25	17.86	18.04	18.03	17.93		
10	16QAM	50	0	17.99	18.19	18.13	18.00		
10	64QAM	1	0	18.08	18.17	18.17	17.89	19.2	0
10	64QAM	1	25	18.03	18.14	18.13	17.93		
10	64QAM	1	49	18.09	17.92	17.99	18.17		
10	64QAM	25	0	18.05	17.76	17.98	18.06	19.2	0
10	64QAM	25	12	18.08	18.26	17.90	18.06		
10	64QAM	25	25	18.04	18.21	17.91	18.04		
10	64QAM	50	0	18.05	18.23	18.03	18.03		
10	256QAM	1	0	18.05	18.20	18.02	17.89	19.2	0
10	256QAM	1	25	18.31	17.75	17.99	17.85		
10	256QAM	1	49	18.15	18.05	18.02	18.19		
10	256QAM	25	0	18.06	18.06	17.98	17.97	19.2	0
10	256QAM	25	12	18.06	17.66	18.03	17.84		
10	256QAM	25	25	18.03	18.03	17.84	17.76		
10	256QAM	50	0	17.90	18.18	17.95	17.90		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.99	18.14	18.03	18.09	19.2	0
5	QPSK	1	12	17.99	17.91	18.06	18.00		
5	QPSK	1	24	18.07	17.95	17.93	18.10		
5	QPSK	12	0	18.04	18.30	17.97	18.03	19.2	0
5	QPSK	12	7	18.09	17.94	17.84	17.98		
5	QPSK	12	13	17.99	17.74	17.71	18.03		
5	QPSK	25	0	17.98	18.07	17.98	18.09		
5	16QAM	1	0	17.87	18.12	18.13	18.30	19.2	0
5	16QAM	1	12	17.98	18.31	17.92	17.97		
5	16QAM	1	24	17.77	18.00	17.80	18.00		
5	16QAM	12	0	17.93	17.97	18.11	18.12	19.2	0
5	16QAM	12	7	17.85	17.95	18.13	17.87		
5	16QAM	12	13	17.93	18.12	17.92	17.97		
5	16QAM	25	0	18.07	18.14	18.01	18.00		
5	64QAM	1	0	18.22	18.04	18.18	17.94	19.2	0
5	64QAM	1	12	18.17	18.27	17.93	17.97		
5	64QAM	1	24	18.28	17.90	17.89	18.08		
5	64QAM	12	0	17.97	17.85	17.91	17.97	19.2	0
5	64QAM	12	7	18.10	18.15	17.94	17.87		
5	64QAM	12	13	18.09	18.05	17.91	17.87		
5	64QAM	25	0	17.92	18.19	17.98	18.00		
5	256QAM	1	0	18.11	18.03	18.08	17.97	19.2	0
5	256QAM	1	12	18.19	17.77	17.93	17.87		
5	256QAM	1	24	18.08	17.95	18.12	18.18		
5	256QAM	12	0	18.06	17.96	18.07	17.86	19.2	0
5	256QAM	12	7	17.91	17.75	18.09	17.90		
5	256QAM	12	13	17.95	17.88	18.02	17.85		
5	256QAM	25	0	17.98	18.10	18.03	17.89		

Band 42 Ant7 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.97	18.24	18.09	19.5	0
20	QPSK	1	49	18.07	17.98	18.18		
20	QPSK	1	99	18.02	18.02	17.81		
20	QPSK	50	0	18.12	18.16	17.95	19.5	0
20	QPSK	50	24	18.15	18.12	17.94		
20	QPSK	50	50	18.08	17.67	17.66		
20	QPSK	100	0	17.94	18.14	17.89		
20	16QAM	1	0	17.87	18.15	18.19	19.5	0
20	16QAM	1	49	18.17	18.06	18.15		
20	16QAM	1	99	17.79	17.95	17.80		
20	16QAM	50	0	17.83	17.89	17.97	19.5	0
20	16QAM	50	24	17.92	18.06	18.13		
20	16QAM	50	50	17.99	18.07	18.10		
20	16QAM	100	0	18.04	18.12	18.10		
20	64QAM	1	0	18.19	18.09	18.07	19.5	0
20	64QAM	1	49	18.11	18.20	18.05		
20	64QAM	1	99	18.08	17.86	17.91		
20	64QAM	50	0	17.88	17.94	17.95	19.5	0
20	64QAM	50	24	18.12	18.12	17.75		
20	64QAM	50	50	18.19	17.94	18.02		
20	64QAM	100	0	18.03	18.11	17.92		
20	256QAM	1	0	18.21	18.03	18.03	19.5	0
20	256QAM	1	49	18.11	17.87	17.97		
20	256QAM	1	99	18.08	17.95	17.97		
20	256QAM	50	0	17.99	18.10	18.23	19.5	0
20	256QAM	50	24	17.89	17.75	18.11		
20	256QAM	50	50	17.93	17.99	18.01		
20	256QAM	100	0	17.95	18.16	18.02		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.08	18.15	17.97	19.5	0
15	QPSK	1	37	18.00	18.10	18.07		
15	QPSK	1	74	17.91	17.99	17.93		
15	QPSK	36	0	18.09	18.21	18.02	19.5	0
15	QPSK	36	20	18.02	17.91	18.03		
15	QPSK	36	39	17.87	17.55	17.76		
15	QPSK	75	0	18.10	18.08	18.22		
15	16QAM	1	0	17.87	17.98	18.11	19.5	0
15	16QAM	1	37	18.06	18.02	18.09		
15	16QAM	1	74	17.92	18.01	17.82		
15	16QAM	36	0	17.91	18.00	18.00	19.5	0
15	16QAM	36	20	17.84	18.13	18.13		
15	16QAM	36	39	17.95	17.97	17.92		
15	16QAM	75	0	18.08	18.11	18.14		
15	64QAM	1	0	18.07	18.19	18.18	19.5	0
15	64QAM	1	37	18.16	18.01	18.15		
15	64QAM	1	74	18.00	17.94	18.14		
15	64QAM	36	0	18.02	17.93	18.04	19.5	0
15	64QAM	36	20	18.02	18.18	17.97		
15	64QAM	36	39	18.07	17.96	18.16		
15	64QAM	75	0	18.11	18.03	18.22		
15	256QAM	1	0	17.99	18.15	17.95	19.5	0
15	256QAM	1	37	18.11	17.73	17.95		
15	256QAM	1	74	18.11	18.02	17.95		
15	256QAM	36	0	18.00	18.07	18.17	19.5	0
15	256QAM	36	20	17.99	17.71	18.01		
15	256QAM	36	39	17.92	17.93	17.85		
15	256QAM	75	0	17.98	18.18	17.99		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.04	18.07	18.11	19.5	0
10	QPSK	1	25	18.10	18.08	18.11		
10	QPSK	1	49	17.92	18.04	17.84		
10	QPSK	25	0	18.18	18.14	17.97	19.5	0
10	QPSK	25	12	18.18	18.10	17.98		
10	QPSK	25	25	18.01	17.77	17.82		
10	QPSK	50	0	18.04	18.19	17.84		
10	16QAM	1	0	17.90	18.02	18.19	19.5	0
10	16QAM	1	25	18.19	18.11	18.07		
10	16QAM	1	49	17.99	18.02	17.85		
10	16QAM	25	0	17.91	18.00	17.94	19.5	0
10	16QAM	25	12	17.75	17.93	18.19		
10	16QAM	25	25	17.97	17.97	18.03		
10	16QAM	50	0	18.01	18.17	18.13		
10	64QAM	1	0	18.09	17.98	18.20	19.5	0
10	64QAM	1	25	18.14	18.17	17.94		
10	64QAM	1	49	18.11	17.90	18.05		
10	64QAM	25	0	17.83	17.92	18.11	19.5	0
10	64QAM	25	12	18.10	18.13	17.85		
10	64QAM	25	25	18.09	18.22	17.92		
10	64QAM	50	0	17.94	18.20	17.93		
10	256QAM	1	0	18.17	18.02	18.05	19.5	0
10	256QAM	1	25	18.20	17.90	18.04		
10	256QAM	1	49	18.05	18.10	18.07		
10	256QAM	25	0	18.13	17.93	18.08	19.5	0
10	256QAM	25	12	17.86	17.70	18.06		
10	256QAM	25	25	18.00	17.98	17.83		
10	256QAM	50	0	18.06	18.14	17.96		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.99	18.05	18.21	19.5	0
5	QPSK	1	12	18.13	17.98	18.09		
5	QPSK	1	24	17.95	17.99	17.92		
5	QPSK	12	0	18.02	18.00	18.11	19.5	0
5	QPSK	12	7	18.10	17.99	17.95		
5	QPSK	12	13	17.98	17.72	17.68		
5	QPSK	25	0	18.13	18.19	18.06		
5	16QAM	1	0	18.03	18.12	18.10	19.5	0
5	16QAM	1	12	18.15	17.94	18.14		
5	16QAM	1	24	17.97	18.01	17.84		
5	16QAM	12	0	17.96	18.09	18.11	19.5	0
5	16QAM	12	7	17.83	17.99	18.13		
5	16QAM	12	13	17.90	18.02	18.08		
5	16QAM	25	0	18.11	17.98	18.16		
5	64QAM	1	0	18.17	18.14	17.96	19.5	0
5	64QAM	1	12	18.18	18.20	18.14		
5	64QAM	1	24	18.16	18.04	17.91		
5	64QAM	12	0	18.02	17.80	18.13	19.5	0
5	64QAM	12	7	18.06	18.22	17.80		
5	64QAM	12	13	18.15	18.15	17.88		
5	64QAM	25	0	17.94	18.19	17.96		
5	256QAM	1	0	18.11	18.02	17.89	19.5	0
5	256QAM	1	12	18.18	17.89	18.01		
5	256QAM	1	24	18.13	18.01	18.00		
5	256QAM	12	0	18.08	17.92	18.01	19.5	0
5	256QAM	12	7	18.00	17.64	18.08		
5	256QAM	12	13	18.03	17.87	17.82		
5	256QAM	25	0	18.01	18.12	17.89		

Band 48 Ant7 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.86	18.08	17.87	17.95	19.5	0
20	QPSK	1	49	18.01	17.81	17.96	17.89		
20	QPSK	1	99	17.88	17.90	17.83	17.73		
20	QPSK	50	0	17.82	18.05	17.86	17.95	19.5	0
20	QPSK	50	24	18.00	17.79	17.78	17.71		
20	QPSK	50	50	17.77	17.92	17.72	17.84		
20	QPSK	100	0	17.96	18.02	17.80	17.76		
20	16QAM	1	0	17.73	17.80	18.00	18.04	19.5	0
20	16QAM	1	49	17.90	18.05	17.71	17.75		
20	16QAM	1	99	17.73	17.81	17.66	17.79		
20	16QAM	50	0	17.80	17.78	17.84	17.92	19.5	0
20	16QAM	50	24	17.59	17.92	17.96	17.88		
20	16QAM	50	50	17.65	17.96	17.68	17.86		
20	16QAM	100	0	17.99	17.92	17.81	17.80		
20	64QAM	1	0	18.05	17.82	17.93	18.02	19.5	0
20	64QAM	1	49	17.98	17.96	17.78	17.88		
20	64QAM	1	99	18.00	17.78	17.80	17.75		
20	64QAM	50	0	17.73	17.76	17.83	17.91	19.5	0
20	64QAM	50	24	17.84	18.04	17.78	17.81		
20	64QAM	50	50	17.98	17.93	17.80	17.87		
20	64QAM	100	0	17.94	18.03	17.87	17.86		
20	256QAM	1	0	17.93	17.95	17.77	17.88	19.5	0
20	256QAM	1	49	17.79	17.88	17.85	17.77		
20	256QAM	1	99	18.07	17.72	17.95	18.02		
20	256QAM	50	0	17.91	17.90	17.97	17.95	19.5	0
20	256QAM	50	24	17.88	17.58	17.96	17.93		
20	256QAM	50	50	17.97	17.70	17.80	17.93		
20	256QAM	100	0	17.85	17.88	17.95	17.85		
Channel				55315	55820	56100	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.84	17.89	17.72	17.96	19.5	0
15	QPSK	1	37	18.01	17.71	17.90	17.78		
15	QPSK	1	74	17.72	17.73	17.81	17.69		
15	QPSK	36	0	17.82	17.95	17.65	17.79	19.5	0
15	QPSK	36	20	18.07	17.81	17.68	17.68		
15	QPSK	36	39	17.88	17.97	17.74	17.74		
15	QPSK	75	0	17.94	17.97	17.73	17.75		
15	16QAM	1	0	17.62	17.77	17.90	18.04	19.5	0
15	16QAM	1	37	17.79	17.98	17.66	17.60		
15	16QAM	1	74	17.52	17.82	17.60	17.79		
15	16QAM	36	0	17.66	17.69	17.79	17.88	19.5	0
15	16QAM	36	20	17.69	18.01	17.75	17.92		
15	16QAM	36	39	17.56	17.75	17.91	17.96		
15	16QAM	75	0	17.81	17.76	17.70	17.67		
15	64QAM	1	0	18.06	17.84	17.75	17.98	19.5	0
15	64QAM	1	37	17.81	17.90	17.72	17.80		
15	64QAM	1	74	17.90	17.62	17.71	17.67		
15	64QAM	36	0	17.59	17.58	17.67	17.86	19.5	0
15	64QAM	36	20	17.85	18.05	17.50	17.65		
15	64QAM	36	39	17.84	17.73	17.78	17.79		
15	64QAM	75	0	17.94	17.86	17.87	17.77		
15	256QAM	1	0	17.90	17.96	17.73	17.85	19.5	0
15	256QAM	1	37	17.85	17.91	17.70	17.94		
15	256QAM	1	74	18.03	17.58	17.92	17.91		
15	256QAM	36	0	17.81	17.90	17.87	17.96	19.5	0
15	256QAM	36	20	17.77	17.54	17.66	17.93		
15	256QAM	36	39	17.92	17.66	17.72	17.93		
15	256QAM	75	0	17.73	17.71	17.87	17.64		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.75	17.85	17.66	17.75	19.5	0
10	QPSK	1	25	17.85	17.61	17.76	17.84		
10	QPSK	1	49	17.75	17.74	17.82	17.74		
10	QPSK	25	0	17.73	17.88	17.87	17.75	19.5	0
10	QPSK	25	12	18.00	17.68	17.67	17.71		
10	QPSK	25	25	17.84	17.99	17.80	17.95		
10	QPSK	50	0	17.82	17.87	17.66	17.56		
10	16QAM	1	0	17.62	17.65	17.98	17.96	19.5	0
10	16QAM	1	25	17.72	17.93	17.72	17.61		
10	16QAM	1	49	17.73	18.07	17.83	17.75		
10	16QAM	25	0	17.79	17.70	17.79	17.92	19.5	0
10	16QAM	25	12	17.85	17.90	17.84	17.76		
10	16QAM	25	25	17.52	17.85	17.90	17.90		
10	16QAM	50	0	17.90	17.85	17.79	17.82		
10	64QAM	1	0	17.90	17.79	17.81	17.95	19.5	0
10	64QAM	1	25	17.92	17.95	17.75	17.87		
10	64QAM	1	49	17.99	17.73	17.61	17.60		
10	64QAM	25	0	17.63	17.62	17.83	17.72	19.5	0
10	64QAM	25	12	17.77	17.90	17.88	17.96		
10	64QAM	25	25	17.91	17.85	17.71	17.85		
10	64QAM	50	0	17.83	18.00	17.85	17.86		
10	256QAM	1	0	17.94	17.83	17.62	17.70	19.5	0
10	256QAM	1	25	17.98	17.61	17.74	17.81		
10	256QAM	1	49	17.97	17.74	17.88	18.02		
10	256QAM	25	0	17.91	17.69	17.91	17.92	19.5	0
10	256QAM	25	12	17.81	17.86	17.88	17.79		
10	256QAM	25	25	17.96	17.69	17.71	17.76		
10	256QAM	50	0	17.77	17.86	17.78	17.66		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.74	18.02	17.65	17.94	19.5	0
5	QPSK	1	12	17.84	17.68	17.84	17.69		
5	QPSK	1	24	17.69	17.79	17.67	17.51		
5	QPSK	12	0	17.69	17.78	17.65	17.92	19.5	0
5	QPSK	12	7	17.94	17.69	17.77	17.69		
5	QPSK	12	13	17.69	18.00	17.88	17.81		
5	QPSK	25	0	17.76	17.95	17.69	17.55		
5	16QAM	1	0	17.66	17.65	18.01	17.86	19.5	0
5	16QAM	1	12	17.90	18.06	17.58	17.65		
5	16QAM	1	24	17.66	17.70	17.52	17.60		
5	16QAM	12	0	17.60	17.68	17.86	17.80	19.5	0
5	16QAM	12	7	17.52	17.94	17.79	17.80		
5	16QAM	12	13	17.59	17.88	17.96	18.01		
5	16QAM	25	0	17.83	17.85	17.67	17.70		
5	64QAM	1	0	18.05	17.74	17.80	17.99	19.5	0
5	64QAM	1	12	17.96	17.86	17.73	17.87		
5	64QAM	1	24	17.87	17.62	17.58	17.62		
5	64QAM	12	0	17.69	17.56	17.80	17.92	19.5	0
5	64QAM	12	7	17.88	17.98	17.57	17.64		
5	64QAM	12	13	17.97	17.75	17.68	17.66		
5	64QAM	25	0	17.94	18.02	17.72	17.86		
5	256QAM	1	0	17.90	17.80	17.60	17.82	19.5	0
5	256QAM	1	12	18.06	17.66	17.67	17.80		
5	256QAM	1	24	18.00	17.72	17.85	18.03		
5	256QAM	12	0	17.79	17.80	17.78	17.93	19.5	0
5	256QAM	12	7	17.88	17.95	17.73	17.64		
5	256QAM	12	13	17.92	17.62	17.72	17.72		
5	256QAM	25	0	17.66	17.70	17.96	17.85		

Band 42 Ant8 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.68	20.77	20.67	21.5	0
20	QPSK	1	49	20.59	20.67	20.50		
20	QPSK	1	99	20.59	20.59	20.51		
20	QPSK	50	0	19.58	19.70	19.56	20.5	1
20	QPSK	50	24	19.57	19.69	19.64		
20	QPSK	50	50	19.57	19.57	19.60		
20	QPSK	100	0	19.59	19.69	19.57		
20	16QAM	1	0	19.60	19.71	19.57	20.5	1
20	16QAM	1	49	19.61	19.69	19.56		
20	16QAM	1	99	19.59	19.70	19.58		
20	16QAM	50	0	18.68	18.76	18.61	19.5	2
20	16QAM	50	24	18.51	18.56	18.61		
20	16QAM	50	50	18.51	18.72	18.61		
20	16QAM	100	0	18.60	18.62	18.65		
20	64QAM	1	0	18.66	18.75	18.60	19.5	2
20	64QAM	1	49	18.49	18.71	18.43		
20	64QAM	1	99	18.49	18.51	18.60		
20	64QAM	50	0	17.47	17.67	17.62	18.5	3
20	64QAM	50	24	17.59	17.53	17.68		
20	64QAM	50	50	17.58	17.63	17.61		
20	64QAM	100	0	17.73	17.77	17.67		
20	256QAM	1	0	15.53	15.60	15.57	16.5	5
20	256QAM	1	49	15.56	15.71	15.58		
20	256QAM	1	99	15.39	15.65	15.53		
20	256QAM	50	0	15.57	15.64	15.57	16.5	5
20	256QAM	50	24	15.45	15.67	15.64		
20	256QAM	50	50	15.54	15.59	15.58		
20	256QAM	100	0	15.53	15.68	15.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	20.61	20.70	20.53	21.5	0
15	QPSK	1	37	20.50	20.55	20.46		
15	QPSK	1	74	20.51	20.51	20.43		
15	QPSK	36	0	19.44	19.57	19.52	20.5	1
15	QPSK	36	20	19.51	19.57	19.51		
15	QPSK	36	39	19.48	19.51	19.47		
15	QPSK	75	0	19.49	19.57	19.51		
15	16QAM	1	0	19.47	19.65	19.44	20.5	1
15	16QAM	1	37	19.50	19.59	19.50		
15	16QAM	1	74	19.53	19.58	19.47		
15	16QAM	36	0	18.54	18.66	18.48	19.5	2
15	16QAM	36	20	18.41	18.52	18.56		
15	16QAM	36	39	18.41	18.60	18.54		
15	16QAM	75	0	18.48	18.55	18.57		
15	64QAM	1	0	18.56	18.65	18.52	19.5	2
15	64QAM	1	37	18.45	18.58	18.28		
15	64QAM	1	74	18.45	18.41	18.51		
15	64QAM	36	0	17.39	17.56	17.47	18.5	3
15	64QAM	36	20	17.50	17.41	17.54		
15	64QAM	36	39	17.45	17.58	17.51		
15	64QAM	75	0	17.62	17.68	17.56		
15	256QAM	1	0	15.38	15.54	15.49	16.5	5
15	256QAM	1	37	15.47	15.67	15.49		
15	256QAM	1	74	15.27	15.61	15.39		
15	256QAM	36	0	15.50	15.54	15.46	16.5	5
15	256QAM	36	20	15.39	15.57	15.58		
15	256QAM	36	39	15.43	15.45	15.46		
15	256QAM	75	0	15.39	15.55	15.41		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	20.53	20.64	20.58	21.5	0
10	QPSK	1	25	20.53	20.53	20.47		
10	QPSK	1	49	20.53	20.45	20.41		
10	QPSK	25	0	19.49	19.55	19.46	20.5	1
10	QPSK	25	12	19.50	19.55	19.59		
10	QPSK	25	25	19.50	19.45	19.52		
10	QPSK	50	0	19.50	19.64	19.44		
10	16QAM	1	0	19.55	19.57	19.45	20.5	1
10	16QAM	1	25	19.50	19.58	19.46		
10	16QAM	1	49	19.45	19.66	19.45		
10	16QAM	25	0	18.63	18.70	18.52	19.5	2
10	16QAM	25	12	18.41	18.42	18.49		
10	16QAM	25	25	18.37	18.62	18.49		
10	16QAM	50	0	18.54	18.58	18.52		
10	64QAM	1	0	18.63	18.70	18.55	19.5	2
10	64QAM	1	25	18.37	18.60	18.38		
10	64QAM	1	49	18.37	18.48	18.49		
10	64QAM	25	0	17.34	17.53	17.57	18.5	3
10	64QAM	25	12	17.53	17.45	17.55		
10	64QAM	25	25	17.46	17.51	17.51		
10	64QAM	50	0	17.66	17.67	17.52		
10	256QAM	1	0	15.41	15.48	15.46	16.5	5
10	256QAM	1	25	15.45	15.67	15.45		
10	256QAM	1	49	15.34	15.55	15.40		
10	256QAM	25	0	15.46	15.53	15.45	16.5	5
10	256QAM	25	12	15.34	15.59	15.57		
10	256QAM	25	25	15.43	15.52	15.49		
10	256QAM	50	0	15.47	15.65	15.44		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.55	20.73	20.61	21.5	0
5	QPSK	1	12	20.48	20.60	20.44		
5	QPSK	1	24	20.46	20.51	20.40		
5	QPSK	12	0	19.54	19.56	19.48	20.5	1
5	QPSK	12	7	19.51	19.60	19.53		
5	QPSK	12	13	19.52	19.43	19.53		
5	QPSK	25	0	19.50	19.64	19.46		
5	16QAM	1	0	19.55	19.64	19.44	20.5	1
5	16QAM	1	12	19.48	19.65	19.46		
5	16QAM	1	24	19.46	19.61	19.54		
5	16QAM	12	0	18.63	18.65	18.53	19.5	2
5	16QAM	12	7	18.48	18.47	18.51		
5	16QAM	12	13	18.40	18.59	18.57		
5	16QAM	25	0	18.53	18.55	18.50		
5	64QAM	1	0	18.53	18.61	18.51	19.5	2
5	64QAM	1	12	18.42	18.66	18.37		
5	64QAM	1	24	18.36	18.47	18.56		
5	64QAM	12	0	17.33	17.55	17.48	18.5	3
5	64QAM	12	7	17.56	17.49	17.64		
5	64QAM	12	13	17.43	17.52	17.50		
5	64QAM	25	0	17.67	17.67	17.59		
5	256QAM	1	0	15.39	15.46	15.50	16.5	5
5	256QAM	1	12	15.49	15.66	15.47		
5	256QAM	1	24	15.28	15.59	15.45		
5	256QAM	12	0	15.42	15.57	15.52	16.5	5
5	256QAM	12	7	15.30	15.64	15.52		
5	256QAM	12	13	15.49	15.51	15.52		
5	256QAM	25	0	15.46	15.61	15.33		

Band 48 Ant8 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.00	17.15	17.12	17.10	18	0
20	QPSK	1	49	16.74	16.72	16.71	16.70		
20	QPSK	1	99	16.87	16.88	16.91	16.83		
20	QPSK	50	0	17.00	17.12	16.96	16.92	18	0
20	QPSK	50	24	16.87	16.80	16.78	16.83		
20	QPSK	50	50	16.51	16.60	16.51	16.65		
20	QPSK	100	0	16.96	17.04	17.01	16.97		
20	16QAM	1	0	16.71	16.81	16.73	16.69	18	0
20	16QAM	1	49	17.13	17.10	17.07	17.14		
20	16QAM	1	99	16.88	16.92	16.78	16.93		
20	16QAM	50	0	16.84	16.80	16.76	16.88	18	0
20	16QAM	50	24	17.01	16.91	16.83	17.01		
20	16QAM	50	50	16.86	16.92	16.79	16.86		
20	16QAM	100	0	16.81	16.84	16.87	16.88		
20	64QAM	1	0	16.87	16.75	16.84	16.84	18	0
20	64QAM	1	49	16.99	16.91	16.93	16.89		
20	64QAM	1	99	16.68	16.89	16.82	16.89		
20	64QAM	50	0	16.64	16.89	16.64	16.88	18	0
20	64QAM	50	24	16.42	16.74	16.41	16.86		
20	64QAM	50	50	16.59	16.90	16.63	16.86		
20	64QAM	100	0	16.74	17.00	16.66	16.88		
20	256QAM	1	0	15.07	15.36	15.10	15.22	16.5	1.5
20	256QAM	1	49	15.08	15.37	15.11	15.33		
20	256QAM	1	99	15.08	15.38	15.13	15.25		
20	256QAM	50	0	15.04	15.36	15.12	15.26	16.5	1.5
20	256QAM	50	24	15.12	15.39	15.07	15.32		
20	256QAM	50	50	15.09	15.25	15.02	15.24		
20	256QAM	100	0	15.11	15.38	15.05	15.20		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.88	17.06	17.05	17.10	18	0
15	QPSK	1	37	16.62	16.60	16.52	16.54		
15	QPSK	1	74	16.68	16.74	16.74	16.79		
15	QPSK	36	0	16.79	17.02	16.80	16.79	18	0
15	QPSK	36	20	16.77	16.62	16.58	16.63		
15	QPSK	36	39	16.31	16.51	16.43	16.57		
15	QPSK	75	0	16.86	16.92	17.11	16.89		
15	16QAM	1	0	16.73	16.82	16.63	16.57	18	0
15	16QAM	1	37	17.04	17.11	16.86	17.05		
15	16QAM	1	74	16.72	16.83	16.79	16.83		
15	16QAM	36	0	16.69	16.68	16.66	16.82	18	0
15	16QAM	36	20	17.03	16.83	16.82	16.96		
15	16QAM	36	39	16.76	16.77	16.62	16.72		
15	16QAM	75	0	16.76	16.85	16.74	16.81		
15	64QAM	1	0	16.77	16.65	16.76	16.62	18	0
15	64QAM	1	37	16.86	16.91	16.85	16.85		
15	64QAM	1	74	16.52	16.69	16.82	16.90		
15	64QAM	36	0	16.07	16.36	16.03	16.32	18	0
15	64QAM	36	20	16.12	16.18	16.12	16.28		
15	64QAM	36	39	16.04	16.30	16.08	16.26		
15	64QAM	75	0	16.11	16.40	16.04	16.34		
15	256QAM	1	0	15.05	15.26	15.15	15.14	16.5	1.5
15	256QAM	1	37	15.14	15.34	15.09	15.20		
15	256QAM	1	74	15.13	15.27	15.14	15.11		
15	256QAM	36	0	15.01	15.33	15.09	15.13	16.5	1.5
15	256QAM	36	20	15.08	15.25	15.06	15.18		
15	256QAM	36	39	15.15	15.21	15.08	15.20		
15	256QAM	75	0	15.06	15.35	15.06	15.08		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.95	16.97	17.11	17.10	18	0
10	QPSK	1	25	16.75	16.62	16.52	16.59		
10	QPSK	1	49	16.87	16.86	16.82	16.79		
10	QPSK	25	0	16.88	16.93	16.93	16.89	18	0
10	QPSK	25	12	16.79	16.75	16.72	16.67		
10	QPSK	25	25	16.48	16.39	16.48	16.51		
10	QPSK	50	0	16.85	17.05	17.01	16.93		
10	16QAM	1	0	16.61	16.60	16.75	16.64	18	0
10	16QAM	1	25	17.12	16.91	16.88	16.98		
10	16QAM	1	49	16.90	16.73	16.70	16.88		
10	16QAM	25	0	16.67	16.81	16.59	16.85	18	0
10	16QAM	25	12	16.98	16.74	16.68	16.80		
10	16QAM	25	25	16.85	16.83	16.62	16.68		
10	16QAM	50	0	16.67	16.82	16.83	16.77		
10	64QAM	1	0	16.78	16.63	16.85	16.65	18	0
10	64QAM	1	25	16.78	16.88	16.80	16.81		
10	64QAM	1	49	16.49	16.77	16.62	16.82		
10	64QAM	25	0	16.05	16.28	16.00	16.34	18	0
10	64QAM	25	12	16.01	16.20	16.07	16.25		
10	64QAM	25	25	16.06	16.31	16.07	16.28		
10	64QAM	50	0	16.15	16.40	16.03	16.33		
10	256QAM	1	0	15.08	15.22	15.09	15.12	16.5	1.5
10	256QAM	1	25	15.07	15.26	15.17	15.19		
10	256QAM	1	49	15.04	15.25	15.18	15.11		
10	256QAM	25	0	15.00	15.31	15.17	15.11	16.5	1.5
10	256QAM	25	12	15.12	15.34	15.09	15.23		
10	256QAM	25	25	15.05	15.17	15.05	15.17		
10	256QAM	50	0	15.18	15.33	15.08	15.10		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.86	16.92	16.99	16.95	18	0
5	QPSK	1	12	16.73	16.52	16.61	16.70		
5	QPSK	1	24	16.81	16.75	16.75	16.81		
5	QPSK	12	0	16.95	16.84	16.75	16.91	18	0
5	QPSK	12	7	16.88	16.80	16.67	16.81		
5	QPSK	12	13	16.52	16.39	16.48	16.48		
5	QPSK	25	0	16.97	16.98	17.10	16.89		
5	16QAM	1	0	16.57	16.81	16.52	16.58	18	0
5	16QAM	1	12	17.08	17.08	17.08	17.02		
5	16QAM	1	24	16.67	16.83	16.64	16.81		
5	16QAM	12	0	16.64	16.61	16.58	16.77	18	0
5	16QAM	12	7	16.83	16.72	16.66	16.92		
5	16QAM	12	13	16.82	16.88	16.76	16.76		
5	16QAM	25	0	16.70	16.69	16.69	16.69		
5	64QAM	1	0	16.86	16.58	16.83	16.81	18	0
5	64QAM	1	12	17.00	16.90	16.93	16.90		
5	64QAM	1	24	16.68	16.83	16.68	16.87		
5	64QAM	12	0	16.00	16.25	16.02	16.28	18	0
5	64QAM	12	7	16.14	16.16	16.15	16.29		
5	64QAM	12	13	16.17	16.31	16.09	16.28		
5	64QAM	25	0	16.11	16.40	16.05	16.25		
5	256QAM	1	0	15.06	15.27	15.05	15.12	16.5	1.5
5	256QAM	1	12	15.06	15.25	15.11	15.24		
5	256QAM	1	24	15.09	15.28	15.13	15.13		
5	256QAM	12	0	15.01	15.24	15.07	15.19	16.5	1.5
5	256QAM	12	7	15.08	15.29	15.07	15.29		
5	256QAM	12	13	15.10	15.13	15.02	15.12		
5	256QAM	25	0	15.11	15.30	15.07	15.10		

Reduced Power SA Mode for DSI1

Band 5 Ant1 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.54	19.57	19.51	21	0
10	QPSK	1	25	19.54	19.54	19.50		
10	QPSK	1	49	19.39	19.50	19.43		
10	QPSK	25	0	19.47	19.53	19.47	21	0
10	QPSK	25	12	19.41	19.28	19.50		
10	QPSK	25	25	19.41	19.41	19.44		
10	QPSK	50	0	19.47	19.50	19.32		
10	16QAM	1	0	19.56	19.42	19.42	21	0
10	16QAM	1	25	19.40	19.51	19.52		
10	16QAM	1	49	19.45	19.50	19.50		
10	16QAM	25	0	19.51	19.53	19.47	21	0
10	16QAM	25	12	19.53	19.55	19.32		
10	16QAM	25	25	19.50	19.47	19.50		
10	16QAM	50	0	19.49	19.42	19.49		
10	64QAM	1	0	19.40	19.35	19.40	21	0
10	64QAM	1	25	19.42	19.47	19.23		
10	64QAM	1	49	19.32	19.37	19.41		
10	64QAM	25	0	19.45	19.50	19.45	21	0
10	64QAM	25	12	19.55	19.51	19.49		
10	64QAM	25	25	19.51	19.48	19.46		
10	64QAM	50	0	19.45	19.50	19.51		
10	256QAM	1	0	19.02	19.02	19.03	20.5	0.5
10	256QAM	1	25	19.00	19.00	19.02		
10	256QAM	1	49	18.95	18.95	18.93		
10	256QAM	25	0	18.94	18.99	18.96	20.5	0.5
10	256QAM	25	12	18.94	18.94	18.87		
10	256QAM	25	25	18.86	18.94	18.93		
10	256QAM	50	0	18.84	18.91	18.82		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	19.50	19.53	19.48	21	0
5	QPSK	1	12	19.50	19.55	19.51		
5	QPSK	1	24	19.33	19.50	19.45		
5	QPSK	12	0	19.40	19.54	19.42	21	0
5	QPSK	12	7	19.42	19.25	19.47		
5	QPSK	12	13	19.33	19.43	19.41		
5	QPSK	25	0	19.41	19.44	19.24		
5	16QAM	1	0	19.48	19.34	19.38	21	0
5	16QAM	1	12	19.31	19.52	19.50		
5	16QAM	1	24	19.37	19.53	19.51		
5	16QAM	12	0	19.45	19.48	19.47	21	0
5	16QAM	12	7	19.49	19.50	19.31		
5	16QAM	12	13	19.51	19.46	19.49		
5	16QAM	25	0	19.50	19.35	19.54		
5	64QAM	1	0	19.37	19.30	19.41	21	0
5	64QAM	1	12	19.38	19.40	19.23		
5	64QAM	1	24	19.28	19.33	19.40		
5	64QAM	12	0	19.38	19.43	19.40	21	0
5	64QAM	12	7	19.54	19.44	19.40		
5	64QAM	12	13	19.52	19.40	19.40		
5	64QAM	25	0	19.36	19.46	19.44		
5	256QAM	1	0	18.97	19.02	18.96	20.5	0.5
5	256QAM	1	12	18.91	19.02	19.03		
5	256QAM	1	24	18.95	18.88	18.89		
5	256QAM	12	0	18.94	18.91	18.90	20.5	0.5
5	256QAM	12	7	18.88	18.89	18.80		
5	256QAM	12	13	18.83	18.94	18.93		
5	256QAM	25	0	18.85	18.90	18.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	19.54	19.55	19.54	21	0
3	QPSK	1	8	19.51	19.52	19.43		
3	QPSK	1	14	19.39	19.46	19.38		
3	QPSK	8	0	19.47	19.46	19.48	21	0
3	QPSK	8	4	19.36	19.21	19.46		
3	QPSK	8	7	19.33	19.38	19.42		
3	QPSK	15	0	19.49	19.47	19.30		
3	16QAM	1	0	19.47	19.34	19.43	21	0
3	16QAM	1	8	19.35	19.52	19.51		
3	16QAM	1	14	19.45	19.56	19.52		
3	16QAM	8	0	19.50	19.46	19.46	21	0
3	16QAM	8	4	19.48	19.56	19.26		
3	16QAM	8	7	19.42	19.41	19.49		
3	16QAM	15	0	19.51	19.41	19.56		
3	64QAM	1	0	19.34	19.26	19.36	21	0
3	64QAM	1	8	19.40	19.46	19.20		
3	64QAM	1	14	19.34	19.39	19.35		
3	64QAM	8	0	19.43	19.43	19.42	21	0
3	64QAM	8	4	19.55	19.46	19.45		
3	64QAM	8	7	19.43	19.47	19.47		
3	64QAM	15	0	19.39	19.46	19.47		
3	256QAM	1	0	18.93	18.97	19.06	20.5	0.5
3	256QAM	1	8	19.02	19.00	18.97		
3	256QAM	1	14	18.95	18.92	18.96		
3	256QAM	8	0	18.92	18.91	18.98	20.5	0.5
3	256QAM	8	4	18.86	18.95	18.90		
3	256QAM	8	7	18.79	18.86	18.86		
3	256QAM	15	0	18.77	18.85	18.81		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	19.48	19.54	19.54	21	0
1.4	QPSK	1	3	19.49	19.46	19.43		
1.4	QPSK	1	5	19.40	19.43	19.36		
1.4	QPSK	3	0	19.41	19.55	19.42		
1.4	QPSK	3	1	19.40	19.28	19.44		
1.4	QPSK	3	3	19.37	19.34	19.41		
1.4	QPSK	6	0	19.47	19.46	19.28	21	0
1.4	16QAM	1	0	19.49	19.33	19.35	21	0
1.4	16QAM	1	3	19.37	19.50	19.52		
1.4	16QAM	1	5	19.48	19.50	19.52		
1.4	16QAM	3	0	19.53	19.48	19.38		
1.4	16QAM	3	1	19.45	19.51	19.27		
1.4	16QAM	3	3	19.42	19.43	19.47		
1.4	16QAM	6	0	19.41	19.41	19.54	21	0
1.4	64QAM	1	0	19.42	19.31	19.43	21	0
1.4	64QAM	1	3	19.35	19.43	19.18		
1.4	64QAM	1	5	19.33	19.30	19.34		
1.4	64QAM	3	0	19.39	19.48	19.46		
1.4	64QAM	3	1	19.51	19.53	19.50		
1.4	64QAM	3	3	19.52	19.44	19.38		
1.4	64QAM	6	0	19.46	19.45	19.44	21	0
1.4	256QAM	1	0	18.94	19.00	18.98	20.5	0.5
1.4	256QAM	1	3	18.93	19.02	19.01		
1.4	256QAM	1	5	18.87	18.93	18.93		
1.4	256QAM	3	0	18.91	19.00	18.94		
1.4	256QAM	3	1	18.95	18.97	18.81		
1.4	256QAM	3	3	18.78	18.92	18.95		
1.4	256QAM	6	0	18.80	18.86	18.82	20.5	0.5

Band 2 Ant2 DSI1 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.64	18.67	18.57	20	0
20	QPSK	1	49	18.42	18.46	18.58		
20	QPSK	1	99	18.63	18.43	18.49		
20	QPSK	50	0	18.49	18.53	18.44	20	0
20	QPSK	50	24	18.27	18.43	18.43		
20	QPSK	50	50	18.44	18.42	18.38		
20	QPSK	100	0	18.50	18.52	18.49		
20	16QAM	1	0	18.26	18.36	18.44	20	0
20	16QAM	1	49	18.21	18.40	18.45		
20	16QAM	1	99	18.37	18.50	18.28		
20	16QAM	50	0	18.49	18.55	18.45	20	0
20	16QAM	50	24	18.42	18.47	18.34		
20	16QAM	50	50	18.38	18.35	18.44		
20	16QAM	100	0	18.37	18.48	18.39		
20	64QAM	1	0	18.29	18.37	18.50	20	0
20	64QAM	1	49	18.37	18.25	18.39		
20	64QAM	1	99	18.38	18.50	18.40		
20	64QAM	50	0	18.48	18.57	18.25	20	0
20	64QAM	50	24	18.41	18.29	18.50		
20	64QAM	50	50	18.22	18.32	18.36		
20	64QAM	100	0	18.37	18.38	18.46		
20	256QAM	1	0	18.48	18.50	18.44	20	0
20	256QAM	1	49	18.49	18.36	18.33		
20	256QAM	1	99	18.30	18.27	18.51		
20	256QAM	50	0	18.46	18.46	18.45	20	0
20	256QAM	50	24	18.41	18.49	18.36		
20	256QAM	50	50	18.44	18.51	18.50		
20	256QAM	100	0	18.38	18.55	18.45		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.38	18.41	18.46	20	0
15	QPSK	1	37	18.49	18.40	18.44		
15	QPSK	1	74	18.30	18.48	18.43		
15	QPSK	36	0	18.30	18.33	18.27	20	0
15	QPSK	36	20	18.32	18.31	18.29		
15	QPSK	36	39	18.38	18.14	18.11		
15	QPSK	75	0	18.28	18.26	18.33		
15	16QAM	1	0	18.23	18.24	18.28	20	0
15	16QAM	1	37	18.24	18.19	18.21		
15	16QAM	1	74	18.29	18.32	18.11		
15	16QAM	36	0	18.37	18.36	18.20	20	0
15	16QAM	36	20	18.17	18.12	18.22		
15	16QAM	36	39	18.24	18.36	18.26		
15	16QAM	75	0	18.17	18.39	18.23		
15	64QAM	1	0	18.28	18.10	18.28	20	0
15	64QAM	1	37	18.08	18.33	18.39		
15	64QAM	1	74	18.38	18.32	18.21		
15	64QAM	36	0	18.31	18.36	18.31	20	0
15	64QAM	36	20	18.32	18.32	18.40		
15	64QAM	36	39	18.30	18.31	18.25		
15	64QAM	75	0	18.39	18.24	18.27		
15	256QAM	1	0	18.15	18.51	18.15	20	0
15	256QAM	1	37	18.37	18.21	18.32		
15	256QAM	1	74	18.17	18.15	18.35		
15	256QAM	36	0	18.38	18.44	18.33	20	0
15	256QAM	36	20	18.25	18.34	18.27		
15	256QAM	36	39	18.22	18.38	18.29		
15	256QAM	75	0	18.28	18.31	18.20		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.39	18.45	18.48	20	0
10	QPSK	1	25	18.36	18.47	18.38		
10	QPSK	1	49	18.52	18.35	18.42		
10	QPSK	25	0	18.21	18.44	18.32	20	0
10	QPSK	25	12	18.21	18.25	18.31		
10	QPSK	25	25	18.19	18.24	18.18		
10	QPSK	50	0	18.33	18.22	18.18		
10	16QAM	1	0	18.24	18.32	18.22	20	0
10	16QAM	1	25	18.26	18.08	18.26		
10	16QAM	1	49	18.12	18.34	18.11		
10	16QAM	25	0	18.19	18.31	18.15	20	0
10	16QAM	25	12	18.21	18.22	18.18		
10	16QAM	25	25	18.29	18.38	18.25		
10	16QAM	50	0	18.23	18.23	18.18		
10	64QAM	1	0	18.24	18.31	18.39	20	0
10	64QAM	1	25	18.18	18.18	18.31		
10	64QAM	1	49	18.25	18.32	18.28		
10	64QAM	25	0	18.24	18.36	18.14	20	0
10	64QAM	25	12	18.16	18.23	18.20		
10	64QAM	25	25	18.28	18.24	18.16		
10	64QAM	50	0	18.27	18.21	18.16		
10	256QAM	1	0	18.17	18.52	18.35	20	0
10	256QAM	1	25	18.30	18.25	18.36		
10	256QAM	1	49	18.17	18.33	18.21		
10	256QAM	25	0	18.34	18.36	18.14	20	0
10	256QAM	25	12	18.36	18.32	18.26		
10	256QAM	25	25	18.31	18.21	18.22		
10	256QAM	50	0	18.26	18.36	18.29		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.30	18.37	18.52	20	0
5	QPSK	1	12	18.50	18.50	18.46		
5	QPSK	1	24	18.42	18.44	18.34		
5	QPSK	12	0	18.33	18.20	18.30	20	0
5	QPSK	12	7	18.19	18.21	18.26		
5	QPSK	12	13	18.38	18.15	18.11		
5	QPSK	25	0	18.21	18.26	18.21		
5	16QAM	1	0	18.15	18.15	18.37	20	0
5	16QAM	1	12	18.21	18.25	18.23		
5	16QAM	1	24	18.32	18.28	18.26		
5	16QAM	12	0	18.31	18.23	18.18	20	0
5	16QAM	12	7	18.30	18.21	18.14		
5	16QAM	12	13	18.29	18.36	18.25		
5	16QAM	25	0	18.28	18.27	18.36		
5	64QAM	1	0	18.22	18.27	18.35	20	0
5	64QAM	1	12	18.27	18.14	18.24		
5	64QAM	1	24	18.17	18.29	18.32		
5	64QAM	12	0	18.29	18.42	18.28	20	0
5	64QAM	12	7	18.30	18.21	18.37		
5	64QAM	12	13	18.16	18.26	18.24		
5	64QAM	25	0	18.39	18.22	18.34		
5	256QAM	1	0	18.17	18.38	18.29	20	0
5	256QAM	1	12	18.30	18.37	18.38		
5	256QAM	1	24	18.20	18.18	18.20		
5	256QAM	12	0	18.24	18.40	18.31	20	0
5	256QAM	12	7	18.25	18.41	18.26		
5	256QAM	12	13	18.37	18.24	18.37		
5	256QAM	25	0	18.37	18.48	18.14		
Channel				18615	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.47	18.41	18.51	20	0
3	QPSK	1	8	18.49	18.42	18.32		
3	QPSK	1	14	18.33	18.45	18.33		
3	QPSK	8	0	18.14	18.38	18.30	20	0
3	QPSK	8	4	18.31	18.17	18.24		
3	QPSK	8	7	18.25	18.18	18.09		
3	QPSK	15	0	18.33	18.21	18.25		
3	16QAM	1	0	18.10	18.13	18.26	20	0
3	16QAM	1	8	18.20	18.28	18.21		
3	16QAM	1	14	18.28	18.24	18.17		
3	16QAM	8	0	18.18	18.21	18.14	20	0
3	16QAM	8	4	18.20	18.27	18.16		
3	16QAM	8	7	18.31	18.38	18.33		
3	16QAM	15	0	18.34	18.19	18.34		
3	64QAM	1	0	18.22	18.18	18.30	20	0
3	64QAM	1	8	18.32	18.14	18.42		
3	64QAM	1	14	18.24	18.40	18.13		
3	64QAM	8	0	18.31	18.46	18.12	20	0
3	64QAM	8	4	18.21	18.18	18.27		
3	64QAM	8	7	18.17	18.19	18.24		
3	64QAM	15	0	18.22	18.36	18.16		
3	256QAM	1	0	18.26	18.45	18.18	20	0
3	256QAM	1	8	18.31	18.21	18.22		
3	256QAM	1	14	18.33	18.26	18.35		
3	256QAM	8	0	18.25	18.30	18.35	20	0
3	256QAM	8	4	18.20	18.21	18.31		
3	256QAM	8	7	18.21	18.36	18.27		
3	256QAM	15	0	18.25	18.40	18.26		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.46	18.36	18.54	20	0
1.4	QPSK	1	3	18.31	18.41	18.54		
1.4	QPSK	1	5	18.48	18.37	18.36		
1.4	QPSK	3	0	18.24	18.29	18.21		
1.4	QPSK	3	1	18.17	18.20	18.36		
1.4	QPSK	3	3	18.29	18.28	18.14		
1.4	QPSK	6	0	18.27	18.27	18.17	20	0
1.4	16QAM	1	0	18.26	18.17	18.14	20	0
1.4	16QAM	1	3	18.33	18.12	18.36		
1.4	16QAM	1	5	18.22	18.35	18.16		
1.4	16QAM	3	0	18.17	18.28	18.21		
1.4	16QAM	3	1	18.15	18.30	18.26		
1.4	16QAM	3	3	18.35	18.21	18.20		
1.4	16QAM	6	0	18.20	18.18	18.34	20	0
1.4	64QAM	1	0	18.29	18.29	18.22	20	0
1.4	64QAM	1	3	18.30	18.17	18.34		
1.4	64QAM	1	5	18.23	18.27	18.13		
1.4	64QAM	3	0	18.23	18.41	18.34		
1.4	64QAM	3	1	18.22	18.37	18.24		
1.4	64QAM	3	3	18.29	18.13	18.33		
1.4	64QAM	6	0	18.36	18.23	18.23	20	0
1.4	256QAM	1	0	18.20	18.45	18.31	20	0
1.4	256QAM	1	3	18.18	18.30	18.41		
1.4	256QAM	1	5	18.33	18.24	18.18		
1.4	256QAM	3	0	18.23	18.39	18.26		
1.4	256QAM	3	1	18.21	18.39	18.22		
1.4	256QAM	3	3	18.28	18.26	18.26		
1.4	256QAM	6	0	18.36	18.31	18.22	20	0

Band 7 Ant2 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	13.29	13.37	13.31	14.5	0
20	QPSK	1	49	13.10	13.08	13.24		
20	QPSK	1	99	13.24	13.33	13.21		
20	QPSK	50	0	13.25	13.34	13.27	14.5	0
20	QPSK	50	24	12.88	13.26	13.20		
20	QPSK	50	50	13.16	13.15	12.98		
20	QPSK	100	0	13.08	13.16	13.14		
20	16QAM	1	0	13.07	13.13	13.07	14.5	0
20	16QAM	1	49	12.92	13.09	13.33		
20	16QAM	1	99	13.30	13.31	13.03		
20	16QAM	50	0	13.33	13.15	13.15	14.5	0
20	16QAM	50	24	13.19	13.28	13.10		
20	16QAM	50	50	13.03	13.15	13.13		
20	16QAM	100	0	13.10	13.29	13.30		
20	64QAM	1	0	13.18	13.04	13.17	14.5	0
20	64QAM	1	49	13.17	13.17	13.16		
20	64QAM	1	99	13.27	13.13	13.20		
20	64QAM	50	0	13.31	13.19	13.07	14.5	0
20	64QAM	50	24	13.04	13.12	13.26		
20	64QAM	50	50	13.06	13.10	13.04		
20	64QAM	100	0	13.22	13.12	13.20		
20	256QAM	1	0	13.16	13.21	13.30	14.5	0
20	256QAM	1	49	13.17	13.18	13.11		
20	256QAM	1	99	13.20	13.21	13.17		
20	256QAM	50	0	13.19	13.01	13.23	14.5	0
20	256QAM	50	24	13.17	13.19	13.15		
20	256QAM	50	50	13.32	13.33	13.14		
20	256QAM	100	0	13.26	13.23	13.20		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	13.31	13.25	13.33	14.5	0
15	QPSK	1	37	13.08	13.02	13.25		
15	QPSK	1	74	13.20	13.28	13.24		
15	QPSK	36	0	13.22	13.24	13.25	14.5	0
15	QPSK	36	20	12.88	13.17	13.18		
15	QPSK	36	39	13.11	13.15	12.98		
15	QPSK	75	0	13.03	13.17	13.14		
15	16QAM	1	0	13.03	13.09	13.03	14.5	0
15	16QAM	1	37	12.94	13.08	13.04		
15	16QAM	1	74	13.32	13.28	12.99		
15	16QAM	36	0	13.31	13.15	13.17	14.5	0
15	16QAM	36	20	13.18	13.28	13.10		
15	16QAM	36	39	12.96	13.12	13.15		
15	16QAM	75	0	13.11	13.20	13.29		
15	64QAM	1	0	13.12	13.06	13.16	14.5	0
15	64QAM	1	37	13.12	13.19	13.10		
15	64QAM	1	74	13.25	13.12	13.20		
15	64QAM	36	0	13.24	13.19	13.08	14.5	0
15	64QAM	36	20	13.02	13.05	13.26		
15	64QAM	36	39	13.08	13.05	13.00		
15	64QAM	75	0	13.15	13.08	13.23		
15	256QAM	1	0	13.30	13.18	13.29	14.5	0
15	256QAM	1	37	13.29	13.19	13.11		
15	256QAM	1	74	13.13	13.16	13.16		
15	256QAM	36	0	13.14	13.00	13.21	14.5	0
15	256QAM	36	20	13.13	13.16	13.15		
15	256QAM	36	39	13.28	13.14	13.08		
15	256QAM	75	0	13.21	13.22	13.18		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.20	13.33	13.29	14.5	0
10	QPSK	1	25	13.10	13.03	13.24		
10	QPSK	1	49	13.20	13.27	13.22		
10	QPSK	25	0	13.25	13.31	13.19	14.5	0
10	QPSK	25	12	12.81	13.19	13.22		
10	QPSK	25	25	13.11	13.07	12.94		
10	QPSK	50	0	13.07	13.11	13.07		
10	16QAM	1	0	13.07	13.11	13.04	14.5	0
10	16QAM	1	25	12.95	13.04	13.29		
10	16QAM	1	49	13.29	13.29	13.04		
10	16QAM	25	0	13.29	13.09	13.04	14.5	0
10	16QAM	25	12	13.10	13.26	13.06		
10	16QAM	25	25	13.06	13.07	13.14		
10	16QAM	50	0	13.02	13.20	13.22		
10	64QAM	1	0	13.12	13.06	13.17	14.5	0
10	64QAM	1	25	13.12	13.18	13.15		
10	64QAM	1	49	13.20	13.06	13.17		
10	64QAM	25	0	13.14	13.20	13.06	14.5	0
10	64QAM	25	12	13.02	13.07	13.25		
10	64QAM	25	25	13.02	13.05	12.97		
10	64QAM	50	0	13.21	13.07	13.18		
10	256QAM	1	0	13.33	13.22	13.28	14.5	0
10	256QAM	1	25	13.30	13.13	13.04		
10	256QAM	1	49	13.13	13.24	13.14		
10	256QAM	25	0	13.19	13.00	13.20	14.5	0
10	256QAM	25	12	13.12	13.15	13.33		
10	256QAM	25	25	13.24	13.33	13.07		
10	256QAM	50	0	13.25	13.25	13.20		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	13.23	13.30	13.22	14.5	0
5	QPSK	1	12	13.05	13.00	13.23		
5	QPSK	1	24	13.17	13.28	13.14		
5	QPSK	12	0	13.22	13.24	13.28	14.5	0
5	QPSK	12	7	12.89	13.28	13.19		
5	QPSK	12	13	13.07	13.07	13.00		
5	QPSK	25	0	13.04	13.17	13.11		
5	16QAM	1	0	13.02	13.12	13.05	14.5	0
5	16QAM	1	12	12.83	13.11	13.27		
5	16QAM	1	24	13.31	13.29	13.04		
5	16QAM	12	0	13.26	13.16	13.30	14.5	0
5	16QAM	12	7	13.17	13.24	13.03		
5	16QAM	12	13	13.01	13.10	13.05		
5	16QAM	25	0	13.03	13.27	13.28		
5	64QAM	1	0	13.18	12.96	13.09	14.5	0
5	64QAM	1	12	13.09	13.10	13.14		
5	64QAM	1	24	13.21	13.12	13.13		
5	64QAM	12	0	13.29	13.15	13.01	14.5	0
5	64QAM	12	7	13.01	13.06	13.24		
5	64QAM	12	13	12.98	13.01	13.00		
5	64QAM	25	0	13.18	13.06	13.18		
5	256QAM	1	0	13.28	13.20	13.27	14.5	0
5	256QAM	1	12	13.05	13.10	13.04		
5	256QAM	1	24	13.21	13.13	13.12		
5	256QAM	12	0	13.21	13.02	13.16	14.5	0
5	256QAM	12	7	13.20	13.16	13.16		
5	256QAM	12	13	13.30	13.26	13.05		
5	256QAM	25	0	13.29	13.24	13.13		

Band 7 Ant4 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.50	15.51	15.48	17	0
20	QPSK	1	49	15.44	15.47	15.17		
20	QPSK	1	99	15.34	15.40	15.26		
20	QPSK	50	0	15.36	15.45	15.37	17	0
20	QPSK	50	24	15.26	15.40	15.39		
20	QPSK	50	50	15.27	15.21	15.16		
20	QPSK	100	0	15.24	15.32	15.29		
20	16QAM	1	0	15.24	15.26	15.35	17	0
20	16QAM	1	49	15.04	15.11	15.43		
20	16QAM	1	99	15.45	15.37	15.31		
20	16QAM	50	0	15.41	15.26	15.24	17	0
20	16QAM	50	24	15.22	15.41	15.39		
20	16QAM	50	50	15.10	15.24	15.32		
20	16QAM	100	0	15.21	15.50	15.48		
20	64QAM	1	0	15.00	15.39	15.42	17	0
20	64QAM	1	49	15.31	15.28	15.23		
20	64QAM	1	99	15.42	15.38	15.32		
20	64QAM	50	0	15.43	15.40	15.25	17	0
20	64QAM	50	24	15.19	15.14	15.34		
20	64QAM	50	50	15.33	15.11	15.07		
20	64QAM	100	0	15.14	15.26	15.25		
20	256QAM	1	0	15.13	15.45	15.21	17	0
20	256QAM	1	49	15.44	15.50	15.25		
20	256QAM	1	99	15.02	15.32	15.42		
20	256QAM	50	0	15.28	15.15	15.23	17	0
20	256QAM	50	24	15.43	15.21	15.34		
20	256QAM	50	50	15.25	15.46	15.20		
20	256QAM	100	0	15.31	15.43	15.38		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.43	15.46	15.40	17	0
15	QPSK	1	37	15.44	15.48	15.17		
15	QPSK	1	74	15.33	15.35	15.23		
15	QPSK	36	0	15.37	15.37	15.38	17	0
15	QPSK	36	20	15.21	15.32	15.32		
15	QPSK	36	39	15.24	15.22	15.18		
15	QPSK	75	0	15.25	15.25	15.28		
15	16QAM	1	0	15.18	15.23	15.29	17	0
15	16QAM	1	37	15.18	15.12	15.39		
15	16QAM	1	74	15.39	15.39	15.26		
15	16QAM	36	0	15.42	15.25	15.18	17	0
15	16QAM	36	20	15.16	15.36	15.37		
15	16QAM	36	39	15.11	15.17	15.33		
15	16QAM	75	0	15.13	15.50	15.43		
15	64QAM	1	0	15.23	15.39	15.40	17	0
15	64QAM	1	37	15.28	15.30	15.16		
15	64QAM	1	74	15.41	15.39	15.26		
15	64QAM	36	0	15.36	15.36	15.23	17	0
15	64QAM	36	20	15.18	15.15	15.35		
15	64QAM	36	39	15.32	15.06	15.07		
15	64QAM	75	0	15.16	15.18	15.22		
15	256QAM	1	0	15.05	15.41	15.14	17	0
15	256QAM	1	37	15.42	15.49	15.19		
15	256QAM	1	74	15.00	15.26	15.44		
15	256QAM	36	0	15.24	15.10	15.17	17	0
15	256QAM	36	20	15.39	15.22	15.30		
15	256QAM	36	39	15.16	15.38	15.15		
15	256QAM	75	0	15.33	15.39	15.40		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.42	15.48	15.46	17	0
10	QPSK	1	25	15.42	15.42	15.14		
10	QPSK	1	49	15.29	15.34	15.26		
10	QPSK	25	0	15.29	15.48	15.31	17	0
10	QPSK	25	12	15.27	15.40	15.38		
10	QPSK	25	25	15.24	15.19	15.11		
10	QPSK	50	0	15.19	15.30	15.20		
10	16QAM	1	0	15.17	15.29	15.26	17	0
10	16QAM	1	25	15.16	15.06	15.37		
10	16QAM	1	49	15.43	15.29	15.23		
10	16QAM	25	0	15.34	15.28	15.26	17	0
10	16QAM	25	12	15.19	15.41	15.35		
10	16QAM	25	25	15.06	15.21	15.35		
10	16QAM	50	0	15.23	15.50	15.49		
10	64QAM	1	0	15.36	15.42	15.37	17	0
10	64QAM	1	25	15.28	15.22	15.22		
10	64QAM	1	49	15.39	15.31	15.28		
10	64QAM	25	0	15.37	15.33	15.21	17	0
10	64QAM	25	12	15.17	15.11	15.37		
10	64QAM	25	25	15.27	15.07	15.03		
10	64QAM	50	0	15.07	15.20	15.19		
10	256QAM	1	0	15.08	15.46	15.13	17	0
10	256QAM	1	25	15.38	15.47	15.23		
10	256QAM	1	49	15.01	15.30	15.35		
10	256QAM	25	0	15.19	15.18	15.24	17	0
10	256QAM	25	12	15.43	15.21	15.26		
10	256QAM	25	25	15.27	15.42	15.12		
10	256QAM	50	0	15.26	15.38	15.40		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.48	15.50	15.48	17	0
5	QPSK	1	12	15.41	15.50	15.13		
5	QPSK	1	24	15.32	15.37	15.23		
5	QPSK	12	0	15.39	15.42	15.31	17	0
5	QPSK	12	7	15.22	15.36	15.37		
5	QPSK	12	13	15.25	15.23	15.15		
5	QPSK	25	0	15.19	15.34	15.25		
5	16QAM	1	0	15.25	15.26	15.29	17	0
5	16QAM	1	12	15.05	15.04	15.35		
5	16QAM	1	24	15.47	15.31	15.30		
5	16QAM	12	0	15.43	15.19	15.21	17	0
5	16QAM	12	7	15.18	15.42	15.33		
5	16QAM	12	13	15.07	15.20	15.31		
5	16QAM	25	0	15.23	15.45	15.47		
5	64QAM	1	0	15.29	15.37	15.36	17	0
5	64QAM	1	12	15.32	15.22	15.19		
5	64QAM	1	24	15.41	15.35	15.32		
5	64QAM	12	0	15.35	15.41	15.24	17	0
5	64QAM	12	7	15.17	15.14	15.30		
5	64QAM	12	13	15.26	15.09	15.03		
5	64QAM	25	0	15.08	15.27	15.27		
5	256QAM	1	0	15.06	15.44	15.15	17	0
5	256QAM	1	12	15.45	15.49	15.25		
5	256QAM	1	24	15.01	15.35	15.42		
5	256QAM	12	0	15.28	15.17	15.16	17	0
5	256QAM	12	7	15.40	15.19	15.25		
5	256QAM	12	13	15.27	15.47	15.19		
5	256QAM	25	0	15.32	15.44	15.40		

Band 7 Ant5 DSI1 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.74	19.78	19.72	21	0
20	QPSK	1	49	19.62	19.70	19.67		
20	QPSK	1	99	19.55	19.67	19.56		
20	QPSK	50	0	19.44	19.64	19.59	21	0
20	QPSK	50	24	19.55	19.55	19.49		
20	QPSK	50	50	19.45	19.50	19.41		
20	QPSK	100	0	19.40	19.52	19.47		
20	16QAM	1	0	19.60	19.70	19.54	21	0
20	16QAM	1	49	19.49	19.61	19.59		
20	16QAM	1	99	19.49	19.57	19.43		
20	16QAM	50	0	18.51	18.65	18.53	20	1
20	16QAM	50	24	18.45	18.61	18.51		
20	16QAM	50	50	18.55	18.64	18.55		
20	16QAM	100	0	18.40	18.54	18.47		
20	64QAM	1	0	18.53	18.66	18.55	20	1
20	64QAM	1	49	18.55	18.60	18.41		
20	64QAM	1	99	18.43	18.52	18.46		
20	64QAM	50	0	17.42	17.52	17.46	19	2
20	64QAM	50	24	17.42	17.53	17.43		
20	64QAM	50	50	17.54	17.57	17.47		
20	64QAM	100	0	17.49	17.51	17.37		
20	256QAM	1	0	15.57	15.70	15.65	17	4
20	256QAM	1	49	15.61	15.59	15.53		
20	256QAM	1	99	15.49	15.58	15.53		
20	256QAM	50	0	15.41	15.51	15.46	17	4
20	256QAM	50	24	15.46	15.49	15.36		
20	256QAM	50	50	15.49	15.52	15.45		
20	256QAM	100	0	15.39	15.56	15.53		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.68	19.75	19.58	21	0
15	QPSK	1	37	19.56	19.63	19.53		
15	QPSK	1	74	19.60	19.60	19.48		
15	QPSK	36	0	19.32	19.56	19.56	21	0
15	QPSK	36	20	19.48	19.43	19.46		
15	QPSK	36	39	19.31	19.45	19.34		
15	QPSK	75	0	19.26	19.38	19.39		
15	16QAM	1	0	19.52	19.59	19.44	21	0
15	16QAM	1	37	19.40	19.51	19.49		
15	16QAM	1	74	19.38	19.47	19.36		
15	16QAM	36	0	18.42	18.50	18.48	20	1
15	16QAM	36	20	18.30	18.56	18.46		
15	16QAM	36	39	18.46	18.57	18.50		
15	16QAM	75	0	18.27	18.45	18.40		
15	64QAM	1	0	18.38	18.62	18.43	20	1
15	64QAM	1	37	18.50	18.46	18.34		
15	64QAM	1	74	18.34	18.38	18.38		
15	64QAM	36	0	17.36	17.42	17.36	19	2
15	64QAM	36	20	17.28	17.40	17.37		
15	64QAM	36	39	17.43	17.50	17.34		
15	64QAM	75	0	17.44	17.41	17.33		
15	256QAM	1	0	15.51	15.65	15.58	17	4
15	256QAM	1	37	15.48	15.51	15.45		
15	256QAM	1	74	15.45	15.46	15.50		
15	256QAM	36	0	15.28	15.39	15.40	17	4
15	256QAM	36	20	15.32	15.36	15.23		
15	256QAM	36	39	15.35	15.37	15.40		
15	256QAM	75	0	15.34	15.43	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.63	19.69	19.64	21	0
10	QPSK	1	25	19.53	19.63	19.51		
10	QPSK	1	49	19.60	19.62	19.49		
10	QPSK	25	0	19.39	19.49	19.46	21	0
10	QPSK	25	12	19.43	19.51	19.35		
10	QPSK	25	25	19.33	19.44	19.34		
10	QPSK	50	0	19.34	19.44	19.43		
10	16QAM	1	0	19.51	19.64	19.49	21	0
10	16QAM	1	25	19.44	19.57	19.49		
10	16QAM	1	49	19.42	19.45	19.35		
10	16QAM	25	0	18.41	18.62	18.39	20	1
10	16QAM	25	12	18.40	18.50	18.43		
10	16QAM	25	25	18.49	18.52	18.44		
10	16QAM	50	0	18.35	18.44	18.39		
10	64QAM	1	0	18.44	18.56	18.41	20	1
10	64QAM	1	25	18.47	18.51	18.34		
10	64QAM	1	49	18.38	18.47	18.34		
10	64QAM	25	0	17.37	17.45	17.40	19	2
10	64QAM	25	12	17.32	17.50	17.34		
10	64QAM	25	25	17.39	17.46	17.38		
10	64QAM	50	0	17.39	17.44	17.28		
10	256QAM	1	0	15.53	15.61	15.59	17	4
10	256QAM	1	25	15.49	15.50	15.41		
10	256QAM	1	49	15.40	15.44	15.39		
10	256QAM	25	0	15.28	15.45	15.39	17	4
10	256QAM	25	12	15.35	15.38	15.22		
10	256QAM	25	25	15.36	15.38	15.39		
10	256QAM	50	0	15.30	15.51	15.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.61	19.75	19.55	21	0
5	QPSK	1	12	19.57	19.64	19.52		
5	QPSK	1	24	19.59	19.64	19.54		
5	QPSK	12	0	19.35	19.57	19.55	21	0
5	QPSK	12	7	19.45	19.50	19.35		
5	QPSK	12	13	19.39	19.46	19.34		
5	QPSK	25	0	19.26	19.45	19.39		
5	16QAM	1	0	19.52	19.58	19.40	21	0
5	16QAM	1	12	19.40	19.51	19.47		
5	16QAM	1	24	19.45	19.45	19.39		
5	16QAM	12	0	18.44	18.51	18.41	20	1
5	16QAM	12	7	18.37	18.55	18.43		
5	16QAM	12	13	18.44	18.57	18.41		
5	16QAM	25	0	18.30	18.47	18.34		
5	64QAM	1	0	18.43	18.60	18.46	20	1
5	64QAM	1	12	18.48	18.50	18.26		
5	64QAM	1	24	18.32	18.48	18.32		
5	64QAM	12	0	17.28	17.38	17.33	19	2
5	64QAM	12	7	17.39	17.50	17.28		
5	64QAM	12	13	17.41	17.52	17.39		
5	64QAM	25	0	17.44	17.46	17.28		
5	256QAM	1	0	15.48	15.63	15.52	17	4
5	256QAM	1	12	15.48	15.47	15.43		
5	256QAM	1	24	15.45	15.55	15.43		
5	256QAM	12	0	15.35	15.47	15.39	17	4
5	256QAM	12	7	15.37	15.37	15.26		
5	256QAM	12	13	15.46	15.48	15.41		
5	256QAM	25	0	15.27	15.43	15.47		

Reduced Power SA Mode for DSI3

GSM850 Ant0 DSI3

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.08	32.57	34.00	23.57	23.08	23.57	25.00
GPRS 1 Tx slot	32.54	32.11	32.45	34.00	23.54	23.11	23.45	25.00
GPRS 2 Tx slots	29.20	29.14	29.18	31.00	23.20	23.14	23.18	25.00
GPRS 3 Tx slots	27.86	27.48	27.46	29.20	23.60	23.22	23.20	24.94
GPRS 4 Tx slots	26.17	26.21	26.18	28.00	23.17	23.21	23.18	25.00
EDGE 1 Tx slot	26.13	26.16	26.11	27.50	17.13	17.16	17.11	18.50
EDGE 2 Tx slots	23.29	23.34	23.46	24.50	17.29	17.34	17.46	18.50
EDGE 3 Tx slots	21.63	21.44	21.61	22.70	17.37	17.18	17.35	18.44
EDGE 4 Tx slots	20.21	20.06	20.44	21.50	17.21	17.06	17.44	18.50

WCDMA V Ant0 DSI3

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.00	23.99	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.02	23.97	25.00
3GPP Rel 6	HSDPA Subtest-1	22.94	23.03	23.02	24.00
3GPP Rel 6	HSDPA Subtest-2	23.01	23.05	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.55	22.53	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.54	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.02	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	23.07	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.40	22.48	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.55	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.01	23.00	24.00
3GPP Rel 6	HSUPA Subtest-2	20.96	21.03	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	20.99	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.04	23.01	22.99	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.42	20.59	20.58	21.50

Band 5 Ant0 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.17	24.22	24.18	25.5	0
10	QPSK	1	25	24.06	24.13	24.05		
10	QPSK	1	49	24.11	24.20	24.14		
10	QPSK	25	0	23.11	23.19	23.14	24.5	1
10	QPSK	25	12	23.11	23.17	23.10		
10	QPSK	25	25	23.09	23.12	23.15		
10	QPSK	50	0	23.00	23.07	23.06		
10	16QAM	1	0	23.19	23.24	23.20	24.5	1
10	16QAM	1	25	23.34	23.34	23.33		
10	16QAM	1	49	23.10	23.17	23.10		
10	16QAM	25	0	22.13	22.21	22.21	23.5	2
10	16QAM	25	12	22.08	22.10	22.01		
10	16QAM	25	25	22.11	22.15	22.13		
10	16QAM	50	0	22.05	22.13	22.10		
10	64QAM	1	0	22.20	22.22	22.20	23.5	2
10	64QAM	1	25	22.18	22.24	22.26		
10	64QAM	1	49	22.08	22.15	22.12		
10	64QAM	25	0	21.13	21.16	21.18	22.5	3
10	64QAM	25	12	21.07	21.09	21.00		
10	64QAM	25	25	21.22	21.23	21.21		
10	64QAM	50	0	21.05	21.08	21.04		
10	256QAM	1	0	19.09	19.14	19.17	20.5	5
10	256QAM	1	25	19.17	19.21	19.16		
10	256QAM	1	49	19.04	19.08	19.08		
10	256QAM	25	0	19.14	19.21	19.16	20.5	5
10	256QAM	25	12	19.18	19.16	19.17		
10	256QAM	25	25	19.07	19.06	19.03		
10	256QAM	50	0	19.03	19.11	19.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.11	24.19	24.10	25.5	0
5	QPSK	1	12	23.98	24.11	24.00		
5	QPSK	1	24	24.02	24.16	24.14		
5	QPSK	12	0	23.08	23.22	23.09	24.5	1
5	QPSK	12	7	23.14	23.08	23.11		
5	QPSK	12	13	23.07	23.14	23.12		
5	QPSK	25	0	22.92	23.06	23.02		
5	16QAM	1	0	23.11	23.18	23.19	24.5	1
5	16QAM	1	12	23.25	23.36	23.35		
5	16QAM	1	24	23.10	23.14	23.12		
5	16QAM	12	0	22.15	22.22	22.20	23.5	2
5	16QAM	12	7	22.00	22.10	21.92		
5	16QAM	12	13	22.05	22.14	22.13		
5	16QAM	25	0	21.99	22.09	22.03		
5	64QAM	1	0	22.14	22.25	22.12	23.5	2
5	64QAM	1	12	22.18	22.25	22.23		
5	64QAM	1	24	22.10	22.17	22.08		
5	64QAM	12	0	21.05	21.14	21.16	22.5	3
5	64QAM	12	7	21.09	21.05	20.99		
5	64QAM	12	13	21.17	21.25	21.20		
5	64QAM	25	0	20.98	21.09	21.04		
5	256QAM	1	0	19.01	19.13	19.14	20.5	5
5	256QAM	1	12	19.13	19.15	19.16		
5	256QAM	1	24	18.98	19.00	19.01		
5	256QAM	12	0	19.06	19.22	19.13	20.5	5
5	256QAM	12	7	19.13	19.15	19.19		
5	256QAM	12	13	19.00	19.04	19.06		
5	256QAM	25	0	19.00	19.10	19.01		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.16	24.12	25.5	0
3	QPSK	1	8	23.98	24.14	24.00		
3	QPSK	1	14	24.14	24.18	24.09		
3	QPSK	8	0	23.13	23.14	23.05	24.5	1
3	QPSK	8	4	23.04	23.14	23.04		
3	QPSK	8	7	23.11	23.12	23.07		
3	QPSK	15	0	22.98	23.02	23.00		
3	16QAM	1	0	23.20	23.25	23.18	24.5	1
3	16QAM	1	8	23.34	23.34	23.34		
3	16QAM	1	14	23.03	23.17	23.12		
3	16QAM	8	0	22.11	22.15	22.14	23.5	2
3	16QAM	8	4	22.05	22.07	21.99		
3	16QAM	8	7	22.04	22.09	22.08		
3	16QAM	15	0	22.00	22.04	22.02		
3	64QAM	1	0	22.15	22.16	22.16	23.5	2
3	64QAM	1	8	22.12	22.23	22.25		
3	64QAM	1	14	21.99	22.16	22.12		
3	64QAM	8	0	21.14	21.13	21.20	22.5	3
3	64QAM	8	4	21.04	21.12	20.98		
3	64QAM	8	7	21.24	21.15	21.24		
3	64QAM	15	0	21.07	21.03	20.96		
3	256QAM	1	0	19.12	19.10	19.19	20.5	5
3	256QAM	1	8	19.15	19.19	19.16		
3	256QAM	1	14	19.00	19.04	19.08		
3	256QAM	8	0	19.16	19.15	19.17	20.5	5
3	256QAM	8	4	19.14	19.13	19.13		
3	256QAM	8	7	19.01	19.03	19.02		
3	256QAM	15	0	19.05	19.14	19.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.15	24.16	24.21	25.5	0
1.4	QPSK	1	3	24.06	24.13	24.02		
1.4	QPSK	1	5	24.03	24.17	24.10		
1.4	QPSK	3	0	24.10	24.13	24.15		
1.4	QPSK	3	1	24.07	24.05	24.07		
1.4	QPSK	3	3	24.04	24.20	24.11		
1.4	QPSK	6	0	23.03	23.16	23.08	24.5	1
1.4	16QAM	1	0	23.11	23.15	23.03	24.5	1
1.4	16QAM	1	3	23.09	23.09	23.10		
1.4	16QAM	1	5	22.97	23.02	23.04		
1.4	16QAM	3	0	23.12	23.24	23.20		
1.4	16QAM	3	1	23.28	23.27	23.24		
1.4	16QAM	3	3	23.04	23.10	23.12		
1.4	16QAM	6	0	22.15	22.19	22.23	23.5	2
1.4	64QAM	1	0	22.05	22.12	21.95	23.5	2
1.4	64QAM	1	3	22.12	22.09	22.12		
1.4	64QAM	1	5	22.00	22.07	22.07		
1.4	64QAM	3	0	22.18	22.24	22.11		
1.4	64QAM	3	1	22.19	22.16	22.22		
1.4	64QAM	3	3	22.01	22.11	22.14		
1.4	64QAM	6	0	21.09	21.11	21.17	22.5	3
1.4	256QAM	1	0	19.03	19.16	19.17	20.5	5
1.4	256QAM	1	3	19.18	19.20	19.09		
1.4	256QAM	1	5	18.97	19.03	19.03		
1.4	256QAM	3	0	19.11	19.18	19.19		
1.4	256QAM	3	1	19.12	19.16	19.14		
1.4	256QAM	3	3	19.09	19.04	18.95		
1.4	256QAM	6	0	19.01	19.11	19.01	20.5	5

Band 26 Ant0 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.18	24.23	24.11	25.5	0
15	QPSK	1	37	24.14	24.21	24.04		
15	QPSK	1	74	24.13	24.18	24.10		
15	QPSK	36	0	23.18	23.21	23.15	24.5	1
15	QPSK	36	20	23.14	23.20	23.03		
15	QPSK	36	39	23.15	23.12	23.13		
15	QPSK	75	0	23.14	23.18	23.13		
15	16QAM	1	0	23.11	23.13	23.03	24.5	1
15	16QAM	1	37	23.10	23.11	22.93		
15	16QAM	1	74	23.10	23.09	23.05		
15	16QAM	36	0	22.18	22.25	22.20	23.5	2
15	16QAM	36	20	22.20	22.19	22.04		
15	16QAM	36	39	22.10	22.10	22.16		
15	16QAM	75	0	22.13	22.19	22.19		
15	64QAM	1	0	22.05	22.18	22.09	23.5	2
15	64QAM	1	37	22.15	22.10	21.90		
15	64QAM	1	74	22.07	22.03	22.10		
15	64QAM	36	0	21.16	21.23	21.15	22.5	3
15	64QAM	36	20	21.08	21.21	21.02		
15	64QAM	36	39	21.14	21.07	21.15		
15	64QAM	75	0	21.14	21.23	21.16		
15	256QAM	1	0	19.17	19.26	19.13	20.5	5
15	256QAM	1	37	19.15	19.17	19.08		
15	256QAM	1	74	19.14	19.14	19.12		
15	256QAM	36	0	19.13	19.14	19.13	20.5	5
15	256QAM	36	20	19.09	19.09	19.05		
15	256QAM	36	39	19.09	19.17	18.90		
15	256QAM	75	0	19.15	19.08	19.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.09	24.21	24.02	25.5	0
10	QPSK	1	25	24.09	24.15	24.02		
10	QPSK	1	49	24.12	24.11	24.12		
10	QPSK	25	0	23.12	23.15	23.10	24.5	1
10	QPSK	25	12	23.10	23.13	22.94		
10	QPSK	25	25	23.12	23.04	23.15		
10	QPSK	50	0	23.08	23.16	23.05		
10	16QAM	1	0	23.03	23.08	22.95	24.5	1
10	16QAM	1	25	23.02	23.12	22.92		
10	16QAM	1	49	23.11	23.01	23.06		
10	16QAM	25	0	22.20	22.26	22.17	23.5	2
10	16QAM	25	12	22.16	22.15	22.07		
10	16QAM	25	25	22.07	22.09	22.11		
10	16QAM	50	0	22.07	22.19	22.13		
10	64QAM	1	0	21.99	22.17	22.06	23.5	2
10	64QAM	1	25	22.14	22.12	21.93		
10	64QAM	1	49	22.01	21.99	22.04		
10	64QAM	25	0	21.13	21.24	21.08	22.5	3
10	64QAM	25	12	21.05	21.17	21.04		
10	64QAM	25	25	21.14	21.10	21.11		
10	64QAM	50	0	21.15	21.18	21.17		
10	256QAM	1	0	19.09	19.27	19.07	20.5	5
10	256QAM	1	25	19.17	19.13	19.11		
10	256QAM	1	49	19.14	19.12	19.08		
10	256QAM	25	0	19.05	19.08	19.06	20.5	5
10	256QAM	25	12	19.12	19.06	19.01		
10	256QAM	25	25	19.10	19.14	18.83		
10	256QAM	50	0	19.13	19.10	19.08		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.15	24.22	24.04	25.5	0
5	QPSK	1	12	24.14	24.22	23.96		
5	QPSK	1	24	24.06	24.17	24.03		
5	QPSK	12	0	23.14	23.13	23.13	24.5	1
5	QPSK	12	7	23.13	23.21	23.04		
5	QPSK	12	13	23.10	23.12	23.10		
5	QPSK	25	0	23.14	23.10	23.09		
5	16QAM	1	0	23.12	23.15	22.98	24.5	1
5	16QAM	1	12	23.08	23.02	22.86		
5	16QAM	1	24	23.05	23.00	23.00		
5	16QAM	12	0	22.16	22.22	22.21	23.5	2
5	16QAM	12	7	22.14	22.20	22.04		
5	16QAM	12	13	22.02	22.11	22.08		
5	16QAM	25	0	22.13	22.13	22.16		
5	64QAM	1	0	22.03	22.21	22.07	23.5	2
5	64QAM	1	12	22.18	22.09	21.84		
5	64QAM	1	24	22.09	21.97	22.05		
5	64QAM	12	0	21.07	21.25	21.07	22.5	3
5	64QAM	12	7	21.02	21.22	20.95		
5	64QAM	12	13	21.07	21.02	21.13		
5	64QAM	25	0	21.07	21.22	21.18		
5	256QAM	1	0	19.18	19.26	19.09	20.5	5
5	256QAM	1	12	19.17	19.17	19.01		
5	256QAM	1	24	19.12	19.09	19.05		
5	256QAM	12	0	19.05	19.09	19.11	20.5	5
5	256QAM	12	7	19.10	19.04	19.06		
5	256QAM	12	13	19.10	19.09	18.86		
5	256QAM	25	0	19.07	18.99	18.97		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.14	24.21	24.06	25.5	0
3	QPSK	1	8	24.16	24.15	24.01		
3	QPSK	1	14	24.15	24.09	24.03		
3	QPSK	8	0	23.15	23.15	23.11	24.5	1
3	QPSK	8	4	23.15	23.14	23.02		
3	QPSK	8	7	23.18	23.10	23.05		
3	QPSK	15	0	23.11	23.14	23.10		
3	16QAM	1	0	23.04	23.04	22.98	24.5	1
3	16QAM	1	8	23.12	23.10	22.93		
3	16QAM	1	14	23.12	23.11	23.06		
3	16QAM	8	0	22.14	22.25	22.15	23.5	2
3	16QAM	8	4	22.18	22.20	21.99		
3	16QAM	8	7	22.06	22.02	22.17		
3	16QAM	15	0	22.09	22.16	22.11		
3	64QAM	1	0	22.05	22.19	22.04	23.5	2
3	64QAM	1	8	22.08	22.07	21.83		
3	64QAM	1	14	22.06	22.05	22.02		
3	64QAM	8	0	21.10	21.22	21.07	22.5	3
3	64QAM	8	4	21.06	21.23	21.02		
3	64QAM	8	7	21.06	21.03	21.09		
3	64QAM	15	0	21.08	21.19	21.13		
3	256QAM	1	0	19.19	19.20	19.08	20.5	5
3	256QAM	1	8	19.15	19.19	19.08		
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.09	19.10	19.06	20.5	5
3	256QAM	8	4	19.08	19.09	19.06		
3	256QAM	8	7	19.07	19.12	18.88		
3	256QAM	15	0	19.08	19.09	19.08		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.19	24.22	24.10	25.5	0
1.4	QPSK	1	3	24.15	24.19	23.98		
1.4	QPSK	1	5	24.08	24.10	24.07		
1.4	QPSK	3	0	24.13	24.21	24.09		
1.4	QPSK	3	1	24.06	24.15	24.07		
1.4	QPSK	3	3	24.09	24.09	24.07		
1.4	QPSK	6	0	23.10	23.18	23.14	24.5	1
1.4	16QAM	1	0	23.12	23.14	22.95	24.5	1
1.4	16QAM	1	3	23.16	23.12	23.14		
1.4	16QAM	1	5	23.08	23.18	23.05		
1.4	16QAM	3	0	23.07	23.14	23.02		
1.4	16QAM	3	1	23.07	23.02	22.94		
1.4	16QAM	3	3	23.07	23.01	22.98		
1.4	16QAM	6	0	22.11	22.21	22.14	23.5	2
1.4	64QAM	1	0	22.14	22.15	21.99	23.5	2
1.4	64QAM	1	3	22.09	22.04	22.18		
1.4	64QAM	1	5	22.04	22.10	22.11		
1.4	64QAM	3	0	22.02	22.15	22.06		
1.4	64QAM	3	1	22.15	22.04	21.87		
1.4	64QAM	3	3	22.02	21.96	22.01		
1.4	64QAM	6	0	21.11	21.22	21.06	22.5	3
1.4	256QAM	1	0	19.09	19.20	19.08	20.5	5
1.4	256QAM	1	3	19.10	19.10	19.09		
1.4	256QAM	1	5	19.08	19.14	19.12		
1.4	256QAM	3	0	19.14	19.16	19.06		
1.4	256QAM	3	1	19.02	19.00	19.07		
1.4	256QAM	3	3	19.11	19.20	18.88		
1.4	256QAM	6	0	19.12	19.09	19.07	20.5	5

	GSM1900 Ant2 DSI3							
GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.70	30.00	30.05	31.00	21.70	21.00	21.05	22.00
GPRS 1 Tx slot	30.17	30.08	30.07	31.00	21.17	21.08	21.07	22.00
GPRS 2 Tx slots	26.53	26.65	26.56	28.00	20.53	20.65	20.56	22.00
GPRS 3 Tx slots	25.14	25.21	25.02	26.20	20.88	20.95	20.76	21.94
GPRS 4 Tx slots	23.44	23.46	23.28	25.00	20.44	20.46	20.28	22.00
EDGE 1 Tx slot	25.87	25.62	25.54	26.50	16.87	16.62	16.54	17.50
EDGE 2 Tx slots	23.06	22.97	22.95	23.50	17.06	16.97	16.95	17.50
EDGE 3 Tx slots	21.42	21.22	21.28	21.70	17.16	16.96	17.02	17.44
EDGE 4 Tx slots	19.56	19.36	19.57	20.50	16.56	16.36	16.57	17.50

		WCDMA II Ant2 DSI3				WCDMA IV Ant2 DSI3			
Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.90	22.91	22.95	24.50	22.66	22.54	22.68	24.00
3GPP Rel 99	RMC 12.2Kbps	22.89	22.97	22.80	24.50	22.59	22.78	22.76	24.00
3GPP Rel 6	HSDPA Subtest-1	22.03	22.13	21.98	23.50	21.45	21.59	21.68	23.00
3GPP Rel 6	HSDPA Subtest-2	21.97	21.91	21.87	23.50	21.53	21.54	21.46	23.00
3GPP Rel 6	HSDPA Subtest-3	21.37	21.43	21.49	23.00	21.09	21.12	21.22	22.50
3GPP Rel 6	HSDPA Subtest-4	21.60	21.37	21.44	23.00	21.01	20.94	20.95	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.07	21.92	21.88	23.50	21.36	21.59	21.36	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.81	21.98	21.96	23.50	21.44	21.45	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.46	21.54	21.30	23.00	21.02	21.16	21.07	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.34	21.63	21.54	23.00	21.01	20.99	21.20	22.50
3GPP Rel 6	HSUPA Subtest-1	21.87	22.00	21.82	23.50	21.43	21.63	21.56	23.00
3GPP Rel 6	HSUPA Subtest-2	19.90	20.04	20.02	21.50	19.50	19.86	19.57	21.00
3GPP Rel 6	HSUPA Subtest-3	21.10	21.00	20.74	22.50	20.53	20.65	20.51	22.00
3GPP Rel 6	HSUPA Subtest-4	20.00	19.93	19.98	21.50	19.35	19.70	19.79	21.00
3GPP Rel 6	HSUPA Subtest-5	21.94	21.91	21.92	23.50	21.40	21.69	21.56	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.55	19.48	19.36	21.00	19.12	19.09	19.30	20.50

Band 2 Ant2 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.63	21.87	21.61	23.5	0
20	QPSK	1	49	21.74	21.75	21.63		
20	QPSK	1	99	21.69	21.62	21.76		
20	QPSK	50	0	21.81	21.84	21.78	23.5	0
20	QPSK	50	24	21.71	21.65	21.78		
20	QPSK	50	50	21.77	21.76	21.70		
20	QPSK	100	0	21.71	21.83	21.82		
20	16QAM	1	0	21.76	21.64	21.65	23.5	0
20	16QAM	1	49	21.77	21.64	21.80		
20	16QAM	1	99	21.77	21.68	21.59		
20	16QAM	50	0	21.56	21.60	21.51	23.5	0
20	16QAM	50	24	21.53	21.57	21.66		
20	16QAM	50	50	21.68	21.53	21.63		
20	16QAM	100	0	21.69	21.61	21.65		
20	64QAM	1	0	21.81	21.73	21.85	23.5	0
20	64QAM	1	49	21.75	21.83	21.72		
20	64QAM	1	99	21.55	21.71	21.67		
20	64QAM	50	0	20.86	20.97	20.83	22.5	1
20	64QAM	50	24	20.86	20.86	20.90		
20	64QAM	50	50	20.81	20.85	20.84		
20	64QAM	100	0	20.88	20.91	20.84		
20	256QAM	1	0	18.86	19.03	18.84	20.5	3
20	256QAM	1	49	18.85	18.88	18.92		
20	256QAM	1	99	18.84	18.81	18.89		
20	256QAM	50	0	18.89	19.01	18.86	20.5	3
20	256QAM	50	24	18.88	18.90	18.91		
20	256QAM	50	50	18.89	18.91	18.91		
20	256QAM	100	0	18.86	18.98	18.82		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.63	21.85	21.68	23.5	0
15	QPSK	1	37	21.79	21.71	21.68		
15	QPSK	1	74	21.64	21.73	21.65		
15	QPSK	36	0	21.73	21.82	21.75	23.5	0
15	QPSK	36	20	21.83	21.78	21.83		
15	QPSK	36	39	21.86	21.78	21.80		
15	QPSK	75	0	21.77	21.70	21.66		
15	16QAM	1	0	21.82	21.64	21.66	23.5	0
15	16QAM	1	37	21.68	21.62	21.75		
15	16QAM	1	74	21.80	21.74	21.82		
15	16QAM	36	0	21.71	21.58	21.59	23.5	0
15	16QAM	36	20	21.50	21.55	21.52		
15	16QAM	36	39	21.55	21.51	21.56		
15	16QAM	75	0	21.63	21.60	21.58		
15	64QAM	1	0	21.86	21.79	21.85	23.5	0
15	64QAM	1	37	21.77	21.72	21.68		
15	64QAM	1	74	21.55	21.70	21.61		
15	64QAM	36	0	20.82	21.04	20.84	22.5	1
15	64QAM	36	20	20.82	20.91	20.86		
15	64QAM	36	39	20.87	20.90	20.86		
15	64QAM	75	0	20.87	20.87	20.90		
15	256QAM	1	0	18.89	19.06	18.82	20.5	3
15	256QAM	1	37	18.81	18.94	18.90		
15	256QAM	1	74	18.88	18.84	18.87		
15	256QAM	36	0	18.89	19.02	18.83	20.5	3
15	256QAM	36	20	18.94	18.93	18.92		
15	256QAM	36	39	18.83	18.88	18.88		
15	256QAM	75	0	18.87	18.97	18.80		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.66	21.71	21.65	23.5	0
10	QPSK	1	25	21.63	21.64	21.75		
10	QPSK	1	49	21.60	21.61	21.70		
10	QPSK	25	0	21.77	21.72	21.61	23.5	0
10	QPSK	25	12	21.74	21.59	21.78		
10	QPSK	25	25	21.65	21.76	21.67		
10	QPSK	50	0	21.79	21.68	21.79		
10	16QAM	1	0	21.64	21.69	21.84	23.5	0
10	16QAM	1	25	21.60	21.81	21.82		
10	16QAM	1	49	21.74	21.69	21.60		
10	16QAM	25	0	21.72	21.70	21.58	23.5	0
10	16QAM	25	12	21.71	21.60	21.81		
10	16QAM	25	25	21.70	21.76	21.61		
10	16QAM	50	0	21.55	21.58	21.66		
10	64QAM	1	0	21.80	21.78	21.82	23.5	0
10	64QAM	1	25	21.68	21.66	21.80		
10	64QAM	1	49	21.53	21.56	21.62		
10	64QAM	25	0	20.89	20.88	20.68	22.5	1
10	64QAM	25	12	20.78	20.77	20.94		
10	64QAM	25	25	20.72	20.83	20.62		
10	64QAM	50	0	20.73	20.81	20.76		
10	256QAM	1	0	18.86	18.84	18.66	20.5	3
10	256QAM	1	25	18.71	18.74	18.75		
10	256QAM	1	49	18.72	18.62	18.82		
10	256QAM	25	0	18.89	19.01	18.71	20.5	3
10	256QAM	25	12	18.71	18.89	18.88		
10	256QAM	25	25	18.93	18.82	18.77		
10	256QAM	50	0	18.77	18.95	18.77		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.85	21.61	21.84	23.5	0
5	QPSK	1	12	21.70	21.82	21.81		
5	QPSK	1	24	21.70	21.73	21.58		
5	QPSK	12	0	21.78	21.78	21.81	23.5	0
5	QPSK	12	7	21.77	21.78	21.74		
5	QPSK	12	13	21.67	21.69	21.59		
5	QPSK	25	0	21.85	21.85	21.64		
5	16QAM	1	0	21.60	21.86	21.67	23.5	0
5	16QAM	1	12	21.73	21.75	21.82		
5	16QAM	1	24	21.61	21.79	21.75		
5	16QAM	12	0	21.51	21.73	21.58	23.5	0
5	16QAM	12	7	21.58	21.60	21.57		
5	16QAM	12	13	21.66	21.72	21.61		
5	16QAM	25	0	21.51	21.55	21.66		
5	64QAM	1	0	21.75	21.82	21.83	23.5	0
5	64QAM	1	12	21.65	21.84	21.71		
5	64QAM	1	24	21.55	21.54	21.51		
5	64QAM	12	0	20.91	20.86	20.68	22.5	1
5	64QAM	12	7	20.87	20.61	20.83		
5	64QAM	12	13	20.72	20.89	20.80		
5	64QAM	25	0	20.78	20.94	20.76		
5	256QAM	1	0	18.88	18.98	18.76	20.5	3
5	256QAM	1	12	18.73	18.85	18.87		
5	256QAM	1	24	18.83	18.86	18.77		
5	256QAM	12	0	18.72	18.78	18.73	20.5	3
5	256QAM	12	7	18.92	18.72	18.71		
5	256QAM	12	13	18.69	18.68	18.67		
5	256QAM	25	0	18.83	18.96	18.81		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.64	21.69	21.61	23.5	0
3	QPSK	1	8	21.67	21.65	21.65		
3	QPSK	1	14	21.73	21.77	21.71		
3	QPSK	8	0	21.80	21.79	21.69	23.5	0
3	QPSK	8	4	21.85	21.77	21.70		
3	QPSK	8	7	21.81	21.72	21.77		
3	QPSK	15	0	21.69	21.77	21.82		
3	16QAM	1	0	21.71	21.66	21.73	23.5	0
3	16QAM	1	8	21.76	21.70	21.64		
3	16QAM	1	14	21.82	21.83	21.70		
3	16QAM	8	0	21.58	21.74	21.62	23.5	0
3	16QAM	8	4	21.55	21.54	21.67		
3	16QAM	8	7	21.69	21.59	21.73		
3	16QAM	15	0	21.81	21.85	21.79		
3	64QAM	1	0	21.74	21.65	21.77	23.5	0
3	64QAM	1	8	21.82	21.71	21.80		
3	64QAM	1	14	21.52	21.55	21.54		
3	64QAM	8	0	20.85	20.79	20.68	22.5	1
3	64QAM	8	4	20.89	20.84	20.83		
3	64QAM	8	7	20.57	20.65	20.74		
3	64QAM	15	0	20.88	20.76	20.83		
3	256QAM	1	0	18.62	18.98	18.87	20.5	3
3	256QAM	1	8	18.75	18.66	18.78		
3	256QAM	1	14	18.70	18.81	18.84		
3	256QAM	8	0	18.77	18.97	18.80	20.5	3
3	256QAM	8	4	18.71	18.78	18.72		
3	256QAM	8	7	18.84	18.87	18.94		
3	256QAM	15	0	18.71	18.84	18.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.71	21.75	21.73	23.5	0
1.4	QPSK	1	3	21.81	21.69	21.75		
1.4	QPSK	1	5	21.73	21.81	21.80		
1.4	QPSK	3	0	21.64	21.77	21.80		
1.4	QPSK	3	1	21.66	21.58	21.79		
1.4	QPSK	3	3	21.80	21.84	21.65		
1.4	QPSK	6	0	21.84	21.81	21.78	23.5	0
1.4	16QAM	1	0	21.64	21.69	21.66	23.5	0
1.4	16QAM	1	3	21.82	21.63	21.86		
1.4	16QAM	1	5	21.78	21.85	21.68		
1.4	16QAM	3	0	21.67	21.68	21.64		
1.4	16QAM	3	1	21.64	21.80	21.83		
1.4	16QAM	3	3	21.79	21.72	21.67		
1.4	16QAM	6	0	21.72	21.55	21.62	23.5	0
1.4	64QAM	1	0	21.85	21.71	21.80	23.5	0
1.4	64QAM	1	3	21.85	21.80	21.62		
1.4	64QAM	1	5	21.69	21.57	21.65		
1.4	64QAM	3	0	21.77	21.71	21.85		
1.4	64QAM	3	1	21.81	21.78	21.79		
1.4	64QAM	3	3	21.67	21.54	21.56		
1.4	64QAM	6	0	20.57	20.65	20.74	22.5	1
1.4	256QAM	1	0	18.77	18.79	18.72	20.5	3
1.4	256QAM	1	3	18.59	18.50	18.75		
1.4	256QAM	1	5	18.62	18.80	18.62		
1.4	256QAM	3	0	18.70	18.81	18.66		
1.4	256QAM	3	1	18.61	18.63	18.61		
1.4	256QAM	3	3	18.63	18.72	18.79		
1.4	256QAM	6	0	18.65	18.78	18.73	20.5	3

Band 4 Ant2 DSI3 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.26	23.32	23.20	24.5	0
20	QPSK	1	49	22.98	23.07	23.09		
20	QPSK	1	99	23.03	23.12	22.94		
20	QPSK	50	0	23.06	23.11	23.01	24.5	0
20	QPSK	50	24	22.96	23.05	22.95		
20	QPSK	50	50	22.89	23.00	22.87		
20	QPSK	100	0	22.92	23.00	22.92		
20	16QAM	1	0	23.20	23.27	23.20	24.5	0
20	16QAM	1	49	23.11	23.26	23.22		
20	16QAM	1	99	23.09	23.22	23.19		
20	16QAM	50	0	21.93	21.97	21.89	23.5	1
20	16QAM	50	24	21.77	21.89	21.80		
20	16QAM	50	50	21.86	21.93	21.88		
20	16QAM	100	0	21.78	21.90	21.84		
20	64QAM	1	0	22.08	22.14	22.00	23.5	1
20	64QAM	1	49	21.98	22.08	22.03		
20	64QAM	1	99	21.97	22.04	21.94		
20	64QAM	50	0	20.95	21.02	20.89	22.5	2
20	64QAM	50	24	20.82	20.93	20.88		
20	64QAM	50	50	20.88	20.98	20.86		
20	64QAM	100	0	21.02	21.06	20.96		
20	256QAM	1	0	19.00	19.06	19.03	20.5	4
20	256QAM	1	49	18.94	19.03	18.99		
20	256QAM	1	99	18.87	18.98	18.89		
20	256QAM	50	0	18.89	19.02	18.90	20.5	4
20	256QAM	50	24	18.80	18.92	18.86		
20	256QAM	50	50	18.86	18.98	18.85		
20	256QAM	100	0	18.87	18.95	18.85		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.26	23.19	23.25	24.5	0
15	QPSK	1	37	22.99	23.07	23.17		
15	QPSK	1	74	23.08	23.14	23.05		
15	QPSK	36	0	22.92	23.08	22.87	24.5	0
15	QPSK	36	20	22.88	22.94	22.88		
15	QPSK	36	39	22.76	22.94	22.76		
15	QPSK	75	0	22.79	22.86	22.87		
15	16QAM	1	0	23.04	23.26	23.11	24.5	0
15	16QAM	1	37	23.05	23.15	23.16		
15	16QAM	1	74	23.04	23.16	23.09		
15	16QAM	36	0	21.81	21.87	21.78	23.5	1
15	16QAM	36	20	21.69	21.85	21.66		
15	16QAM	36	39	21.82	21.87	21.74		
15	16QAM	75	0	21.67	21.81	21.80		
15	64QAM	1	0	21.94	22.09	21.90	23.5	1
15	64QAM	1	37	21.90	22.02	21.94		
15	64QAM	1	74	21.85	22.01	21.84		
15	64QAM	36	0	20.88	20.88	20.81	22.5	2
15	64QAM	36	20	20.77	20.80	20.77		
15	64QAM	36	39	20.80	20.91	20.77		
15	64QAM	75	0	20.96	20.93	20.92		
15	256QAM	1	0	18.93	18.99	18.89	20.5	4
15	256QAM	1	37	18.89	19.00	18.88		
15	256QAM	1	74	18.75	18.87	18.78		
15	256QAM	36	0	18.79	18.98	18.76	20.5	4
15	256QAM	36	20	18.65	18.77	18.75		
15	256QAM	36	39	18.75	18.84	18.78		
15	256QAM	75	0	18.78	18.83	18.77		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.13	23.25	23.30	24.5	0
10	QPSK	1	25	23.13	23.07	23.00		
10	QPSK	1	49	22.99	23.17	23.11		
10	QPSK	25	0	22.93	23.03	22.95	24.5	0
10	QPSK	25	12	22.84	22.96	22.89		
10	QPSK	25	25	22.83	22.90	22.73		
10	QPSK	50	0	22.81	22.93	22.81		
10	16QAM	1	0	23.12	23.22	23.21	24.5	0
10	16QAM	1	25	22.96	23.11	23.13		
10	16QAM	1	49	23.06	23.08	23.08		
10	16QAM	25	0	21.84	21.84	21.79	23.5	1
10	16QAM	25	12	21.66	21.75	21.72		
10	16QAM	25	25	21.81	21.84	21.80		
10	16QAM	50	0	21.70	21.82	21.81		
10	64QAM	1	0	21.96	22.09	21.90	23.5	1
10	64QAM	1	25	21.93	22.00	21.91		
10	64QAM	1	49	21.88	21.91	21.88		
10	64QAM	25	0	20.81	20.96	20.85	22.5	2
10	64QAM	25	12	20.67	20.86	20.84		
10	64QAM	25	25	20.78	20.92	20.79		
10	64QAM	50	0	20.96	20.98	20.88		
10	256QAM	1	0	18.93	18.95	18.99	20.5	4
10	256QAM	1	25	18.85	18.92	18.88		
10	256QAM	1	49	18.81	18.83	18.79		
10	256QAM	25	0	18.84	18.97	18.76	20.5	4
10	256QAM	25	12	18.77	18.84	18.81		
10	256QAM	25	25	18.71	18.85	18.80		
10	256QAM	50	0	18.73	18.82	18.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.14	23.29	23.31	24.5	0
5	QPSK	1	12	23.01	23.19	23.17		
5	QPSK	1	24	23.01	23.10	22.96		
5	QPSK	12	0	22.92	23.06	22.96	24.5	0
5	QPSK	12	7	22.84	22.97	22.84		
5	QPSK	12	13	22.85	22.91	22.75		
5	QPSK	25	0	22.77	22.87	22.89		
5	16QAM	1	0	23.06	23.27	23.11	24.5	0
5	16QAM	1	12	23.01	23.16	23.09		
5	16QAM	1	24	23.00	23.17	23.05		
5	16QAM	12	0	21.83	21.85	21.85	23.5	1
5	16QAM	12	7	21.71	21.81	21.69		
5	16QAM	12	13	21.72	21.84	21.78		
5	16QAM	25	0	21.72	21.80	21.79		
5	64QAM	1	0	22.02	22.01	21.87	23.5	1
5	64QAM	1	12	21.87	21.94	21.94		
5	64QAM	1	24	21.86	21.89	21.90		
5	64QAM	12	0	20.81	20.98	20.85	22.5	2
5	64QAM	12	7	20.76	20.86	20.83		
5	64QAM	12	13	20.79	20.87	20.78		
5	64QAM	25	0	20.97	20.97	20.87		
5	256QAM	1	0	18.92	18.99	18.90	20.5	4
5	256QAM	1	12	18.84	18.95	18.92		
5	256QAM	1	24	18.73	18.85	18.78		
5	256QAM	12	0	18.86	18.92	18.81	20.5	4
5	256QAM	12	7	18.69	18.80	18.76		
5	256QAM	12	13	18.82	18.90	18.77		
5	256QAM	25	0	18.77	18.85	18.80		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.10	23.22	23.07	24.5	0
3	QPSK	1	8	23.07	23.16	23.15		
3	QPSK	1	14	23.09	23.10	23.09		
3	QPSK	8	0	22.95	23.00	22.96	24.5	0
3	QPSK	8	4	22.93	22.93	22.89		
3	QPSK	8	7	22.84	22.92	22.73		
3	QPSK	15	0	22.77	22.88	22.83		
3	16QAM	1	0	23.09	23.28	23.23	24.5	0
3	16QAM	1	8	23.05	23.14	23.15		
3	16QAM	1	14	23.05	23.08	23.06		
3	16QAM	8	0	21.87	21.84	21.76	23.5	1
3	16QAM	8	4	21.66	21.83	21.72		
3	16QAM	8	7	21.78	21.81	21.74		
3	16QAM	15	0	21.71	21.82	21.78		
3	64QAM	1	0	22.03	22.04	21.93	23.5	1
3	64QAM	1	8	21.86	22.00	21.93		
3	64QAM	1	14	21.87	21.93	21.85		
3	64QAM	8	0	20.81	20.90	20.80	22.5	2
3	64QAM	8	4	20.68	20.80	20.82		
3	64QAM	8	7	20.82	20.87	20.78		
3	64QAM	15	0	20.96	20.95	20.90		
3	256QAM	1	0	18.94	19.01	18.93	20.5	4
3	256QAM	1	8	18.82	18.97	18.95		
3	256QAM	1	14	18.82	18.88	18.75		
3	256QAM	8	0	18.84	18.91	18.77	20.5	4
3	256QAM	8	4	18.72	18.86	18.75		
3	256QAM	8	7	18.79	18.92	18.78		
3	256QAM	15	0	18.81	18.92	18.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.18	23.21	23.20	24.5	0
1.4	QPSK	1	3	23.06	23.17	23.04		
1.4	QPSK	1	5	22.87	23.17	22.96		
1.4	QPSK	3	0	23.17	23.15	23.12		
1.4	QPSK	3	1	23.12	23.09	23.23		
1.4	QPSK	3	3	22.92	23.11	23.00		
1.4	QPSK	6	0	22.93	23.01	22.93	24.5	0
1.4	16QAM	1	0	22.85	22.93	22.82	24.5	0
1.4	16QAM	1	3	22.85	22.96	22.76		
1.4	16QAM	1	5	22.88	22.86	22.84		
1.4	16QAM	3	0	23.04	23.27	23.23		
1.4	16QAM	3	1	22.97	23.14	23.08		
1.4	16QAM	3	3	23.00	23.10	23.10		
1.4	16QAM	6	0	21.85	21.87	21.86	23.5	1
1.4	64QAM	1	0	21.69	21.75	21.65	23.5	1
1.4	64QAM	1	3	21.72	21.90	21.79		
1.4	64QAM	1	5	21.65	21.80	21.71		
1.4	64QAM	3	0	21.98	22.11	21.92		
1.4	64QAM	3	1	21.95	22.04	21.95		
1.4	64QAM	3	3	21.93	22.00	21.83		
1.4	64QAM	6	0	20.89	20.97	20.74	22.5	2
1.4	256QAM	1	0	18.85	19.01	18.90	20.5	4
1.4	256QAM	1	3	18.84	18.95	18.87		
1.4	256QAM	1	5	18.83	18.90	18.78		
1.4	256QAM	3	0	18.83	18.88	18.81		
1.4	256QAM	3	1	18.72	18.86	18.73		
1.4	256QAM	3	3	18.78	18.94	18.75		
1.4	256QAM	6	0	18.77	18.91	18.76	20.5	4

Band 7 Ant2 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.56	20.58	20.47	21.5	0
20	QPSK	1	49	20.21	20.35	20.35		
20	QPSK	1	99	20.22	20.29	20.13		
20	QPSK	50	0	20.14	20.40	20.22	21.5	0
20	QPSK	50	24	20.21	20.25	20.00		
20	QPSK	50	50	20.16	20.22	20.01		
20	QPSK	100	0	19.98	20.22	20.02		
20	16QAM	1	0	20.26	20.44	20.46	21.5	0
20	16QAM	1	49	20.27	20.43	20.40		
20	16QAM	1	99	20.40	20.40	20.41		
20	16QAM	50	0	20.01	20.21	20.07	21.5	0
20	16QAM	50	24	20.02	19.93	19.93		
20	16QAM	50	50	19.98	19.94	19.99		
20	16QAM	100	0	20.02	19.98	20.06		
20	64QAM	1	0	20.23	20.45	20.04	21.5	0
20	64QAM	1	49	20.10	20.33	20.35		
20	64QAM	1	99	20.20	20.09	20.06		
20	64QAM	50	0	20.14	20.14	20.20	21.5	0
20	64QAM	50	24	20.14	20.13	20.00		
20	64QAM	50	50	20.07	20.31	20.06		
20	64QAM	100	0	20.20	20.16	20.18		
20	256QAM	1	0	19.24	19.28	19.26	20.5	1
20	256QAM	1	49	19.17	19.28	19.20		
20	256QAM	1	99	19.02	19.19	19.09		
20	256QAM	50	0	19.14	19.19	19.12	20.5	1
20	256QAM	50	24	19.05	19.07	19.03		
20	256QAM	50	50	19.03	19.18	19.08		
20	256QAM	100	0	19.03	19.20	19.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.29	20.43	20.39	21.5	0
15	QPSK	1	37	20.21	20.32	20.28		
15	QPSK	1	74	20.23	20.44	20.10		
15	QPSK	36	0	20.16	20.24	20.15	21.5	0
15	QPSK	36	20	20.17	20.07	20.05		
15	QPSK	36	39	19.95	20.15	19.97		
15	QPSK	75	0	19.98	20.10	20.04		
15	16QAM	1	0	20.23	20.55	20.49	21.5	0
15	16QAM	1	37	20.32	20.44	20.28		
15	16QAM	1	74	20.15	20.41	20.20		
15	16QAM	36	0	20.08	20.09	19.95	21.5	0
15	16QAM	36	20	20.00	19.98	19.96		
15	16QAM	36	39	20.08	19.87	19.95		
15	16QAM	75	0	19.79	19.95	20.10		
15	64QAM	1	0	20.12	20.33	19.98	21.5	0
15	64QAM	1	37	20.23	20.36	20.20		
15	64QAM	1	74	20.11	20.10	20.10		
15	64QAM	36	0	20.10	20.12	20.12	21.5	0
15	64QAM	36	20	20.02	20.17	19.86		
15	64QAM	36	39	20.09	20.18	20.03		
15	64QAM	75	0	20.07	20.06	20.07		
15	256QAM	1	0	19.14	19.14	19.17	20.5	1
15	256QAM	1	37	19.05	19.15	19.09		
15	256QAM	1	74	18.96	19.09	19.03		
15	256QAM	36	0	19.02	19.14	19.01	20.5	1
15	256QAM	36	20	18.94	18.98	18.99		
15	256QAM	36	39	18.97	19.15	19.05		
15	256QAM	75	0	18.94	19.13	18.98		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.47	20.51	20.25	21.5	0
10	QPSK	1	25	20.13	20.26	20.19		
10	QPSK	1	49	20.10	20.22	20.09		
10	QPSK	25	0	20.09	20.29	20.13	21.5	0
10	QPSK	25	12	20.11	20.02	20.12		
10	QPSK	25	25	19.95	20.25	19.98		
10	QPSK	50	0	20.09	20.11	19.89		
10	16QAM	1	0	20.34	20.50	20.47	21.5	0
10	16QAM	1	25	20.28	20.40	20.16		
10	16QAM	1	49	20.12	20.45	20.19		
10	16QAM	25	0	19.99	19.95	20.05	21.5	0
10	16QAM	25	12	19.80	19.92	19.89		
10	16QAM	25	25	20.00	19.91	19.99		
10	16QAM	50	0	19.91	20.01	20.08		
10	64QAM	1	0	20.23	20.30	20.13	21.5	0
10	64QAM	1	25	20.08	20.30	20.23		
10	64QAM	1	49	20.12	20.21	20.08		
10	64QAM	25	0	20.05	20.12	19.96	21.5	0
10	64QAM	25	12	20.02	20.07	19.96		
10	64QAM	25	25	19.91	20.12	20.00		
10	64QAM	50	0	20.04	20.15	20.17		
10	256QAM	1	0	19.19	19.20	19.22	20.5	1
10	256QAM	1	25	19.13	19.23	19.12		
10	256QAM	1	49	18.92	19.13	18.95		
10	256QAM	25	0	19.07	19.08	19.07	20.5	1
10	256QAM	25	12	18.96	18.97	18.93		
10	256QAM	25	25	18.90	19.15	19.00		
10	256QAM	50	0	18.95	19.17	19.03		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.46	20.41	20.39	21.5	0
5	QPSK	1	12	20.13	20.23	20.35		
5	QPSK	1	24	20.23	20.31	20.08		
5	QPSK	12	0	20.20	20.35	20.19	21.5	0
5	QPSK	12	7	20.17	20.07	20.10		
5	QPSK	12	13	20.11	20.09	19.94		
5	QPSK	25	0	20.09	20.27	20.03		
5	16QAM	1	0	20.33	20.40	20.39	21.5	0
5	16QAM	1	12	20.33	20.25	20.17		
5	16QAM	1	24	20.31	20.39	20.22		
5	16QAM	12	0	19.99	19.96	19.94	21.5	0
5	16QAM	12	7	20.00	20.03	19.78		
5	16QAM	12	13	19.96	19.95	19.87		
5	16QAM	25	0	19.91	19.99	20.06		
5	64QAM	1	0	20.23	20.30	20.16	21.5	0
5	64QAM	1	12	20.22	20.18	20.21		
5	64QAM	1	24	20.02	19.99	20.11		
5	64QAM	12	0	20.10	20.03	20.07	21.5	0
5	64QAM	12	7	19.92	19.98	20.01		
5	64QAM	12	13	20.10	20.08	19.95		
5	64QAM	25	0	20.10	20.22	19.97		
5	256QAM	1	0	19.20	19.24	19.12	20.5	1
5	256QAM	1	12	19.09	19.22	19.08		
5	256QAM	1	24	18.99	19.09	19.01		
5	256QAM	12	0	19.09	19.15	19.07	20.5	1
5	256QAM	12	7	18.97	19.01	18.92		
5	256QAM	12	13	18.94	19.10	18.96		
5	256QAM	25	0	18.96	19.10	18.99		

Band 66 Ant2 DSI3 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.43	23.47	23.29	24.5	0
20	QPSK	1	49	23.27	23.45	23.39		
20	QPSK	1	99	23.23	23.26	23.25		
20	QPSK	50	0	23.16	23.22	23.06	24.5	0
20	QPSK	50	24	23.08	23.06	23.06		
20	QPSK	50	50	23.00	23.09	22.90		
20	QPSK	100	0	23.00	23.12	22.93		
20	16QAM	1	0	23.23	23.41	23.34	24.5	0
20	16QAM	1	49	23.23	23.29	23.28		
20	16QAM	1	99	23.18	23.33	23.30		
20	16QAM	50	0	21.99	21.97	21.96	23.5	1
20	16QAM	50	24	21.79	21.94	21.92		
20	16QAM	50	50	21.88	21.99	21.89		
20	16QAM	100	0	21.87	21.96	21.85		
20	64QAM	1	0	22.13	22.26	22.11	23.5	1
20	64QAM	1	49	22.01	22.15	22.08		
20	64QAM	1	99	22.00	22.15	22.01		
20	64QAM	50	0	20.96	21.08	21.01	22.5	2
20	64QAM	50	24	20.84	20.95	20.95		
20	64QAM	50	50	20.92	21.01	20.92		
20	64QAM	100	0	21.09	21.12	21.00		
20	256QAM	1	0	19.07	19.10	19.06	20.5	4
20	256QAM	1	49	18.97	19.04	19.08		
20	256QAM	1	99	18.98	19.07	18.97		
20	256QAM	50	0	18.94	19.09	18.93	20.5	4
20	256QAM	50	24	18.91	19.03	18.97		
20	256QAM	50	50	18.95	19.00	18.93		
20	256QAM	100	0	18.97	18.95	18.94		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.11	23.25	23.06	24.5	0
15	QPSK	1	37	22.98	23.08	23.15		
15	QPSK	1	74	22.87	23.00	22.79		
15	QPSK	36	0	23.12	23.14	22.93	24.5	0
15	QPSK	36	20	23.01	22.99	23.00		
15	QPSK	36	39	22.93	22.97	22.83		
15	QPSK	75	0	22.88	23.00	22.79		
15	16QAM	1	0	23.11	23.28	23.24	24.5	0
15	16QAM	1	37	23.14	23.16	23.23		
15	16QAM	1	74	23.07	23.28	23.23		
15	16QAM	36	0	21.89	21.88	21.82	23.5	1
15	16QAM	36	20	21.72	21.80	21.87		
15	16QAM	36	39	21.75	21.96	21.75		
15	16QAM	75	0	21.73	21.86	21.82		
15	64QAM	1	0	22.08	22.18	21.96	23.5	1
15	64QAM	1	37	21.97	22.06	21.96		
15	64QAM	1	74	21.93	22.05	21.95		
15	64QAM	36	0	20.89	20.94	20.90	22.5	2
15	64QAM	36	20	20.71	20.80	20.81		
15	64QAM	36	39	20.85	20.92	20.79		
15	64QAM	75	0	21.05	20.99	20.86		
15	256QAM	1	0	19.03	19.01	19.00	20.5	4
15	256QAM	1	37	18.86	18.95	19.05		
15	256QAM	1	74	18.85	18.99	18.86		
15	256QAM	36	0	18.82	18.99	18.84	20.5	4
15	256QAM	36	20	18.76	18.94	18.82		
15	256QAM	36	39	18.90	18.88	18.83		
15	256QAM	75	0	18.93	18.89	18.84		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.09	23.29	23.15	24.5	0
10	QPSK	1	25	22.95	23.04	23.06		
10	QPSK	1	49	23.02	23.15	22.87		
10	QPSK	25	0	23.05	23.10	22.94	24.5	0
10	QPSK	25	12	22.94	22.95	22.98		
10	QPSK	25	25	22.92	22.99	22.76		
10	QPSK	50	0	22.91	23.02	22.89		
10	16QAM	1	0	23.19	23.32	23.31	24.5	0
10	16QAM	1	25	23.19	23.25	23.25		
10	16QAM	1	49	23.03	23.26	23.25		
10	16QAM	25	0	21.88	21.92	21.90	23.5	1
10	16QAM	25	12	21.65	21.88	21.85		
10	16QAM	25	25	21.82	21.89	21.74		
10	16QAM	50	0	21.82	21.91	21.76		
10	64QAM	1	0	22.01	22.17	22.06	23.5	1
10	64QAM	1	25	21.96	22.03	21.95		
10	64QAM	1	49	21.86	22.11	21.97		
10	64QAM	25	0	20.91	20.94	20.89	22.5	2
10	64QAM	25	12	20.70	20.88	20.89		
10	64QAM	25	25	20.82	20.86	20.83		
10	64QAM	50	0	20.96	21.03	20.93		
10	256QAM	1	0	18.98	19.00	18.95	20.5	4
10	256QAM	1	25	18.92	18.97	19.03		
10	256QAM	1	49	18.93	18.92	18.93		
10	256QAM	25	0	18.87	19.02	18.82	20.5	4
10	256QAM	25	12	18.77	18.93	18.91		
10	256QAM	25	25	18.86	18.91	18.88		
10	256QAM	50	0	18.88	18.84	18.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.31	23.38	23.10	24.5	0
5	QPSK	1	12	22.94	23.01	23.10		
5	QPSK	1	24	22.95	22.97	22.97		
5	QPSK	12	0	23.09	23.18	22.95	24.5	0
5	QPSK	12	7	22.95	22.95	22.96		
5	QPSK	12	13	22.87	23.05	22.81		
5	QPSK	25	0	22.90	22.97	22.88		
5	16QAM	1	0	23.19	23.34	23.28	24.5	0
5	16QAM	1	12	23.09	23.19	23.21		
5	16QAM	1	24	23.04	23.23	23.17		
5	16QAM	12	0	21.89	21.92	21.90	23.5	1
5	16QAM	12	7	21.70	21.89	21.85		
5	16QAM	12	13	21.84	21.96	21.84		
5	16QAM	25	0	21.74	21.91	21.81		
5	64QAM	1	0	22.06	22.18	21.99	23.5	1
5	64QAM	1	12	21.94	22.10	22.00		
5	64QAM	1	24	21.89	22.02	21.93		
5	64QAM	12	0	20.86	20.98	20.93	22.5	2
5	64QAM	12	7	20.70	20.91	20.92		
5	64QAM	12	13	20.83	20.92	20.84		
5	64QAM	25	0	20.95	20.99	20.91		
5	256QAM	1	0	19.01	19.01	19.03	20.5	4
5	256QAM	1	12	18.83	18.98	18.94		
5	256QAM	1	24	18.88	19.03	18.88		
5	256QAM	12	0	18.80	18.95	18.82	20.5	4
5	256QAM	12	7	18.80	18.92	18.93		
5	256QAM	12	13	18.85	18.88	18.86		
5	256QAM	25	0	18.84	18.84	18.79		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	23.14	23.16	23.03	24.5	0
3	QPSK	1	8	22.87	23.00	23.03		
3	QPSK	1	14	22.97	23.00	22.99		
3	QPSK	8	0	23.04	23.18	23.02	24.5	0
3	QPSK	8	4	22.97	22.96	22.99		
3	QPSK	8	7	22.86	23.02	22.79		
3	QPSK	15	0	22.95	23.06	22.84		
3	16QAM	1	0	23.12	23.28	23.26	24.5	0
3	16QAM	1	8	23.14	23.21	23.23		
3	16QAM	1	14	23.11	23.24	23.26		
3	16QAM	8	0	21.93	21.88	21.83	23.5	1
3	16QAM	8	4	21.66	21.86	21.84		
3	16QAM	8	7	21.79	21.95	21.77		
3	16QAM	15	0	21.82	21.91	21.71		
3	64QAM	1	0	22.10	22.13	22.01	23.5	1
3	64QAM	1	8	21.89	22.01	21.95		
3	64QAM	1	14	21.94	22.07	21.86		
3	64QAM	8	0	20.92	21.05	20.87	22.5	2
3	64QAM	8	4	20.78	20.89	20.86		
3	64QAM	8	7	20.86	20.97	20.85		
3	64QAM	15	0	21.02	21.04	20.88		
3	256QAM	1	0	18.99	19.05	18.98	20.5	4
3	256QAM	1	8	18.91	18.94	18.97		
3	256QAM	1	14	18.93	18.96	18.85		
3	256QAM	8	0	18.83	19.01	18.89	20.5	4
3	256QAM	8	4	18.77	18.90	18.83		
3	256QAM	8	7	18.85	18.97	18.86		
3	256QAM	15	0	18.93	18.84	18.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	23.23	23.17	23.18	24.5	0
1.4	QPSK	1	3	22.84	22.91	22.92		
1.4	QPSK	1	5	22.90	23.10	22.91		
1.4	QPSK	3	0	23.10	23.30	23.05		
1.4	QPSK	3	1	22.83	23.09	22.96		
1.4	QPSK	3	3	23.00	23.01	22.83		
1.4	QPSK	6	0	23.04	23.11	23.01	24.5	0
1.4	16QAM	1	0	23.02	22.92	22.95	24.5	0
1.4	16QAM	1	3	22.86	22.95	22.85		
1.4	16QAM	1	5	22.92	23.00	22.82		
1.4	16QAM	3	0	23.09	23.33	23.20		
1.4	16QAM	3	1	23.18	23.20	23.14		
1.4	16QAM	3	3	23.05	23.20	23.22		
1.4	16QAM	6	0	21.91	21.83	21.84	23.5	1
1.4	64QAM	1	0	21.67	21.80	21.78	23.5	1
1.4	64QAM	1	3	21.79	21.89	21.86		
1.4	64QAM	1	5	21.77	21.86	21.80		
1.4	64QAM	3	0	22.05	22.19	22.07		
1.4	64QAM	3	1	21.91	22.10	22.01		
1.4	64QAM	3	3	21.88	22.11	21.94		
1.4	64QAM	6	0	21.32	21.35	21.29	22.5	2
1.4	256QAM	1	0	19.39	19.43	19.41	20.5	4
1.4	256QAM	1	3	19.32	19.43	19.35		
1.4	256QAM	1	5	19.17	19.34	19.24		
1.4	256QAM	3	0	19.29	19.34	19.27		
1.4	256QAM	3	1	19.20	19.22	19.18		
1.4	256QAM	3	3	19.18	19.33	19.23		
1.4	256QAM	6	0	19.18	19.35	19.26	20.5	4

Band 38 Ant2 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.03	22.23	22.15	23.5	0
20	QPSK	1	49	22.12	22.22	22.16		
20	QPSK	1	99	22.00	22.05	22.04		
20	QPSK	50	0	21.98	22.19	21.94	23.5	0
20	QPSK	50	24	21.82	21.97	21.98		
20	QPSK	50	50	21.98	21.93	21.87		
20	QPSK	100	0	21.90	22.05	21.83		
20	16QAM	1	0	22.07	21.89	21.90	23.5	0
20	16QAM	1	49	22.03	21.87	21.94		
20	16QAM	1	99	21.84	21.95	21.94		
20	16QAM	50	0	22.07	22.10	21.98	23.5	0
20	16QAM	50	24	21.96	22.02	22.05		
20	16QAM	50	50	22.08	22.01	21.94		
20	16QAM	100	0	22.05	22.03	21.97		
20	64QAM	1	0	22.05	21.96	22.04	23.5	0
20	64QAM	1	49	22.00	21.93	22.05		
20	64QAM	1	99	22.08	22.02	21.99		
20	64QAM	50	0	21.04	21.13	21.03	22.5	1
20	64QAM	50	24	20.98	21.06	21.04		
20	64QAM	50	50	20.95	20.99	21.01		
20	64QAM	100	0	21.05	21.01	21.05		
20	256QAM	1	0	19.05	19.17	19.00	20.5	3
20	256QAM	1	49	19.04	19.07	19.03		
20	256QAM	1	99	19.05	18.96	19.05		
20	256QAM	50	0	19.08	19.18	19.01	20.5	3
20	256QAM	50	24	19.10	19.02	19.07		
20	256QAM	50	50	19.01	19.10	19.02		
20	256QAM	100	0	18.99	19.12	18.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.15	22.18	22.01	23.5	0
15	QPSK	1	37	22.15	22.05	21.98		
15	QPSK	1	74	21.96	22.01	22.08		
15	QPSK	36	0	21.86	22.03	21.90	23.5	0
15	QPSK	36	20	21.86	21.77	21.94		
15	QPSK	36	39	21.92	21.95	21.77		
15	QPSK	75	0	21.99	21.90	21.93		
15	16QAM	1	0	21.86	22.08	21.92	23.5	0
15	16QAM	1	37	21.88	22.02	22.04		
15	16QAM	1	74	21.89	22.06	22.06		
15	16QAM	36	0	22.01	21.98	21.88	23.5	0
15	16QAM	36	20	21.81	21.88	22.01		
15	16QAM	36	39	21.97	21.90	21.83		
15	16QAM	75	0	21.95	21.94	21.88		
15	64QAM	1	0	22.02	21.89	22.00	23.5	0
15	64QAM	1	37	21.92	21.88	21.94		
15	64QAM	1	74	22.05	21.92	21.90		
15	64QAM	36	0	20.93	21.06	20.94	22.5	1
15	64QAM	36	20	20.92	21.03	20.90		
15	64QAM	36	39	20.92	20.88	20.88		
15	64QAM	75	0	20.99	20.92	21.01		
15	256QAM	1	0	18.95	19.06	18.86	20.5	3
15	256QAM	1	37	18.94	18.94	18.92		
15	256QAM	1	74	19.02	18.84	18.93		
15	256QAM	36	0	19.00	19.13	18.94	20.5	3
15	256QAM	36	20	18.98	18.90	19.01		
15	256QAM	36	39	18.94	19.06	18.89		
15	256QAM	75	0	18.87	19.04	18.89		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.09	22.12	22.18	23.5	0
10	QPSK	1	25	22.22	22.15	22.08		
10	QPSK	1	49	22.15	22.18	21.89		
10	QPSK	25	0	21.92	22.14	22.03	23.5	0
10	QPSK	25	12	21.92	21.78	21.99		
10	QPSK	25	25	21.86	21.84	21.83		
10	QPSK	50	0	21.83	21.95	21.96		
10	16QAM	1	0	21.91	21.99	21.91	23.5	0
10	16QAM	1	25	22.01	22.01	22.00		
10	16QAM	1	49	21.99	21.93	21.88		
10	16QAM	25	0	21.98	22.01	21.89	23.5	0
10	16QAM	25	12	21.92	21.93	21.95		
10	16QAM	25	25	21.94	21.86	21.87		
10	16QAM	50	0	22.01	21.93	21.86		
10	64QAM	1	0	21.99	21.88	21.95	23.5	0
10	64QAM	1	25	21.89	21.85	21.93		
10	64QAM	1	49	22.02	21.97	21.90		
10	64QAM	25	0	20.91	21.01	20.88	22.5	1
10	64QAM	25	12	20.92	20.92	20.98		
10	64QAM	25	25	20.87	20.93	20.93		
10	64QAM	50	0	20.97	20.90	20.91		
10	256QAM	1	0	18.95	19.10	18.95	20.5	3
10	256QAM	1	25	18.92	19.03	18.93		
10	256QAM	1	49	18.91	18.89	18.95		
10	256QAM	25	0	18.95	19.06	18.89	20.5	3
10	256QAM	25	12	19.06	18.97	18.98		
10	256QAM	25	25	18.90	19.00	18.89		
10	256QAM	50	0	18.95	19.00	18.84		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.16	22.15	22.15	23.5	0
5	QPSK	1	12	22.21	22.16	22.08		
5	QPSK	1	24	22.10	22.06	21.95		
5	QPSK	12	0	22.02	22.19	21.87	23.5	0
5	QPSK	12	7	21.83	21.96	22.03		
5	QPSK	12	13	22.03	21.92	21.88		
5	QPSK	25	0	21.89	22.03	21.82		
5	16QAM	1	0	22.08	21.91	22.07	23.5	0
5	16QAM	1	12	22.03	21.91	22.01		
5	16QAM	1	24	21.87	22.03	21.85		
5	16QAM	12	0	21.95	22.06	21.90	23.5	0
5	16QAM	12	7	21.84	21.95	21.98		
5	16QAM	12	13	21.98	21.90	21.80		
5	16QAM	25	0	21.96	21.95	21.93		
5	64QAM	1	0	21.97	21.82	22.01	23.5	0
5	64QAM	1	12	21.92	21.81	22.01		
5	64QAM	1	24	21.97	21.94	21.94		
5	64QAM	12	0	20.92	21.05	20.99	22.5	1
5	64QAM	12	7	20.95	20.93	20.93		
5	64QAM	12	13	20.92	20.93	20.93		
5	64QAM	25	0	20.95	20.89	20.97		
5	256QAM	1	0	19.00	19.02	18.86	20.5	3
5	256QAM	1	12	18.99	19.03	18.98		
5	256QAM	1	24	18.96	18.87	18.95		
5	256QAM	12	0	19.00	19.11	18.94	20.5	3
5	256QAM	12	7	18.97	18.93	19.01		
5	256QAM	12	13	18.94	19.02	18.97		
5	256QAM	25	0	18.94	19.05	18.84		

Band 41 Ant2 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.05	22.24	22.26	22.07	22.02	23.5	0
20	QPSK	1	49	22.08	22.01	22.05	22.10	21.75		
20	QPSK	1	99	21.90	22.08	22.10	21.99	21.91		
20	QPSK	50	0	21.94	22.01	22.17	21.91	21.88	23.5	0
20	QPSK	50	24	21.90	21.96	21.86	22.01	21.85		
20	QPSK	50	50	22.00	22.10	21.97	21.93	21.73		
20	QPSK	100	0	21.76	21.93	22.07	22.03	21.96		
20	16QAM	1	0	22.00	22.07	21.99	22.01	21.93	23.5	0
20	16QAM	1	49	22.05	21.96	22.06	22.10	21.85		
20	16QAM	1	99	21.88	21.90	22.09	21.95	21.98		
20	16QAM	50	0	22.00	22.06	22.05	21.97	21.74	23.5	0
20	16QAM	50	24	21.89	22.01	22.00	22.00	21.79		
20	16QAM	50	50	22.03	22.09	21.99	21.94	21.70		
20	16QAM	100	0	21.93	22.05	22.04	21.97	21.75		
20	64QAM	1	0	21.88	22.02	21.98	21.99	21.78	23.5	0
20	64QAM	1	49	21.99	22.06	21.97	22.11	21.87		
20	64QAM	1	99	22.03	22.07	22.02	22.04	21.80		
20	64QAM	50	0	20.99	21.03	21.19	21.07	20.82	22.5	1
20	64QAM	50	24	20.91	20.97	21.08	21.10	20.90		
20	64QAM	50	50	20.82	20.92	20.95	21.02	20.86		
20	64QAM	100	0	20.96	21.07	20.96	21.07	20.85		
20	256QAM	1	0	18.91	19.01	19.18	18.96	18.72	20.5	3
20	256QAM	1	49	18.93	19.05	19.03	19.03	18.79		
20	256QAM	1	99	19.05	19.10	18.92	19.09	18.92		
20	256QAM	50	0	19.07	19.12	19.17	19.01	18.84	20.5	3
20	256QAM	50	24	18.98	19.10	18.97	19.06	18.91		
20	256QAM	50	50	18.91	19.04	19.05	18.98	18.84		
20	256QAM	100	0	18.93	18.96	19.12	18.91	18.66		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.18	22.23	22.25	22.19	22.07	24	0
15	QPSK	1	37	22.12	22.07	22.06	21.97	21.87		
15	QPSK	1	74	21.94	22.03	22.20	21.96	21.91		
15	QPSK	36	0	21.83	22.03	22.15	22.11	21.84	23.5	0
15	QPSK	36	20	21.83	21.94	21.91	22.00	21.88		
15	QPSK	36	39	22.11	22.09	21.97	22.13	21.92		
15	QPSK	75	0	21.70	22.04	22.08	21.96	21.86		
15	16QAM	1	0	22.09	22.13	22.17	22.10	22.03	23.5	0
15	16QAM	1	37	22.02	21.91	21.88	22.10	22.04		
15	16QAM	1	74	21.87	21.98	22.16	22.05	21.75		
15	16QAM	36	0	21.95	21.96	22.01	21.84	21.59	23.5	0
15	16QAM	36	20	21.83	21.91	21.92	21.93	21.73		
15	16QAM	36	39	21.98	22.05	21.86	21.90	21.59		
15	16QAM	75	0	21.81	21.96	21.93	21.85	21.68		
15	64QAM	1	0	21.76	21.90	21.91	21.85	21.73	23.5	0
15	64QAM	1	37	21.94	21.91	21.89	21.96	21.76		
15	64QAM	1	74	21.94	22.01	21.95	21.90	21.77		
15	64QAM	36	0	20.91	20.92	21.12	20.99	20.73	22.5	1
15	64QAM	36	20	20.81	20.85	20.99	20.96	20.86		
15	64QAM	36	39	20.67	20.88	20.87	20.87	20.73		
15	64QAM	75	0	20.89	20.93	20.85	21.02	20.70		
15	256QAM	1	0	18.84	18.90	19.06	18.93	18.61	20.5	3
15	256QAM	1	37	18.84	18.95	18.88	18.94	18.75		
15	256QAM	1	74	18.97	18.98	18.77	19.01	18.83		
15	256QAM	36	0	19.03	19.08	19.10	18.95	18.75	20.5	3
15	256QAM	36	20	18.91	19.00	18.83	18.97	18.86		
15	256QAM	36	39	18.86	19.01	19.02	18.94	18.75		
15	256QAM	75	0	18.88	18.84	18.99	18.83	18.53		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.01	22.24	22.16	22.22	22.00	24	0
10	QPSK	1	25	22.20	22.18	21.98	21.98	21.86		
10	QPSK	1	49	22.00	22.07	22.07	21.96	21.79		
10	QPSK	25	0	22.01	21.89	22.16	22.06	21.76	23.5	0
10	QPSK	25	12	21.80	21.93	21.98	22.03	21.98		
10	QPSK	25	25	21.93	22.09	21.94	22.05	21.76		
10	QPSK	50	0	21.79	22.02	22.03	21.92	21.98		
10	16QAM	1	0	21.96	22.15	22.04	22.01	21.88	23.5	0
10	16QAM	1	25	22.03	22.01	21.88	22.02	22.02		
10	16QAM	1	49	21.93	21.92	22.16	22.12	21.87		
10	16QAM	25	0	21.89	22.00	21.96	21.91	21.69	23.5	0
10	16QAM	25	12	21.75	21.98	21.91	21.96	21.74		
10	16QAM	25	25	21.98	22.01	21.86	21.82	21.66		
10	16QAM	50	0	21.88	22.02	21.96	21.93	21.60		
10	64QAM	1	0	21.83	21.92	21.86	21.88	21.73	23.5	0
10	64QAM	1	25	21.95	21.92	21.86	22.07	21.82		
10	64QAM	1	49	21.88	22.03	21.89	21.92	21.72		
10	64QAM	25	0	20.87	20.92	21.10	21.03	20.74	22.5	1
10	64QAM	25	12	20.82	20.91	20.96	21.04	20.76		
10	64QAM	25	25	20.76	20.79	20.91	20.93	20.74		
10	64QAM	50	0	20.91	21.03	20.93	21.01	20.78		
10	256QAM	1	0	18.77	18.86	19.06	18.91	18.57	20.5	3
10	256QAM	1	25	18.80	18.99	18.97	18.92	18.72		
10	256QAM	1	49	18.98	19.01	18.89	18.99	18.82		
10	256QAM	25	0	18.99	18.99	19.02	18.86	18.79	20.5	3
10	256QAM	25	12	18.87	18.99	18.90	19.00	18.83		
10	256QAM	25	25	18.88	18.96	18.96	18.87	18.75		
10	256QAM	50	0	18.78	18.84	18.99	18.88	18.60		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.16	22.21	22.25	22.14	22.01	24	0
5	QPSK	1	12	22.19	22.10	21.99	21.95	21.71		
5	QPSK	1	24	21.95	21.96	22.20	22.01	21.80		
5	QPSK	12	0	22.03	21.93	22.09	22.02	21.71	23.5	0
5	QPSK	12	7	21.78	22.06	21.97	22.08	21.81		
5	QPSK	12	13	22.15	22.05	21.99	22.05	21.85		
5	QPSK	25	0	21.71	21.99	22.10	22.11	21.87		
5	16QAM	1	0	21.97	22.20	22.17	22.05	21.92	23.5	0
5	16QAM	1	12	22.01	21.99	21.89	22.13	22.03		
5	16QAM	1	24	21.96	21.81	22.15	22.11	21.86		
5	16QAM	12	0	21.95	22.03	21.92	21.84	21.69	23.5	0
5	16QAM	12	7	21.82	21.88	21.90	21.86	21.65		
5	16QAM	12	13	21.89	22.02	21.87	21.88	21.65		
5	16QAM	25	0	21.80	21.97	21.96	21.93	21.60		
5	64QAM	1	0	21.84	21.88	21.89	21.90	21.64	23.5	0
5	64QAM	1	12	21.91	21.98	21.90	22.08	21.79		
5	64QAM	1	24	21.98	21.95	21.96	21.91	21.66		
5	64QAM	12	0	20.85	20.97	21.05	21.01	20.73	22.5	1
5	64QAM	12	7	20.77	20.88	21.02	21.01	20.77		
5	64QAM	12	13	20.79	20.84	20.87	20.88	20.76		
5	64QAM	25	0	20.93	20.97	20.89	20.96	20.74		
5	256QAM	1	0	18.79	18.86	19.11	18.88	18.61	20.5	3
5	256QAM	1	12	18.85	18.96	18.99	18.99	18.67		
5	256QAM	1	24	18.98	19.00	18.89	19.01	18.85		
5	256QAM	12	0	18.99	18.98	19.04	18.95	18.72	20.5	3
5	256QAM	12	7	18.88	18.98	18.87	18.96	18.87		
5	256QAM	12	13	18.78	18.90	19.01	18.89	18.76		
5	256QAM	25	0	18.82	18.93	18.99	18.77	18.53		

	GSM1900 Ant3 DSI3							
GSM1900 Ant3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.94	29.08	28.66	30.50	19.94	20.08	19.66	21.50
GPRS 1 Tx slot	28.96	29.15	28.70	30.50	19.96	20.15	19.70	21.50
GPRS 2 Tx slots	25.52	25.53	25.73	27.50	19.52	19.53	19.73	21.50
GPRS 3 Tx slots	24.10	24.15	24.12	25.70	19.84	19.89	19.86	21.44
GPRS 4 Tx slots	22.91	22.97	22.70	24.50	19.91	19.97	19.70	21.50
EDGE 1 Tx slot	25.01	25.18	25.04	26.50	16.01	16.18	16.04	17.50
EDGE 2 Tx slots	22.37	22.54	22.17	23.50	16.37	16.54	16.17	17.50
EDGE 3 Tx slots	21.10	21.13	21.05	21.70	16.84	16.87	16.79	17.44
EDGE 4 Tx slots	19.27	19.25	19.25	20.50	16.27	16.25	16.25	17.50

		WCDMA II Ant3 DSI3				WCDMA IV Ant3 DSI3			
Band		WCDMA II Ant3			Tune-up Limit (dBm)	WCDMA IV Ant3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.03	20.25	20.20	22.00	20.10	20.10	20.02	21.50
3GPP Rel 99	RMC 12.2Kbps	20.27	20.28	20.24	22.00	20.10	20.12	20.11	21.50
3GPP Rel 6	HSDPA Subtest-1	19.14	19.35	19.32	21.00	19.18	19.27	19.28	20.50
3GPP Rel 6	HSDPA Subtest-2	19.13	19.28	19.12	21.00	19.19	19.23	19.02	20.50
3GPP Rel 6	HSDPA Subtest-3	18.78	18.83	18.70	20.50	18.64	18.73	18.76	20.00
3GPP Rel 6	HSDPA Subtest-4	18.66	18.76	18.67	20.50	18.61	18.83	18.70	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.25	19.30	19.18	21.00	19.30	19.25	19.17	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.13	19.11	19.19	21.00	19.12	19.12	19.20	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.64	18.74	18.54	20.50	18.61	18.77	18.66	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.54	18.66	18.56	20.50	18.58	18.74	18.81	20.00
3GPP Rel 6	HSUPA Subtest-1	19.00	19.25	19.16	21.00	19.12	19.11	19.25	20.50
3GPP Rel 6	HSUPA Subtest-2	17.17	17.26	17.20	19.00	17.15	17.18	17.29	18.50
3GPP Rel 6	HSUPA Subtest-3	18.33	18.25	18.41	20.00	18.13	18.20	18.35	19.50
3GPP Rel 6	HSUPA Subtest-4	17.18	17.14	17.12	19.00	17.24	17.16	17.06	18.50
3GPP Rel 6	HSUPA Subtest-5	19.01	19.25	19.22	21.00	18.96	19.22	19.01	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.81	16.90	16.90	18.50	16.71	16.93	16.70	18.00

Band 2 Ant3 DSI3 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.66	19.85	19.71	21.5	0
20	QPSK	1	49	19.63	19.64	19.76		
20	QPSK	1	99	19.74	19.62	19.60		
20	QPSK	50	0	19.69	19.74	19.72	21.5	0
20	QPSK	50	24	19.54	19.62	19.62		
20	QPSK	50	50	19.56	19.52	19.56		
20	QPSK	100	0	19.54	19.65	19.62		
20	16QAM	1	0	19.60	19.55	19.57	21.5	0
20	16QAM	1	49	19.59	19.59	19.73		
20	16QAM	1	99	19.63	19.78	19.55		
20	16QAM	50	0	19.73	19.69	19.66	21.5	0
20	16QAM	50	24	19.67	19.60	19.62		
20	16QAM	50	50	19.66	19.69	19.60		
20	16QAM	100	0	19.51	19.76	19.79		
20	64QAM	1	0	19.62	19.65	19.60	21.5	0
20	64QAM	1	49	19.65	19.53	19.70		
20	64QAM	1	99	19.69	19.57	19.75		
20	64QAM	50	0	19.66	19.66	19.61	21.5	0
20	64QAM	50	24	19.66	19.59	19.81		
20	64QAM	50	50	19.57	19.57	19.70		
20	64QAM	100	0	19.61	19.65	19.75		
20	256QAM	1	0	18.23	18.39	18.36	20	1.5
20	256QAM	1	49	18.39	18.43	18.31		
20	256QAM	1	99	18.22	18.28	18.29		
20	256QAM	50	0	18.22	18.43	18.18	20	1.5
20	256QAM	50	24	18.13	18.18	18.25		
20	256QAM	50	50	18.26	18.30	18.17		
20	256QAM	100	0	18.16	18.15	18.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.69	19.80	19.64	21.5	0
15	QPSK	1	37	19.52	19.65	19.64		
15	QPSK	1	74	19.73	19.67	19.50		
15	QPSK	36	0	19.70	19.76	19.58	21.5	0
15	QPSK	36	20	19.66	19.63	19.55		
15	QPSK	36	39	19.60	19.70	19.64		
15	QPSK	75	0	19.55	19.60	19.66		
15	16QAM	1	0	19.58	19.60	19.67	21.5	0
15	16QAM	1	37	19.59	19.59	19.65		
15	16QAM	1	74	19.74	19.59	19.63		
15	16QAM	36	0	19.67	19.62	19.66	21.5	0
15	16QAM	36	20	19.52	19.80	19.56		
15	16QAM	36	39	19.53	19.52	19.64		
15	16QAM	75	0	19.75	19.81	19.81		
15	64QAM	1	0	19.75	19.60	19.68	21.5	0
15	64QAM	1	37	19.51	19.70	19.51		
15	64QAM	1	74	19.62	19.55	19.62		
15	64QAM	36	0	19.65	19.69	19.71	21.5	0
15	64QAM	36	20	19.75	19.56	19.65		
15	64QAM	36	39	19.52	19.73	19.63		
15	64QAM	75	0	19.66	19.68	19.67		
15	256QAM	1	0	18.30	18.31	18.43	20	1.5
15	256QAM	1	37	18.30	18.28	18.29		
15	256QAM	1	74	18.39	18.31	18.20		
15	256QAM	36	0	18.14	18.19	18.12	20	1.5
15	256QAM	36	20	18.22	18.23	18.11		
15	256QAM	36	39	18.06	18.23	18.16		
15	256QAM	75	0	18.16	18.26	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.83	19.80	19.84	21.5	0
10	QPSK	1	25	19.64	19.59	19.69		
10	QPSK	1	49	19.77	19.64	19.53		
10	QPSK	25	0	19.55	19.61	19.67	21.5	0
10	QPSK	25	12	19.52	19.70	19.69		
10	QPSK	25	25	19.56	19.67	19.56		
10	QPSK	50	0	19.65	19.60	19.66		
10	16QAM	1	0	19.57	19.63	19.64	21.5	0
10	16QAM	1	25	19.79	19.82	19.55		
10	16QAM	1	49	19.59	19.63	19.56		
10	16QAM	25	0	19.60	19.63	19.61	21.5	0
10	16QAM	25	12	19.52	19.65	19.68		
10	16QAM	25	25	19.63	19.61	19.66		
10	16QAM	50	0	19.61	19.82	19.73		
10	64QAM	1	0	19.70	19.59	19.67	21.5	0
10	64QAM	1	25	19.54	19.81	19.57		
10	64QAM	1	49	19.56	19.70	19.53		
10	64QAM	25	0	19.52	19.62	19.59	21.5	0
10	64QAM	25	12	19.55	19.66	19.78		
10	64QAM	25	25	19.52	19.62	19.71		
10	64QAM	50	0	19.51	19.65	19.65		
10	256QAM	1	0	18.23	18.50	18.37	20	1.5
10	256QAM	1	25	18.32	18.42	18.27		
10	256QAM	1	49	18.37	18.40	18.25		
10	256QAM	25	0	18.22	18.24	18.22	20	1.5
10	256QAM	25	12	18.13	18.26	18.21		
10	256QAM	25	25	18.16	18.21	18.20		
10	256QAM	50	0	18.27	18.13	18.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.76	19.80	19.66	21.5	0
5	QPSK	1	12	19.81	19.80	19.76		
5	QPSK	1	24	19.68	19.62	19.64		
5	QPSK	12	0	19.55	19.72	19.55	21.5	0
5	QPSK	12	7	19.59	19.68	19.71		
5	QPSK	12	13	19.77	19.70	19.71		
5	QPSK	25	0	19.53	19.60	19.65		
5	16QAM	1	0	19.67	19.52	19.55	21.5	0
5	16QAM	1	12	19.66	19.67	19.76		
5	16QAM	1	24	19.66	19.69	19.61		
5	16QAM	12	0	19.56	19.55	19.77	21.5	0
5	16QAM	12	7	19.62	19.79	19.60		
5	16QAM	12	13	19.55	19.52	19.68		
5	16QAM	25	0	19.58	19.65	19.82		
5	64QAM	1	0	19.67	19.60	19.58	21.5	0
5	64QAM	1	12	19.56	19.70	19.50		
5	64QAM	1	24	19.78	19.51	19.72		
5	64QAM	12	0	19.56	19.55	19.63	21.5	0
5	64QAM	12	7	19.68	19.52	19.82		
5	64QAM	12	13	19.68	19.65	19.50		
5	64QAM	25	0	19.68	19.78	19.64		
5	256QAM	1	0	18.22	18.43	18.30	20	1.5
5	256QAM	1	12	18.40	18.42	18.34		
5	256QAM	1	24	18.35	18.27	18.28		
5	256QAM	12	0	18.14	18.40	18.24	20	1.5
5	256QAM	12	7	18.16	18.29	18.11		
5	256QAM	12	13	18.15	18.37	18.20		
5	256QAM	25	0	18.08	18.26	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.76	19.71	19.82	21.5	0
3	QPSK	1	8	19.76	19.68	19.66		
3	QPSK	1	14	19.65	19.79	19.62		
3	QPSK	8	0	19.62	19.69	19.74	21.5	0
3	QPSK	8	4	19.63	19.60	19.51		
3	QPSK	8	7	19.74	19.69	19.63		
3	QPSK	15	0	19.61	19.60	19.58		
3	16QAM	1	0	19.69	19.70	19.72	21.5	0
3	16QAM	1	8	19.78	19.63	19.55		
3	16QAM	1	14	19.74	19.68	19.62		
3	16QAM	8	0	19.60	19.53	19.61	21.5	0
3	16QAM	8	4	19.60	19.63	19.69		
3	16QAM	8	7	19.65	19.57	19.61		
3	16QAM	15	0	19.59	19.71	19.71		
3	64QAM	1	0	19.54	19.59	19.60	21.5	0
3	64QAM	1	8	19.61	19.59	19.64		
3	64QAM	1	14	19.64	19.63	19.56		
3	64QAM	8	0	19.72	19.64	19.60	21.5	0
3	64QAM	8	4	19.65	19.70	19.70		
3	64QAM	8	7	19.60	19.57	19.62		
3	64QAM	15	0	19.67	19.62	19.73		
3	256QAM	1	0	18.41	18.34	18.32	20	1.5
3	256QAM	1	8	18.43	18.36	18.27		
3	256QAM	1	14	18.19	18.33	18.29		
3	256QAM	8	0	18.22	18.35	18.28	20	1.5
3	256QAM	8	4	18.15	18.31	18.13		
3	256QAM	8	7	18.15	18.25	18.08		
3	256QAM	15	0	18.26	18.11	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.70	19.72	19.63	21.5	0
1.4	QPSK	1	3	19.67	19.65	19.74		
1.4	QPSK	1	5	19.70	19.61	19.51		
1.4	QPSK	3	0	19.60	19.69	19.60		
1.4	QPSK	3	1	19.68	19.62	19.64		
1.4	QPSK	3	3	19.56	19.66	19.60		
1.4	QPSK	6	0	19.55	19.66	19.68	21.5	0
1.4	16QAM	1	0	19.54	19.75	19.63	21.5	0
1.4	16QAM	1	3	19.54	19.63	19.75		
1.4	16QAM	1	5	19.65	19.71	19.66		
1.4	16QAM	3	0	19.74	19.62	19.61		
1.4	16QAM	3	1	19.69	19.57	19.68		
1.4	16QAM	3	3	19.64	19.59	19.66		
1.4	16QAM	6	0	19.60	19.68	19.84	21.5	0
1.4	64QAM	1	0	19.66	19.73	19.61	21.5	0
1.4	64QAM	1	3	19.64	19.81	19.55		
1.4	64QAM	1	5	19.60	19.66	19.65		
1.4	64QAM	3	0	19.55	19.68	19.51		
1.4	64QAM	3	1	19.67	19.59	19.72		
1.4	64QAM	3	3	19.62	19.68	19.59		
1.4	64QAM	6	0	19.52	19.71	19.74	21.5	0
1.4	256QAM	1	0	18.31	18.36	18.23	20	1.5
1.4	256QAM	1	3	18.32	18.30	18.33		
1.4	256QAM	1	5	18.25	18.17	18.16		
1.4	256QAM	3	0	18.35	18.29	18.28		
1.4	256QAM	3	1	18.35	18.24	18.43		
1.4	256QAM	3	3	18.17	18.43	18.14		
1.4	256QAM	6	0	18.33	18.35	18.39	20	1.5

Band 4 Ant3 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.42	20.47	20.42	22	0
20	QPSK	1	49	20.36	20.36	20.27		
20	QPSK	1	99	20.23	20.25	20.20		
20	QPSK	50	0	20.40	20.46	20.00	22	0
20	QPSK	50	24	20.31	20.10	20.32		
20	QPSK	50	50	20.41	20.04	20.39		
20	QPSK	100	0	20.30	20.37	20.35		
20	16QAM	1	0	20.26	20.16	20.11	22	0
20	16QAM	1	49	20.11	20.11	20.09		
20	16QAM	1	99	20.43	20.22	20.07		
20	16QAM	50	0	20.06	20.07	20.39	22	0
20	16QAM	50	24	20.32	20.00	20.29		
20	16QAM	50	50	20.03	20.40	20.04		
20	16QAM	100	0	20.04	20.41	20.31		
20	64QAM	1	0	20.11	20.23	20.15	22	0
20	64QAM	1	49	20.40	20.17	20.28		
20	64QAM	1	99	20.32	20.03	20.34		
20	64QAM	50	0	20.07	20.20	20.14	22	0
20	64QAM	50	24	20.04	20.11	20.02		
20	64QAM	50	50	20.05	20.16	20.07		
20	64QAM	100	0	20.06	20.14	20.06		
20	256QAM	1	0	18.23	18.33	18.22	20	2
20	256QAM	1	49	18.24	18.30	18.22		
20	256QAM	1	99	18.18	18.25	18.19		
20	256QAM	50	0	18.07	18.21	18.13	20	2
20	256QAM	50	24	18.03	18.11	18.03		
20	256QAM	50	50	18.05	18.17	18.10		
20	256QAM	100	0	18.06	18.10	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.31	20.43	20.37	22	0
15	QPSK	1	37	20.31	20.46	20.37		
15	QPSK	1	74	20.33	20.43	20.08		
15	QPSK	36	0	20.40	20.40	20.30	22	0
15	QPSK	36	20	20.02	20.29	20.34		
15	QPSK	36	39	20.41	20.38	20.39		
15	QPSK	75	0	20.40	20.01	20.44		
15	16QAM	1	0	20.29	20.38	20.18	22	0
15	16QAM	1	37	20.06	20.16	20.09		
15	16QAM	1	74	20.31	20.13	20.07		
15	16QAM	36	0	20.36	20.43	20.01	22	0
15	16QAM	36	20	20.37	20.03	20.01		
15	16QAM	36	39	20.37	20.42	20.41		
15	16QAM	75	0	20.11	20.33	20.38		
15	64QAM	1	0	20.00	20.24	20.05	22	0
15	64QAM	1	37	20.17	20.16	20.03		
15	64QAM	1	74	20.36	20.12	20.03		
15	64QAM	36	0	20.03	20.20	20.16	22	0
15	64QAM	36	20	20.07	20.12	20.08		
15	64QAM	36	39	20.12	20.16	20.10		
15	64QAM	75	0	20.00	20.15	20.12		
15	256QAM	1	0	18.21	18.30	18.28	20	2
15	256QAM	1	37	18.21	18.23	18.29		
15	256QAM	1	74	18.15	18.16	18.24		
15	256QAM	36	0	18.08	18.14	18.18	20	2
15	256QAM	36	20	18.01	18.01	18.07		
15	256QAM	36	39	18.07	18.17	18.10		
15	256QAM	75	0	18.06	18.08	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.31	20.43	20.44	22	0
10	QPSK	1	25	20.23	20.36	20.20		
10	QPSK	1	49	20.33	20.33	20.20		
10	QPSK	25	0	20.33	20.46	20.01	22	0
10	QPSK	25	12	20.34	20.05	20.38		
10	QPSK	25	25	20.37	20.42	20.04		
10	QPSK	50	0	20.42	20.07	20.29		
10	16QAM	1	0	20.14	20.25	20.14	22	0
10	16QAM	1	25	20.16	20.15	20.09		
10	16QAM	1	49	20.00	20.09	20.12		
10	16QAM	25	0	20.45	20.01	20.03	22	0
10	16QAM	25	12	20.03	20.30	20.33		
10	16QAM	25	25	20.44	20.45	20.03		
10	16QAM	50	0	20.44	20.29	20.20		
10	64QAM	1	0	20.13	20.14	20.07	22	0
10	64QAM	1	25	20.09	20.09	20.02		
10	64QAM	1	49	20.04	20.14	20.03		
10	64QAM	25	0	20.07	20.19	20.17	22	0
10	64QAM	25	12	20.13	20.04	20.13		
10	64QAM	25	25	20.10	20.08	20.13		
10	64QAM	50	0	20.12	20.16	20.07		
10	256QAM	1	0	18.28	18.32	18.26	20	2
10	256QAM	1	25	18.30	18.21	18.31		
10	256QAM	1	49	18.14	18.26	18.25		
10	256QAM	25	0	18.07	18.23	18.16	20	2
10	256QAM	25	12	18.02	18.05	18.05		
10	256QAM	25	25	18.06	18.15	18.17		
10	256QAM	50	0	18.04	18.05	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.46	20.28	20.24	22	0
5	QPSK	1	12	20.38	20.37	20.33		
5	QPSK	1	24	20.15	20.46	20.15		
5	QPSK	12	0	20.37	20.17	20.03	22	0
5	QPSK	12	7	20.03	20.36	20.40		
5	QPSK	12	13	20.37	20.42	20.45		
5	QPSK	25	0	20.39	20.12	20.38		
5	16QAM	1	0	20.25	20.17	20.05	22	0
5	16QAM	1	12	20.14	20.13	20.19		
5	16QAM	1	24	20.16	20.07	20.03		
5	16QAM	12	0	20.00	20.10	20.04	22	0
5	16QAM	12	7	20.35	20.39	20.04		
5	16QAM	12	13	20.44	20.43	20.45		
5	16QAM	25	0	20.00	20.44	20.28		
5	64QAM	1	0	20.02	20.14	20.17	22	0
5	64QAM	1	12	20.13	20.10	20.28		
5	64QAM	1	24	20.35	20.45	20.28		
5	64QAM	12	0	20.04	20.15	20.23	22	0
5	64QAM	12	7	20.05	20.01	20.13		
5	64QAM	12	13	20.04	20.11	20.16		
5	64QAM	25	0	20.04	20.09	20.12		
5	256QAM	1	0	18.22	18.33	18.24	20	2
5	256QAM	1	12	18.24	18.25	18.22		
5	256QAM	1	24	18.20	18.23	18.29		
5	256QAM	12	0	18.08	18.22	18.17	20	2
5	256QAM	12	7	18.05	18.10	18.09		
5	256QAM	12	13	18.00	18.12	18.15		
5	256QAM	25	0	18.07	18.11	18.10		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.46	20.39	20.34	22	0
3	QPSK	1	8	20.29	20.45	20.29		
3	QPSK	1	14	20.16	20.38	20.14		
3	QPSK	8	0	20.37	20.05	20.32	22	0
3	QPSK	8	4	20.23	20.00	20.07		
3	QPSK	8	7	20.34	20.29	20.17		
3	QPSK	15	0	20.21	20.02	20.38		
3	16QAM	1	0	20.26	20.25	20.10	22	0
3	16QAM	1	8	20.23	20.26	20.04		
3	16QAM	1	14	20.12	20.13	20.01		
3	16QAM	8	0	20.46	20.40	20.33	22	0
3	16QAM	8	4	20.03	20.42	20.29		
3	16QAM	8	7	20.43	20.00	20.36		
3	16QAM	15	0	20.36	20.07	20.39		
3	64QAM	1	0	20.11	20.19	20.04	22	0
3	64QAM	1	8	20.28	20.06	20.46		
3	64QAM	1	14	20.01	20.33	20.29		
3	64QAM	8	0	20.36	20.26	20.15	22	0
3	64QAM	8	4	20.20	20.10	20.13		
3	64QAM	8	7	20.21	20.11	20.15		
3	64QAM	15	0	20.21	20.11	20.08		
3	256QAM	1	0	18.40	18.30	18.26	20	2
3	256QAM	1	8	18.42	18.32	18.23		
3	256QAM	1	14	18.40	18.30	18.22		
3	256QAM	8	0	18.31	18.21	18.15	20	2
3	256QAM	8	4	18.13	18.03	18.05		
3	256QAM	8	7	18.21	18.11	18.10		
3	256QAM	15	0	18.07	18.03	18.01		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.28	20.39	20.35	22	0
1.4	QPSK	1	3	20.27	20.21	20.33		
1.4	QPSK	1	5	20.17	20.45	20.10		
1.4	QPSK	3	0	20.40	20.07	20.47		
1.4	QPSK	3	1	20.45	20.33	20.41		
1.4	QPSK	3	3	20.47	20.35	20.39		
1.4	QPSK	6	0	20.28	20.08	20.32	22	0
1.4	16QAM	1	0	20.23	20.19	20.24	22	0
1.4	16QAM	1	3	20.20	20.19	20.12		
1.4	16QAM	1	5	20.35	20.06	20.14		
1.4	16QAM	3	0	20.47	20.40	20.08		
1.4	16QAM	3	1	20.33	20.40	20.04		
1.4	16QAM	3	3	20.34	20.10	20.35		
1.4	16QAM	6	0	20.29	20.01	20.01	22	0
1.4	64QAM	1	0	20.09	20.05	20.17	22	0
1.4	64QAM	1	3	20.46	20.03	20.29		
1.4	64QAM	1	5	20.46	20.09	20.09		
1.4	64QAM	3	0	20.20	20.13	20.12		
1.4	64QAM	3	1	20.05	20.14	20.36		
1.4	64QAM	3	3	20.38	20.06	20.06		
1.4	64QAM	6	0	20.05	20.11	20.09	22	0
1.4	256QAM	1	0	18.22	18.29	18.20	20	2
1.4	256QAM	1	3	18.22	18.23	18.22		
1.4	256QAM	1	5	18.14	18.17	18.14		
1.4	256QAM	3	0	18.17	18.26	18.20		
1.4	256QAM	3	1	18.18	18.24	18.24		
1.4	256QAM	3	3	18.16	18.23	18.14		
1.4	256QAM	6	0	18.15	18.16	18.17	20	2

Band 7 Ant3 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.28	19.57	19.33	21	0
20	QPSK	1	49	19.43	19.43	19.33		
20	QPSK	1	99	19.15	19.25	19.53		
20	QPSK	50	0	19.18	19.45	19.40	21	0
20	QPSK	50	24	19.44	19.27	19.43		
20	QPSK	50	50	19.43	19.22	19.25		
20	QPSK	100	0	19.32	19.43	19.03		
20	16QAM	1	0	19.31	19.17	19.30	21	0
20	16QAM	1	49	19.20	19.15	19.41		
20	16QAM	1	99	19.26	19.29	19.18		
20	16QAM	50	0	19.41	19.33	19.30	21	0
20	16QAM	50	24	19.30	19.35	19.41		
20	16QAM	50	50	19.37	19.37	19.09		
20	16QAM	100	0	19.13	19.45	19.35		
20	64QAM	1	0	19.29	19.34	19.37	21	0
20	64QAM	1	49	19.32	19.10	19.29		
20	64QAM	1	99	19.34	19.23	19.25		
20	64QAM	50	0	19.29	19.38	19.07	21	0
20	64QAM	50	24	19.40	19.00	19.29		
20	64QAM	50	50	19.18	19.18	19.11		
20	64QAM	100	0	19.19	19.38	19.48		
20	256QAM	1	0	18.44	18.51	18.38	20	1
20	256QAM	1	49	18.43	18.48	18.33		
20	256QAM	1	99	18.39	18.43	18.38		
20	256QAM	50	0	18.27	18.39	18.34	20	1
20	256QAM	50	24	18.25	18.29	18.23		
20	256QAM	50	50	18.28	18.35	18.23		
20	256QAM	100	0	18.22	18.36	18.32		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.48	19.54	19.47	21	0
15	QPSK	1	37	19.43	19.25	19.37		
15	QPSK	1	74	19.24	19.30	19.37		
15	QPSK	36	0	19.24	19.28	19.40	21	0
15	QPSK	36	20	19.31	19.45	19.26		
15	QPSK	36	39	19.48	19.11	19.29		
15	QPSK	75	0	19.27	19.32	19.03		
15	16QAM	1	0	19.26	19.09	19.21	21	0
15	16QAM	1	37	19.19	19.02	19.41		
15	16QAM	1	74	19.44	19.29	19.26		
15	16QAM	36	0	19.53	19.26	19.38	21	0
15	16QAM	36	20	19.29	19.40	19.32		
15	16QAM	36	39	19.09	19.29	19.07		
15	16QAM	75	0	19.14	19.46	19.36		
15	64QAM	1	0	19.33	19.55	19.43	21	0
15	64QAM	1	37	19.17	19.33	19.41		
15	64QAM	1	74	19.29	19.05	19.32		
15	64QAM	36	0	19.37	19.26	19.09	21	0
15	64QAM	36	20	19.36	19.07	19.33		
15	64QAM	36	39	19.21	19.08	19.33		
15	64QAM	75	0	19.32	19.19	19.51		
15	256QAM	1	0	18.32	18.43	18.25	20	1
15	256QAM	1	37	18.32	18.41	18.19		
15	256QAM	1	74	18.26	18.31	18.34		
15	256QAM	36	0	18.20	18.24	18.20	20	1
15	256QAM	36	20	18.19	18.22	18.17		
15	256QAM	36	39	18.14	18.21	18.09		
15	256QAM	75	0	18.09	18.32	18.28		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.29	19.42	19.41	21	0
10	QPSK	1	25	19.38	19.24	19.41		
10	QPSK	1	49	19.30	19.23	19.34		
10	QPSK	25	0	19.18	19.49	19.45	21	0
10	QPSK	25	12	19.40	19.45	19.25		
10	QPSK	25	25	19.36	19.10	19.25		
10	QPSK	50	0	19.38	19.41	19.11		
10	16QAM	1	0	19.17	19.18	19.31	21	0
10	16QAM	1	25	19.13	19.20	19.36		
10	16QAM	1	49	19.27	19.24	19.26		
10	16QAM	25	0	19.55	19.24	19.45	21	0
10	16QAM	25	12	19.32	19.45	19.52		
10	16QAM	25	25	19.01	19.34	19.14		
10	16QAM	50	0	19.04	19.36	19.42		
10	64QAM	1	0	19.23	19.47	19.43	21	0
10	64QAM	1	25	19.21	19.26	19.43		
10	64QAM	1	49	19.35	19.25	19.14		
10	64QAM	25	0	19.44	19.37	19.16	21	0
10	64QAM	25	12	19.26	19.47	19.37		
10	64QAM	25	25	19.27	19.11	19.00		
10	64QAM	50	0	19.17	19.12	19.39		
10	256QAM	1	0	18.38	18.38	18.27	20	1
10	256QAM	1	25	18.32	18.39	18.24		
10	256QAM	1	49	18.35	18.39	18.25		
10	256QAM	25	0	18.20	18.32	18.21	20	1
10	256QAM	25	12	18.15	18.16	18.18		
10	256QAM	25	25	18.24	18.31	18.13		
10	256QAM	50	0	18.14	18.26	18.28		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.29	19.42	19.39	21	0
5	QPSK	1	12	19.32	19.45	19.39		
5	QPSK	1	24	19.37	19.16	19.40		
5	QPSK	12	0	19.14	19.49	19.32	21	0
5	QPSK	12	7	19.27	19.27	19.39		
5	QPSK	12	13	19.40	19.15	19.40		
5	QPSK	25	0	19.42	19.29	19.40		
5	16QAM	1	0	19.32	19.22	19.40	21	0
5	16QAM	1	12	19.18	19.01	19.42		
5	16QAM	1	24	19.24	19.40	19.24		
5	16QAM	12	0	19.52	19.31	19.38	21	0
5	16QAM	12	7	19.35	19.51	19.37		
5	16QAM	12	13	19.08	19.47	19.10		
5	16QAM	25	0	19.07	19.42	19.39		
5	64QAM	1	0	19.30	19.42	19.40	21	0
5	64QAM	1	12	19.39	19.15	19.44		
5	64QAM	1	24	19.43	19.19	19.21		
5	64QAM	12	0	19.30	19.44	19.20	21	0
5	64QAM	12	7	19.26	19.29	19.36		
5	64QAM	12	13	19.38	19.20	19.30		
5	64QAM	25	0	19.27	19.02	19.56		
5	256QAM	1	0	18.31	18.48	18.25	20	1
5	256QAM	1	12	18.39	18.42	18.25		
5	256QAM	1	24	18.36	18.32	18.25		
5	256QAM	12	0	18.15	18.26	18.31	20	1
5	256QAM	12	7	18.14	18.18	18.10		
5	256QAM	12	13	18.24	18.21	18.16		
5	256QAM	25	0	18.11	18.22	18.20		

Band 66 Ant3 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.49	20.58	20.54	22	0
20	QPSK	1	49	20.34	20.41	20.26		
20	QPSK	1	99	20.43	20.39	20.38		
20	QPSK	50	0	20.52	20.54	20.18	22	0
20	QPSK	50	24	20.50	20.30	20.43		
20	QPSK	50	50	20.47	20.23	20.22		
20	QPSK	100	0	20.35	20.37	20.32		
20	16QAM	1	0	20.42	20.24	20.30	22	0
20	16QAM	1	49	20.33	20.13	20.11		
20	16QAM	1	99	20.14	20.36	20.18		
20	16QAM	50	0	20.18	20.15	20.52	22	0
20	16QAM	50	24	20.30	20.11	20.31		
20	16QAM	50	50	20.22	20.39	20.17		
20	16QAM	100	0	20.24	20.52	20.32		
20	64QAM	1	0	20.31	20.43	20.21	22	0
20	64QAM	1	49	20.54	20.24	20.42		
20	64QAM	1	99	20.44	20.05	20.55		
20	64QAM	50	0	20.11	20.25	20.22	22	0
20	64QAM	50	24	20.21	20.31	20.08		
20	64QAM	50	50	20.22	20.15	20.11		
20	64QAM	100	0	20.26	20.13	20.19		
20	256QAM	1	0	18.30	18.43	18.26	20	2
20	256QAM	1	49	18.31	18.38	18.21		
20	256QAM	1	99	18.27	18.35	18.26		
20	256QAM	50	0	18.16	18.31	18.20	20	2
20	256QAM	50	24	18.16	18.21	18.11		
20	256QAM	50	50	18.19	18.24	18.14		
20	256QAM	100	0	18.10	18.32	18.26		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.52	20.28	20.24	22	0
15	QPSK	1	37	20.48	20.35	20.26		
15	QPSK	1	74	20.29	20.37	20.40		
15	QPSK	36	0	20.46	20.55	20.30	22	0
15	QPSK	36	20	20.36	20.25	20.50		
15	QPSK	36	39	20.55	20.05	20.41		
15	QPSK	75	0	20.28	20.55	20.40		
15	16QAM	1	0	20.31	20.15	20.24	22	0
15	16QAM	1	37	20.20	20.14	20.13		
15	16QAM	1	74	20.48	20.22	20.25		
15	16QAM	36	0	20.15	20.09	20.23	22	0
15	16QAM	36	20	20.40	20.06	20.28		
15	16QAM	36	39	20.07	20.50	20.03		
15	16QAM	75	0	20.03	20.40	20.44		
15	64QAM	1	0	20.25	20.38	20.35	22	0
15	64QAM	1	37	20.58	20.26	20.50		
15	64QAM	1	74	20.51	20.23	20.45		
15	64QAM	36	0	20.21	20.40	20.33	22	0
15	64QAM	36	20	20.04	20.31	20.04		
15	64QAM	36	39	20.10	20.27	20.12		
15	64QAM	75	0	20.20	20.32	20.09		
15	256QAM	1	0	18.20	18.32	18.18	20	2
15	256QAM	1	37	18.18	18.25	18.17		
15	256QAM	1	74	18.17	18.29	18.17		
15	256QAM	36	0	18.12	18.17	18.10	20	2
15	256QAM	36	20	18.04	18.12	18.03		
15	256QAM	36	39	18.14	18.13	18.08		
15	256QAM	75	0	17.97	18.19	18.21		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.45	20.27	20.44	22	0
10	QPSK	1	25	20.46	20.38	20.26		
10	QPSK	1	49	20.32	20.25	20.35		
10	QPSK	25	0	20.39	20.44	20.00	22	0
10	QPSK	25	12	20.38	20.19	20.44		
10	QPSK	25	25	20.48	20.08	20.54		
10	QPSK	50	0	20.44	20.56	20.54		
10	16QAM	1	0	20.39	20.35	20.22	22	0
10	16QAM	1	25	20.20	20.15	20.23		
10	16QAM	1	49	20.51	20.38	20.11		
10	16QAM	25	0	20.10	20.25	20.50	22	0
10	16QAM	25	12	20.46	20.09	20.42		
10	16QAM	25	25	20.24	20.40	20.10		
10	16QAM	50	0	20.07	20.54	20.36		
10	64QAM	1	0	20.28	20.35	20.17	22	0
10	64QAM	1	25	20.50	20.30	20.33		
10	64QAM	1	49	20.52	20.06	20.41		
10	64QAM	25	0	20.25	20.29	20.33	22	0
10	64QAM	25	12	20.05	20.10	20.19		
10	64QAM	25	25	20.05	20.35	20.10		
10	64QAM	50	0	20.26	20.12	20.05		
10	256QAM	1	0	18.23	18.28	18.13	20	2
10	256QAM	1	25	18.21	18.26	18.18		
10	256QAM	1	49	18.15	18.23	18.12		
10	256QAM	25	0	18.10	18.27	18.14	20	2
10	256QAM	25	12	18.08	18.07	18.01		
10	256QAM	25	25	18.14	18.13	18.01		
10	256QAM	50	0	18.01	18.18	18.22		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.58	20.49	20.52	22	0
5	QPSK	1	12	20.50	20.36	20.31		
5	QPSK	1	24	20.37	20.39	20.19		
5	QPSK	12	0	20.47	20.25	20.12	22	0
5	QPSK	12	7	20.41	20.28	20.53		
5	QPSK	12	13	20.39	20.24	20.38		
5	QPSK	25	0	20.36	20.41	20.42		
5	16QAM	1	0	20.37	20.31	20.20	22	0
5	16QAM	1	12	20.11	20.32	20.30		
5	16QAM	1	24	20.58	20.41	20.07		
5	16QAM	12	0	20.12	20.21	20.40	22	0
5	16QAM	12	7	20.37	20.05	20.29		
5	16QAM	12	13	20.24	20.39	20.03		
5	16QAM	25	0	20.22	20.58	20.46		
5	64QAM	1	0	20.15	20.32	20.20	22	0
5	64QAM	1	12	20.55	20.32	20.45		
5	64QAM	1	24	20.41	20.20	20.47		
5	64QAM	12	0	20.27	20.39	20.33	22	0
5	64QAM	12	7	20.24	20.11	20.11		
5	64QAM	12	13	20.21	20.27	20.23		
5	64QAM	25	0	20.16	20.22	20.22		
5	256QAM	1	0	18.19	18.37	18.14	20	2
5	256QAM	1	12	18.24	18.32	18.08		
5	256QAM	1	24	18.18	18.31	18.12		
5	256QAM	12	0	18.05	18.21	18.07	20	2
5	256QAM	12	7	18.03	18.18	18.01		
5	256QAM	12	13	18.14	18.14	18.06		
5	256QAM	25	0	17.98	18.26	18.19		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.48	20.48	20.45	22	0
3	QPSK	1	8	20.58	20.52	20.38		
3	QPSK	1	14	20.39	20.45	20.38		
3	QPSK	8	0	20.21	20.36	20.02	22	0
3	QPSK	8	4	20.51	20.21	20.33		
3	QPSK	8	7	20.51	20.25	20.48		
3	QPSK	15	0	20.44	20.54	20.35		
3	16QAM	1	0	20.41	20.25	20.30	22	0
3	16QAM	1	8	20.11	20.11	20.13		
3	16QAM	1	14	20.50	20.31	20.19		
3	16QAM	8	0	20.19	20.07	20.50	22	0
3	16QAM	8	4	20.40	20.05	20.36		
3	16QAM	8	7	20.15	20.46	20.24		
3	16QAM	15	0	20.20	20.46	20.39		
3	64QAM	1	0	20.21	20.43	20.25	22	0
3	64QAM	1	8	20.46	20.27	20.27		
3	64QAM	1	14	20.53	20.03	20.43		
3	64QAM	8	0	20.22	20.19	20.19	22	0
3	64QAM	8	4	20.20	20.25	20.08		
3	64QAM	8	7	20.25	20.28	20.21		
3	64QAM	15	0	20.15	20.32	20.18		
3	256QAM	1	0	18.24	18.32	18.17	20	2
3	256QAM	1	8	18.27	18.33	18.11		
3	256QAM	1	14	18.23	18.28	18.14		
3	256QAM	8	0	18.11	18.17	18.09	20	2
3	256QAM	8	4	18.07	18.13	18.01		
3	256QAM	8	7	18.05	18.16	18.01		
3	256QAM	15	0	17.95	18.21	18.16		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.55	20.58	20.55	22	0
1.4	QPSK	1	3	20.52	20.38	20.25		
1.4	QPSK	1	5	20.23	20.45	20.22		
1.4	QPSK	3	0	20.54	20.54	20.12		
1.4	QPSK	3	1	20.39	20.21	20.50		
1.4	QPSK	3	3	20.43	20.12	20.52		
1.4	QPSK	6	0	20.47	20.38	20.36	22	0
1.4	16QAM	1	0	20.43	20.31	20.30	22	0
1.4	16QAM	1	3	20.21	20.11	20.12		
1.4	16QAM	1	5	20.56	20.42	20.06		
1.4	16QAM	3	0	20.28	20.07	20.52		
1.4	16QAM	3	1	20.42	20.09	20.42		
1.4	16QAM	3	3	20.18	20.47	20.04		
1.4	16QAM	6	0	20.18	20.46	20.30	22	0
1.4	64QAM	1	0	20.15	20.35	20.31	22	0
1.4	64QAM	1	3	20.49	20.19	20.41		
1.4	64QAM	1	5	20.51	20.24	20.40		
1.4	64QAM	3	0	20.17	20.23	20.16		
1.4	64QAM	3	1	20.16	20.31	20.10		
1.4	64QAM	3	3	20.23	20.32	20.15		
1.4	64QAM	6	0	20.10	20.26	20.18	22	0
1.4	256QAM	1	0	18.19	18.37	18.20	20	2
1.4	256QAM	1	3	18.24	18.24	18.10		
1.4	256QAM	1	5	18.23	18.21	18.19		
1.4	256QAM	3	0	18.05	18.23	18.17		
1.4	256QAM	3	1	18.11	18.09	18.01		
1.4	256QAM	3	3	18.13	18.15	18.05		
1.4	256QAM	6	0	18.00	18.27	18.13	20	2

Band 38 Ant3 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.12	19.15	19.13	20.5	0
20	QPSK	1	49	18.85	19.01	18.74		
20	QPSK	1	99	18.86	19.01	18.80		
20	QPSK	50	0	18.81	19.01	18.99	20.5	0
20	QPSK	50	24	18.83	18.84	18.82		
20	QPSK	50	50	18.92	18.78	18.58		
20	QPSK	100	0	18.83	19.00	18.70		
20	16QAM	1	0	18.78	18.65	18.90	20.5	0
20	16QAM	1	49	18.56	18.63	18.84		
20	16QAM	1	99	19.10	18.88	18.89		
20	16QAM	50	0	18.78	18.80	18.99	20.5	0
20	16QAM	50	24	18.76	19.03	18.59		
20	16QAM	50	50	18.50	18.71	18.81		
20	16QAM	100	0	18.75	18.95	19.07		
20	64QAM	1	0	18.53	18.98	18.90	20.5	0
20	64QAM	1	49	18.79	18.80	18.71		
20	64QAM	1	99	18.93	18.90	18.96		
20	64QAM	50	0	18.80	18.91	18.80	20.5	0
20	64QAM	50	24	18.58	18.61	18.91		
20	64QAM	50	50	18.85	18.59	18.56		
20	64QAM	100	0	18.62	18.79	19.08		
20	256QAM	1	0	18.36	18.45	18.23	20	0.5
20	256QAM	1	49	18.36	18.34	18.23		
20	256QAM	1	99	18.29	18.35	18.22		
20	256QAM	50	0	18.18	18.27	18.22	20	0.5
20	256QAM	50	24	18.12	18.20	18.17		
20	256QAM	50	50	18.20	18.22	18.19		
20	256QAM	100	0	18.16	18.32	18.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.86	19.05	19.02	20.5	0
15	QPSK	1	37	18.86	18.89	18.66		
15	QPSK	1	74	18.94	19.02	18.81		
15	QPSK	36	0	18.63	19.03	19.00	20.5	0
15	QPSK	36	20	18.50	18.95	18.80		
15	QPSK	36	39	18.71	18.72	18.76		
15	QPSK	75	0	18.96	18.68	18.80		
15	16QAM	1	0	18.82	18.79	18.88	20.5	0
15	16QAM	1	37	18.65	18.58	18.99		
15	16QAM	1	74	18.89	18.91	18.83		
15	16QAM	36	0	18.97	18.77	19.13	20.5	0
15	16QAM	36	20	18.85	18.95	18.99		
15	16QAM	36	39	19.12	18.66	18.76		
15	16QAM	75	0	18.70	19.04	18.96		
15	64QAM	1	0	18.66	19.01	18.98	20.5	0
15	64QAM	1	37	18.73	18.78	18.88		
15	64QAM	1	74	18.79	18.95	18.79		
15	64QAM	36	0	18.91	18.90	18.78	20.5	0
15	64QAM	36	20	18.75	18.61	18.86		
15	64QAM	36	39	18.82	18.68	18.50		
15	64QAM	75	0	18.54	18.80	18.95		
15	256QAM	1	0	18.30	18.31	18.11	20	0.5
15	256QAM	1	37	18.29	18.30	18.16		
15	256QAM	1	74	18.19	18.22	18.14		
15	256QAM	36	0	18.14	18.14	18.12	20	0.5
15	256QAM	36	20	18.08	18.16	18.10		
15	256QAM	36	39	18.19	18.08	18.14		
15	256QAM	75	0	18.04	18.26	18.19		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.95	19.03	18.94	20.5	0
10	QPSK	1	25	18.85	18.85	18.62		
10	QPSK	1	49	18.83	18.84	18.75		
10	QPSK	25	0	18.71	18.97	18.86	20.5	0
10	QPSK	25	12	18.95	18.84	18.90		
10	QPSK	25	25	18.93	18.71	18.74		
10	QPSK	50	0	18.94	18.67	18.66		
10	16QAM	1	0	18.70	18.82	18.80	20.5	0
10	16QAM	1	25	18.51	18.63	18.98		
10	16QAM	1	49	19.04	18.85	18.78		
10	16QAM	25	0	18.89	18.88	19.08	20.5	0
10	16QAM	25	12	18.67	18.88	18.55		
10	16QAM	25	25	18.51	18.73	18.78		
10	16QAM	50	0	18.62	19.09	18.92		
10	64QAM	1	0	18.59	18.87	18.87	20.5	0
10	64QAM	1	25	18.80	18.80	18.87		
10	64QAM	1	49	18.80	18.83	18.84		
10	64QAM	25	0	18.91	18.86	18.60	20.5	0
10	64QAM	25	12	18.59	18.74	18.80		
10	64QAM	25	25	18.83	19.01	18.50		
10	64QAM	50	0	18.60	18.79	19.06		
10	256QAM	1	0	18.23	18.35	18.17	20	0.5
10	256QAM	1	25	18.25	18.25	18.11		
10	256QAM	1	49	18.18	18.26	18.16		
10	256QAM	25	0	18.11	18.23	18.14	20	0.5
10	256QAM	25	12	18.08	18.12	18.10		
10	256QAM	25	25	18.16	18.17	18.08		
10	256QAM	50	0	18.11	18.28	18.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.77	19.14	18.95	20.5	0
5	QPSK	1	12	18.98	18.87	18.80		
5	QPSK	1	24	18.82	18.80	18.69		
5	QPSK	12	0	18.80	18.92	18.84	20.5	0
5	QPSK	12	7	18.54	18.94	18.98		
5	QPSK	12	13	18.74	18.66	18.68		
5	QPSK	25	0	18.56	18.67	18.77		
5	16QAM	1	0	18.86	18.76	18.99	20.5	0
5	16QAM	1	12	18.54	19.03	18.86		
5	16QAM	1	24	18.96	18.79	18.72		
5	16QAM	12	0	18.84	18.79	19.14	20.5	0
5	16QAM	12	7	18.84	18.92	18.93		
5	16QAM	12	13	18.54	18.80	18.72		
5	16QAM	25	0	18.74	18.93	19.11		
5	64QAM	1	0	19.05	18.84	19.03	20.5	0
5	64QAM	1	12	18.86	18.74	18.90		
5	64QAM	1	24	18.89	18.91	18.87		
5	64QAM	12	0	18.91	18.85	18.65	20.5	0
5	64QAM	12	7	18.68	18.68	18.91		
5	64QAM	12	13	18.80	18.54	18.52		
5	64QAM	25	0	18.67	18.84	18.91		
5	256QAM	1	0	18.32	18.35	18.15	20	0.5
5	256QAM	1	12	18.31	18.31	18.18		
5	256QAM	1	24	18.23	18.32	18.19		
5	256QAM	12	0	18.12	18.15	18.14	20	0.5
5	256QAM	12	7	18.04	18.18	18.07		
5	256QAM	12	13	18.10	18.09	18.12		
5	256QAM	25	0	18.02	18.20	18.21		

Band 41 Ant3 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.78	18.99	19.17	19.05	19.11	20.5	0
20	QPSK	1	49	19.02	18.96	18.69	18.70	18.87		
20	QPSK	1	99	18.97	18.85	18.89	18.84	18.99		
20	QPSK	50	0	18.76	18.87	19.15	18.95	18.92	20.5	0
20	QPSK	50	24	19.01	19.06	18.82	18.83	18.92		
20	QPSK	50	50	18.80	18.77	18.72	18.77	18.72		
20	QPSK	100	0	19.10	18.79	19.13	18.70	18.88		
20	16QAM	1	0	18.86	18.69	18.85	19.01	18.68	20.5	0
20	16QAM	1	49	18.56	18.50	18.80	18.96	18.67		
20	16QAM	1	99	19.02	18.94	18.77	18.76	18.96		
20	16QAM	50	0	18.97	18.82	19.03	19.10	18.80	20.5	0
20	16QAM	50	24	18.84	18.91	18.51	19.00	19.01		
20	16QAM	50	50	19.02	18.72	18.82	18.83	18.76		
20	16QAM	100	0	18.83	18.93	18.91	18.91	18.99		
20	64QAM	1	0	18.52	18.93	19.00	18.98	19.01	20.5	0
20	64QAM	1	49	18.88	18.64	18.77	18.86	18.73		
20	64QAM	1	99	18.90	18.91	18.84	18.77	18.93		
20	64QAM	50	0	18.97	18.86	18.80	18.75	18.94	20.5	0
20	64QAM	50	24	18.76	18.68	18.87	18.87	18.63		
20	64QAM	50	50	18.88	18.61	18.99	18.99	18.51		
20	64QAM	100	0	18.56	18.70	18.98	18.98	18.90		
20	256QAM	1	0	18.27	18.41	18.54	18.34	18.25	20	0.5
20	256QAM	1	49	18.25	18.46	18.39	18.34	18.31		
20	256QAM	1	99	18.14	18.40	18.46	18.27	18.15		
20	256QAM	50	0	18.27	18.22	18.32	18.31	18.23	20	0.5
20	256QAM	50	24	18.24	18.19	18.24	18.28	18.21		
20	256QAM	50	50	18.16	18.30	18.27	18.20	18.11		
20	256QAM	100	0	18.30	18.17	18.32	18.36	18.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.80	19.16	19.03	19.16	19.04	21	0
15	QPSK	1	37	18.82	18.82	18.64	18.65	18.84		
15	QPSK	1	74	18.93	19.02	18.87	18.84	18.83		
15	QPSK	36	0	18.83	18.93	18.83	18.99	18.92	20.5	0
15	QPSK	36	20	19.06	18.91	18.85	18.94	18.97		
15	QPSK	36	39	18.72	18.57	18.69	18.71	18.75		
15	QPSK	75	0	18.52	18.77	18.67	18.59	18.79		
15	16QAM	1	0	18.79	18.66	18.90	18.92	18.66	20.5	0
15	16QAM	1	37	18.56	18.68	18.84	18.88	18.64		
15	16QAM	1	74	18.99	18.91	18.83	18.73	18.95		
15	16QAM	36	0	18.91	18.87	19.13	19.02	18.68	20.5	0
15	16QAM	36	20	18.76	18.86	19.09	19.07	19.08		
15	16QAM	36	39	18.56	18.82	18.72	18.91	18.77		
15	16QAM	75	0	18.75	19.10	18.92	18.99	19.01		
15	64QAM	1	0	18.62	18.96	19.06	18.97	18.88	20.5	0
15	64QAM	1	37	18.84	18.64	18.82	18.86	18.72		
15	64QAM	1	74	18.88	18.77	18.98	18.95	18.80		
15	64QAM	36	0	18.93	18.85	18.64	18.76	18.96	20.5	0
15	64QAM	36	20	18.69	18.75	18.90	18.87	18.68		
15	64QAM	36	39	18.85	18.60	18.57	18.58	18.57		
15	64QAM	75	0	18.75	18.85	19.02	18.98	18.69		
15	256QAM	1	0	18.20	18.33	18.50	18.28	18.19	20	0.5
15	256QAM	1	37	18.13	18.42	18.24	18.28	18.20		
15	256QAM	1	74	18.10	18.32	18.41	18.18	18.10		
15	256QAM	36	0	18.21	18.12	18.25	18.24	18.13	20	0.5
15	256QAM	36	20	18.12	18.09	18.16	18.21	18.12		
15	256QAM	36	39	18.01	18.20	18.22	18.06	18.08		
15	256QAM	75	0	18.23	18.13	18.22	18.33	18.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.79	19.12	19.06	18.99	19.12	21	0
10	QPSK	1	25	18.90	18.87	18.67	18.76	18.93		
10	QPSK	1	49	18.84	18.87	18.88	18.69	18.86		
10	QPSK	25	0	18.75	18.97	18.94	18.90	19.05	20.5	0
10	QPSK	25	12	19.09	18.93	18.84	18.78	19.01		
10	QPSK	25	25	18.85	18.69	18.69	18.72	18.75		
10	QPSK	50	0	18.65	18.88	18.58	18.68	18.75		
10	16QAM	1	0	18.66	18.76	18.87	18.88	18.66	20.5	0
10	16QAM	1	25	18.94	18.52	19.03	18.88	19.01		
10	16QAM	1	49	18.87	18.84	18.70	18.79	18.89		
10	16QAM	25	0	18.80	18.77	19.05	19.01	18.78	20.5	0
10	16QAM	25	12	18.78	18.97	19.01	19.02	18.89		
10	16QAM	25	25	19.08	18.86	18.86	18.79	18.68		
10	16QAM	50	0	18.74	18.97	19.04	18.92	18.94		
10	64QAM	1	0	18.93	19.01	18.88	19.06	18.90	20.5	0
10	64QAM	1	25	18.91	18.81	18.72	18.76	18.83		
10	64QAM	1	49	18.89	18.94	18.86	18.89	18.98		
10	64QAM	25	0	18.95	18.97	18.69	18.78	18.92	20.5	0
10	64QAM	25	12	18.55	18.76	18.78	18.96	18.56		
10	64QAM	25	25	18.88	18.64	19.05	19.13	18.51		
10	64QAM	50	0	18.59	18.73	18.90	19.02	18.88		
10	256QAM	1	0	18.22	18.30	18.47	18.24	18.10	20	0.5
10	256QAM	1	25	18.12	18.31	18.31	18.29	18.24		
10	256QAM	1	49	18.01	18.33	18.40	18.14	18.06		
10	256QAM	25	0	18.21	18.15	18.21	18.22	18.11	20	0.5
10	256QAM	25	12	18.14	18.15	18.12	18.23	18.09		
10	256QAM	25	25	18.09	18.16	18.17	18.09	18.04		
10	256QAM	50	0	18.17	18.08	18.19	18.23	18.22		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.85	18.99	19.16	18.96	19.00	21	0
5	QPSK	1	12	18.98	18.99	18.65	18.69	19.00		
5	QPSK	1	24	18.86	18.91	18.88	18.75	18.99		
5	QPSK	12	0	18.84	18.96	18.84	18.79	18.94	20.5	0
5	QPSK	12	7	18.58	19.03	18.77	18.97	18.92		
5	QPSK	12	13	18.71	18.71	18.78	18.79	18.61		
5	QPSK	25	0	19.03	18.81	18.80	18.69	18.67		
5	16QAM	1	0	18.81	18.70	18.89	18.91	18.83	20.5	0
5	16QAM	1	12	18.94	19.05	18.84	18.86	18.55		
5	16QAM	1	24	19.10	18.91	18.89	18.75	18.96		
5	16QAM	12	0	18.77	18.71	18.95	19.01	18.64	20.5	0
5	16QAM	12	7	18.79	19.02	19.05	18.61	18.98		
5	16QAM	12	13	18.66	18.74	18.72	18.80	18.66		
5	16QAM	25	0	18.80	18.98	19.01	19.03	19.06		
5	64QAM	1	0	19.00	18.92	18.84	18.97	19.03	20.5	0
5	64QAM	1	12	18.92	18.81	18.78	18.76	18.62		
5	64QAM	1	24	18.86	18.81	18.93	18.97	18.82		
5	64QAM	12	0	18.78	18.85	18.82	18.75	18.96	20.5	0
5	64QAM	12	7	18.57	18.65	18.82	18.95	18.69		
5	64QAM	12	13	18.79	18.58	18.56	18.62	18.62		
5	64QAM	25	0	18.59	18.78	18.90	18.94	18.88		
5	256QAM	1	0	18.21	18.27	18.46	18.29	18.11	20	0.5
5	256QAM	1	12	18.13	18.42	18.36	18.28	18.27		
5	256QAM	1	24	18.06	18.33	18.32	18.15	18.02		
5	256QAM	12	0	18.21	18.09	18.21	18.16	18.13	20	0.5
5	256QAM	12	7	18.19	18.09	18.11	18.25	18.09		
5	256QAM	12	13	18.12	18.21	18.14	18.12	18.05		
5	256QAM	25	0	18.16	18.03	18.28	18.21	18.15		

Band 42 Ant7 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.97	18.24	18.09	19.5	0
20	QPSK	1	49	18.07	17.98	18.18		
20	QPSK	1	99	18.02	18.02	17.81		
20	QPSK	50	0	18.12	18.16	17.95	19.5	0
20	QPSK	50	24	18.15	18.12	17.94		
20	QPSK	50	50	18.08	17.67	17.66		
20	QPSK	100	0	17.94	18.14	17.89		
20	16QAM	1	0	17.87	18.15	18.19	19.5	0
20	16QAM	1	49	18.17	18.06	18.15		
20	16QAM	1	99	17.79	17.95	17.80		
20	16QAM	50	0	17.83	17.89	17.97	19.5	0
20	16QAM	50	24	17.92	18.06	18.13		
20	16QAM	50	50	17.99	18.07	18.10		
20	16QAM	100	0	18.04	18.12	18.10		
20	64QAM	1	0	18.19	18.09	18.07	19.5	0
20	64QAM	1	49	18.11	18.20	18.05		
20	64QAM	1	99	18.08	17.86	17.91		
20	64QAM	50	0	17.88	17.94	17.95	19.5	0
20	64QAM	50	24	18.12	18.12	17.75		
20	64QAM	50	50	18.19	17.94	18.02		
20	64QAM	100	0	18.03	18.11	17.92		
20	256QAM	1	0	18.21	18.03	18.03	19.5	0
20	256QAM	1	49	18.11	17.87	17.97		
20	256QAM	1	99	18.08	17.95	17.97		
20	256QAM	50	0	17.99	18.10	18.23	19.5	0
20	256QAM	50	24	17.89	17.75	18.11		
20	256QAM	50	50	17.93	17.99	18.01		
20	256QAM	100	0	17.95	18.16	18.02		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.08	18.15	17.97	19.5	0
15	QPSK	1	37	18.00	18.10	18.07		
15	QPSK	1	74	17.91	17.99	17.93		
15	QPSK	36	0	18.09	18.21	18.02	19.5	0
15	QPSK	36	20	18.02	17.91	18.03		
15	QPSK	36	39	17.87	17.55	17.76		
15	QPSK	75	0	18.10	18.08	18.22		
15	16QAM	1	0	17.87	17.98	18.11	19.5	0
15	16QAM	1	37	18.06	18.02	18.09		
15	16QAM	1	74	17.92	18.01	17.82		
15	16QAM	36	0	17.91	18.00	18.00	19.5	0
15	16QAM	36	20	17.84	18.13	18.13		
15	16QAM	36	39	17.95	17.97	17.92		
15	16QAM	75	0	18.08	18.11	18.14		
15	64QAM	1	0	18.07	18.19	18.18	19.5	0
15	64QAM	1	37	18.16	18.01	18.15		
15	64QAM	1	74	18.00	17.94	18.14		
15	64QAM	36	0	18.02	17.93	18.04	19.5	0
15	64QAM	36	20	18.02	18.18	17.97		
15	64QAM	36	39	18.07	17.96	18.16		
15	64QAM	75	0	18.11	18.03	18.22		
15	256QAM	1	0	17.99	18.15	17.95	19.5	0
15	256QAM	1	37	18.11	17.73	17.95		
15	256QAM	1	74	18.11	18.02	17.95		
15	256QAM	36	0	18.00	18.07	18.17	19.5	0
15	256QAM	36	20	17.99	17.71	18.01		
15	256QAM	36	39	17.92	17.93	17.85		
15	256QAM	75	0	17.98	18.18	17.99		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.04	18.07	18.11	19.5	0
10	QPSK	1	25	18.10	18.08	18.11		
10	QPSK	1	49	17.92	18.04	17.84		
10	QPSK	25	0	18.18	18.14	17.97	19.5	0
10	QPSK	25	12	18.18	18.10	17.98		
10	QPSK	25	25	18.01	17.77	17.82		
10	QPSK	50	0	18.04	18.19	17.84		
10	16QAM	1	0	17.90	18.02	18.19	19.5	0
10	16QAM	1	25	18.19	18.11	18.07		
10	16QAM	1	49	17.99	18.02	17.85		
10	16QAM	25	0	17.91	18.00	17.94	19.5	0
10	16QAM	25	12	17.75	17.93	18.19		
10	16QAM	25	25	17.97	17.97	18.03		
10	16QAM	50	0	18.01	18.17	18.13		
10	64QAM	1	0	18.09	17.98	18.20	19.5	0
10	64QAM	1	25	18.14	18.17	17.94		
10	64QAM	1	49	18.11	17.90	18.05		
10	64QAM	25	0	17.83	17.92	18.11	19.5	0
10	64QAM	25	12	18.10	18.13	17.85		
10	64QAM	25	25	18.09	18.22	17.92		
10	64QAM	50	0	17.94	18.20	17.93		
10	256QAM	1	0	18.17	18.02	18.05	19.5	0
10	256QAM	1	25	18.20	17.90	18.04		
10	256QAM	1	49	18.05	18.10	18.07		
10	256QAM	25	0	18.13	17.93	18.08	19.5	0
10	256QAM	25	12	17.86	17.70	18.06		
10	256QAM	25	25	18.00	17.98	17.83		
10	256QAM	50	0	18.06	18.14	17.96		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.99	18.05	18.21	19.5	0
5	QPSK	1	12	18.13	17.98	18.09		
5	QPSK	1	24	17.95	17.99	17.92		
5	QPSK	12	0	18.02	18.00	18.11	19.5	0
5	QPSK	12	7	18.10	17.99	17.95		
5	QPSK	12	13	17.98	17.72	17.68		
5	QPSK	25	0	18.13	18.19	18.06		
5	16QAM	1	0	18.03	18.12	18.10	19.5	0
5	16QAM	1	12	18.15	17.94	18.14		
5	16QAM	1	24	17.97	18.01	17.84		
5	16QAM	12	0	17.96	18.09	18.11	19.5	0
5	16QAM	12	7	17.83	17.99	18.13		
5	16QAM	12	13	17.90	18.02	18.08		
5	16QAM	25	0	18.11	17.98	18.16		
5	64QAM	1	0	18.17	18.14	17.96	19.5	0
5	64QAM	1	12	18.18	18.20	18.14		
5	64QAM	1	24	18.16	18.04	17.91		
5	64QAM	12	0	18.02	17.80	18.13	19.5	0
5	64QAM	12	7	18.06	18.22	17.80		
5	64QAM	12	13	18.15	18.15	17.88		
5	64QAM	25	0	17.94	18.19	17.96		
5	256QAM	1	0	18.11	18.02	17.89	19.5	0
5	256QAM	1	12	18.18	17.89	18.01		
5	256QAM	1	24	18.13	18.01	18.00		
5	256QAM	12	0	18.08	17.92	18.01	19.5	0
5	256QAM	12	7	18.00	17.64	18.08		
5	256QAM	12	13	18.03	17.87	17.82		
5	256QAM	25	0	18.01	18.12	17.89		

Band 48 Ant7 DSI3 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.33	18.57	18.16	18.38	20	0
20	QPSK	1	49	18.33	18.24	18.41	18.23		
20	QPSK	1	99	18.33	18.19	18.20	18.15		
20	QPSK	50	0	18.11	18.47	18.28	18.27	20	0
20	QPSK	50	24	18.41	18.21	18.11	18.15		
20	QPSK	50	50	18.13	18.26	18.08	18.19		
20	QPSK	100	0	18.36	18.51	18.25	18.26		
20	16QAM	1	0	18.09	18.11	18.38	18.56	20	0
20	16QAM	1	49	18.26	18.52	18.13	18.22		
20	16QAM	1	99	18.14	18.21	18.09	18.24		
20	16QAM	50	0	18.09	18.21	18.23	18.40	20	0
20	16QAM	50	24	18.04	18.36	18.29	18.34		
20	16QAM	50	50	18.00	18.42	18.11	18.19		
20	16QAM	100	0	18.38	18.22	18.22	18.18		
20	64QAM	1	0	18.34	18.17	18.39	18.49	20	0
20	64QAM	1	49	18.29	18.42	18.14	18.37		
20	64QAM	1	99	18.41	18.23	18.14	18.21		
20	64QAM	50	0	18.21	18.27	18.26	18.23	20	0
20	64QAM	50	24	18.34	18.49	18.12	18.21		
20	64QAM	50	50	18.48	18.26	18.21	18.30		
20	64QAM	100	0	18.37	18.48	18.26	18.19		
20	256QAM	1	0	17.50	17.74	17.54	17.78	19.5	0.5
20	256QAM	1	49	17.57	17.78	17.78	17.72		
20	256QAM	1	99	17.53	17.72	17.50	17.77		
20	256QAM	50	0	17.76	17.88	17.66	17.87	19.5	0.5
20	256QAM	50	24	17.78	17.87	17.53	17.85		
20	256QAM	50	50	17.51	17.87	17.56	17.74		
20	256QAM	100	0	17.50	17.83	17.70	17.87		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.28	18.40	18.19	18.24	20	0
15	QPSK	1	37	18.43	18.26	18.41	18.34		
15	QPSK	1	74	18.20	18.21	18.25	18.11		
15	QPSK	36	0	18.24	18.45	18.26	18.42	20	0
15	QPSK	36	20	18.36	18.24	18.20	18.15		
15	QPSK	36	39	18.25	18.42	18.00	18.35		
15	QPSK	75	0	18.45	18.50	18.11	18.22		
15	16QAM	1	0	18.25	18.28	18.44	18.44	20	0
15	16QAM	1	37	18.36	18.51	18.08	18.22		
15	16QAM	1	74	18.24	18.24	18.13	18.20		
15	16QAM	36	0	18.14	18.11	18.27	18.32	20	0
15	16QAM	36	20	18.05	18.25	18.31	18.17		
15	16QAM	36	39	18.08	18.28	18.03	18.15		
15	16QAM	75	0	18.36	18.34	18.21	18.18		
15	64QAM	1	0	18.51	18.33	18.28	18.38	20	0
15	64QAM	1	37	18.47	18.38	18.26	18.26		
15	64QAM	1	74	18.37	18.23	18.19	18.05		
15	64QAM	36	0	18.10	18.10	18.12	18.21	20	0
15	64QAM	36	20	18.17	18.50	18.11	18.11		
15	64QAM	36	39	18.30	18.22	18.28	18.19		
15	64QAM	75	0	18.26	18.48	18.39	18.20		
15	256QAM	1	0	17.71	17.60	17.77	17.65	19.5	0.5
15	256QAM	1	37	17.63	17.57	17.98	17.61		
15	256QAM	1	74	17.58	17.55	17.50	17.67		
15	256QAM	36	0	17.96	17.69	17.67	17.74	19.5	0.5
15	256QAM	36	20	17.88	17.65	17.67	17.75		
15	256QAM	36	39	17.59	17.67	17.57	17.65		
15	256QAM	75	0	17.66	17.78	17.95	17.67		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.26	18.48	18.20	18.29	20	0
10	QPSK	1	25	18.49	18.33	18.27	18.35		
10	QPSK	1	49	18.17	18.27	18.14	18.11		
10	QPSK	25	0	18.23	18.47	18.14	18.46	20	0
10	QPSK	25	12	18.52	18.27	18.16	18.05		
10	QPSK	25	25	18.22	18.30	18.16	18.13		
10	QPSK	50	0	18.41	18.46	18.28	18.24		
10	16QAM	1	0	18.15	18.25	18.51	18.34	20	0
10	16QAM	1	25	18.27	18.47	18.15	18.21		
10	16QAM	1	49	18.03	18.17	18.17	18.10		
10	16QAM	25	0	18.18	18.29	18.32	18.26	20	0
10	16QAM	25	12	18.08	18.44	18.47	18.35		
10	16QAM	25	25	18.03	18.25	18.04	18.28		
10	16QAM	50	0	18.40	18.27	18.31	18.24		
10	64QAM	1	0	18.37	18.32	18.40	18.35	20	0
10	64QAM	1	25	18.39	18.36	18.28	18.23		
10	64QAM	1	49	18.41	18.25	18.28	18.13		
10	64QAM	25	0	18.10	18.13	18.23	18.31	20	0
10	64QAM	25	12	18.20	18.38	18.06	18.13		
10	64QAM	25	25	18.43	18.21	18.08	18.17		
10	64QAM	50	0	18.42	18.48	18.18	18.34		
10	256QAM	1	0	17.50	17.77	17.52	17.70	19.5	0.5
10	256QAM	1	25	17.69	17.80	18.02	17.57		
10	256QAM	1	49	17.68	17.50	17.60	17.69		
10	256QAM	25	0	17.97	17.88	17.71	17.78	19.5	0.5
10	256QAM	25	12	17.90	17.73	17.61	17.69		
10	256QAM	25	25	17.71	17.70	17.69	17.59		
10	256QAM	50	0	17.64	17.60	17.87	17.67		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.18	18.53	18.29	18.30	20	0
5	QPSK	1	12	18.45	18.29	18.39	18.20		
5	QPSK	1	24	18.17	18.30	18.30	18.24		
5	QPSK	12	0	18.24	18.54	18.21	18.45	20	0
5	QPSK	12	7	18.28	18.18	18.23	18.21		
5	QPSK	12	13	18.16	18.35	18.22	18.32		
5	QPSK	25	0	18.31	18.48	18.17	18.23		
5	16QAM	1	0	18.25	18.16	18.44	18.45	20	0
5	16QAM	1	12	18.22	18.44	18.13	18.07		
5	16QAM	1	24	18.22	18.18	18.00	18.25		
5	16QAM	12	0	18.21	18.11	18.32	18.39	20	0
5	16QAM	12	7	18.03	18.40	18.39	18.20		
5	16QAM	12	13	18.02	18.27	18.19	18.16		
5	16QAM	25	0	18.45	18.35	18.24	18.10		
5	64QAM	1	0	18.48	18.32	18.41	18.49	20	0
5	64QAM	1	12	18.39	18.40	18.25	18.33		
5	64QAM	1	24	18.45	18.10	18.32	18.15		
5	64QAM	12	0	18.12	18.09	18.23	18.23	20	0
5	64QAM	12	7	18.21	18.33	18.14	18.18		
5	64QAM	12	13	18.29	18.39	18.27	18.32		
5	64QAM	25	0	18.35	18.46	18.16	18.30		
5	256QAM	1	0	17.56	17.52	17.73	17.72	19.5	0.5
5	256QAM	1	12	17.69	17.74	17.77	17.55		
5	256QAM	1	24	17.73	17.65	17.51	17.69		
5	256QAM	12	0	17.88	17.85	17.64	17.72	19.5	0.5
5	256QAM	12	7	17.79	17.60	17.72	17.76		
5	256QAM	12	13	17.70	17.60	17.83	17.61		
5	256QAM	25	0	17.55	17.92	17.77	17.74		

Reduced Power SA Mode for DSI4

Band 7 Ant2 DSI4 Main PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.46	22.55	22.48	23.5	0
20	QPSK	1	49	22.30	22.45	22.42		
20	QPSK	1	99	22.21	22.38	22.33		
20	QPSK	50	0	22.23	22.31	22.18	23.5	0
20	QPSK	50	24	22.23	22.26	22.15		
20	QPSK	50	50	22.16	22.19	21.99		
20	QPSK	100	0	22.05	22.22	22.08		
20	16QAM	1	0	22.36	22.49	22.51	23.5	0
20	16QAM	1	49	22.30	22.41	22.41		
20	16QAM	1	99	22.37	22.42	22.32		
20	16QAM	50	0	22.13	22.14	22.11	23.5	0
20	16QAM	50	24	21.99	22.09	21.98		
20	16QAM	50	50	22.07	22.09	22.04		
20	16QAM	100	0	21.96	22.10	22.10		
20	64QAM	1	0	22.27	22.40	22.19	23.5	0
20	64QAM	1	49	22.23	22.34	22.29		
20	64QAM	1	99	22.16	22.21	22.17		
20	64QAM	50	0	21.17	21.20	21.14	22.5	1
20	64QAM	50	24	21.09	21.17	21.05		
20	64QAM	50	50	21.10	21.24	21.09		
20	64QAM	100	0	21.17	21.26	21.17		
20	256QAM	1	0	19.24	19.28	19.26	20.5	3
20	256QAM	1	49	19.17	19.28	19.20		
20	256QAM	1	99	19.02	19.19	19.09		
20	256QAM	50	0	19.14	19.19	19.12	20.5	3
20	256QAM	50	24	19.05	19.07	19.03		
20	256QAM	50	50	19.03	19.18	19.08		
20	256QAM	100	0	19.03	19.20	19.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.49	22.53	22.38	23.5	0
15	QPSK	1	37	22.25	22.43	22.37		
15	QPSK	1	74	22.24	22.39	22.27		
15	QPSK	36	0	22.25	22.22	22.12	23.5	0
15	QPSK	36	20	22.17	22.25	22.12		
15	QPSK	36	39	22.19	22.18	21.94		
15	QPSK	75	0	22.07	22.24	22.05		
15	16QAM	1	0	22.32	22.48	22.46	23.5	0
15	16QAM	1	37	22.30	22.34	22.44		
15	16QAM	1	74	22.36	22.35	22.34		
15	16QAM	36	0	21.99	22.01	22.06	23.5	0
15	16QAM	36	20	21.94	21.97	21.89		
15	16QAM	36	39	22.03	21.99	22.01		
15	16QAM	75	0	21.88	22.00	21.99		
15	64QAM	1	0	22.17	22.28	22.14	23.5	0
15	64QAM	1	37	22.20	22.28	22.19		
15	64QAM	1	74	22.02	22.10	22.13		
15	64QAM	36	0	21.13	21.12	21.06	22.5	1
15	64QAM	36	20	21.01	21.02	21.01		
15	64QAM	36	39	21.04	21.15	20.95		
15	64QAM	75	0	21.09	21.14	21.06		
15	256QAM	1	0	19.14	19.14	19.17	20.5	3
15	256QAM	1	37	19.05	19.15	19.09		
15	256QAM	1	74	18.96	19.09	19.03		
15	256QAM	36	0	19.02	19.14	19.01	20.5	3
15	256QAM	36	20	18.94	18.98	18.99		
15	256QAM	36	39	18.97	19.15	19.05		
15	256QAM	75	0	18.94	19.13	18.98		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.49	22.53	22.34	23.5	0
10	QPSK	1	25	22.30	22.46	22.31		
10	QPSK	1	49	22.22	22.34	22.29		
10	QPSK	25	0	22.18	22.23	22.11	23.5	0
10	QPSK	25	12	22.15	22.25	22.10		
10	QPSK	25	25	22.11	22.15	22.01		
10	QPSK	50	0	22.07	22.19	22.09		
10	16QAM	1	0	22.37	22.48	22.52	23.5	0
10	16QAM	1	25	22.30	22.40	22.35		
10	16QAM	1	49	22.37	22.34	22.30		
10	16QAM	25	0	22.06	22.09	22.02	23.5	0
10	16QAM	25	12	21.85	21.95	21.89		
10	16QAM	25	25	22.04	22.01	21.89		
10	16QAM	50	0	21.85	22.02	22.05		
10	64QAM	1	0	22.14	22.30	22.11	23.5	0
10	64QAM	1	25	22.16	22.24	22.26		
10	64QAM	1	49	22.04	22.13	22.13		
10	64QAM	25	0	21.02	21.07	21.07	22.5	1
10	64QAM	25	12	20.95	21.11	20.91		
10	64QAM	25	25	21.06	21.14	20.96		
10	64QAM	50	0	21.10	21.20	21.09		
10	256QAM	1	0	19.19	19.20	19.22	20.5	3
10	256QAM	1	25	19.13	19.23	19.12		
10	256QAM	1	49	18.92	19.13	18.95		
10	256QAM	25	0	19.07	19.08	19.07	20.5	3
10	256QAM	25	12	18.96	18.97	18.93		
10	256QAM	25	25	18.90	19.15	19.00		
10	256QAM	50	0	18.95	19.17	19.03		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.43	22.52	22.44	23.5	0
5	QPSK	1	12	22.31	22.46	22.43		
5	QPSK	1	24	22.20	22.38	22.33		
5	QPSK	12	0	22.19	22.34	22.13	23.5	0
5	QPSK	12	7	22.25	22.18	22.11		
5	QPSK	12	13	22.17	22.21	21.90		
5	QPSK	25	0	21.99	22.13	22.04		
5	16QAM	1	0	22.30	22.47	22.43	23.5	0
5	16QAM	1	12	22.27	22.33	22.35		
5	16QAM	1	24	22.29	22.36	22.27		
5	16QAM	12	0	22.01	22.00	22.02	23.5	0
5	16QAM	12	7	21.90	21.96	21.90		
5	16QAM	12	13	21.97	22.04	21.96		
5	16QAM	25	0	21.89	22.02	21.99		
5	64QAM	1	0	22.15	22.33	22.15	23.5	0
5	64QAM	1	12	22.16	22.21	22.21		
5	64QAM	1	24	22.02	22.10	22.07		
5	64QAM	12	0	21.07	21.05	21.04	22.5	1
5	64QAM	12	7	21.00	21.11	20.93		
5	64QAM	12	13	21.04	21.13	20.96		
5	64QAM	25	0	21.14	21.22	21.11		
5	256QAM	1	0	19.20	19.24	19.12	20.5	3
5	256QAM	1	12	19.09	19.22	19.08		
5	256QAM	1	24	18.99	19.09	19.01		
5	256QAM	12	0	19.09	19.15	19.07	20.5	3
5	256QAM	12	7	18.97	19.01	18.92		
5	256QAM	12	13	18.94	19.10	18.96		
5	256QAM	25	0	18.96	19.10	18.99		

Reduced Power SA Mode for DSI4

GSM850 Ant0 DSI4

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.08	32.57	34.00	23.57	23.08	23.57	25.00
GPRS 1 Tx slot	32.54	32.11	32.45	34.00	23.54	23.11	23.45	25.00
GPRS 2 Tx slots	29.20	29.14	29.18	31.00	23.20	23.14	23.18	25.00
GPRS 3 Tx slots	27.86	27.48	27.46	29.20	23.60	23.22	23.20	24.94
GPRS 4 Tx slots	26.17	26.21	26.18	28.00	23.17	23.21	23.18	25.00
EDGE 1 Tx slot	26.13	26.16	26.11	27.50	17.13	17.16	17.11	18.50
EDGE 2 Tx slots	23.29	23.34	23.46	24.50	17.29	17.34	17.46	18.50
EDGE 3 Tx slots	21.63	21.44	21.61	22.70	17.37	17.18	17.35	18.44
EDGE 4 Tx slots	20.21	20.06	20.44	21.50	17.21	17.06	17.44	18.50

WCDMA V Ant0 DSI4

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.00	23.99	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.02	23.97	25.00
3GPP Rel 6	HSDPA Subtest-1	22.94	23.03	23.02	24.00
3GPP Rel 6	HSDPA Subtest-2	23.01	23.05	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.55	22.53	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.54	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.02	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	23.07	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.40	22.48	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.55	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.01	23.00	24.00
3GPP Rel 6	HSUPA Subtest-2	20.96	21.03	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	20.99	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.04	23.01	22.99	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.42	20.59	20.58	21.50

Band 5 Ant0 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.17	24.22	24.18	25.5	0
10	QPSK	1	25	24.06	24.13	24.05		
10	QPSK	1	49	24.11	24.20	24.14		
10	QPSK	25	0	23.11	23.19	23.14	24.5	1
10	QPSK	25	12	23.11	23.17	23.10		
10	QPSK	25	25	23.09	23.12	23.15		
10	QPSK	50	0	23.00	23.07	23.06		
10	16QAM	1	0	23.19	23.24	23.20	24.5	1
10	16QAM	1	25	23.34	23.34	23.33		
10	16QAM	1	49	23.10	23.17	23.10		
10	16QAM	25	0	22.13	22.21	22.21	23.5	2
10	16QAM	25	12	22.08	22.10	22.01		
10	16QAM	25	25	22.11	22.15	22.13		
10	16QAM	50	0	22.05	22.13	22.10		
10	64QAM	1	0	22.20	22.22	22.20	23.5	2
10	64QAM	1	25	22.18	22.24	22.26		
10	64QAM	1	49	22.08	22.15	22.12		
10	64QAM	25	0	21.13	21.16	21.18	22.5	3
10	64QAM	25	12	21.07	21.09	21.00		
10	64QAM	25	25	21.22	21.23	21.21		
10	64QAM	50	0	21.05	21.08	21.04		
10	256QAM	1	0	19.09	19.14	19.17	20.5	5
10	256QAM	1	25	19.17	19.21	19.16		
10	256QAM	1	49	19.04	19.08	19.08		
10	256QAM	25	0	19.14	19.21	19.16	20.5	5
10	256QAM	25	12	19.18	19.16	19.17		
10	256QAM	25	25	19.07	19.06	19.03		
10	256QAM	50	0	19.03	19.11	19.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.11	24.19	24.10	25.5	0
5	QPSK	1	12	23.98	24.11	24.00		
5	QPSK	1	24	24.02	24.16	24.14		
5	QPSK	12	0	23.08	23.22	23.09	24.5	1
5	QPSK	12	7	23.14	23.08	23.11		
5	QPSK	12	13	23.07	23.14	23.12		
5	QPSK	25	0	22.92	23.06	23.02		
5	16QAM	1	0	23.11	23.18	23.19	24.5	1
5	16QAM	1	12	23.25	23.36	23.35		
5	16QAM	1	24	23.10	23.14	23.12		
5	16QAM	12	0	22.15	22.22	22.20	23.5	2
5	16QAM	12	7	22.00	22.10	21.92		
5	16QAM	12	13	22.05	22.14	22.13		
5	16QAM	25	0	21.99	22.09	22.03		
5	64QAM	1	0	22.14	22.25	22.12	23.5	2
5	64QAM	1	12	22.18	22.25	22.23		
5	64QAM	1	24	22.10	22.17	22.08		
5	64QAM	12	0	21.05	21.14	21.16	22.5	3
5	64QAM	12	7	21.09	21.05	20.99		
5	64QAM	12	13	21.17	21.25	21.20		
5	64QAM	25	0	20.98	21.09	21.04		
5	256QAM	1	0	19.01	19.13	19.14	20.5	5
5	256QAM	1	12	19.13	19.15	19.16		
5	256QAM	1	24	18.98	19.00	19.01		
5	256QAM	12	0	19.06	19.22	19.13	20.5	5
5	256QAM	12	7	19.13	19.15	19.19		
5	256QAM	12	13	19.00	19.04	19.06		
5	256QAM	25	0	19.00	19.10	19.01		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.16	24.12	25.5	0
3	QPSK	1	8	23.98	24.14	24.00		
3	QPSK	1	14	24.14	24.18	24.09		
3	QPSK	8	0	23.13	23.14	23.05	24.5	1
3	QPSK	8	4	23.04	23.14	23.04		
3	QPSK	8	7	23.11	23.12	23.07		
3	QPSK	15	0	22.98	23.02	23.00		
3	16QAM	1	0	23.20	23.25	23.18	24.5	1
3	16QAM	1	8	23.34	23.34	23.34		
3	16QAM	1	14	23.03	23.17	23.12		
3	16QAM	8	0	22.11	22.15	22.14	23.5	2
3	16QAM	8	4	22.05	22.07	21.99		
3	16QAM	8	7	22.04	22.09	22.08		
3	16QAM	15	0	22.00	22.04	22.02		
3	64QAM	1	0	22.15	22.16	22.16	23.5	2
3	64QAM	1	8	22.12	22.23	22.25		
3	64QAM	1	14	21.99	22.16	22.12		
3	64QAM	8	0	21.14	21.13	21.20	22.5	3
3	64QAM	8	4	21.04	21.12	20.98		
3	64QAM	8	7	21.24	21.15	21.24		
3	64QAM	15	0	21.07	21.03	20.96		
3	256QAM	1	0	19.12	19.10	19.19	20.5	5
3	256QAM	1	8	19.15	19.19	19.16		
3	256QAM	1	14	19.00	19.04	19.08		
3	256QAM	8	0	19.16	19.15	19.17	20.5	5
3	256QAM	8	4	19.14	19.13	19.13		
3	256QAM	8	7	19.01	19.03	19.02		
3	256QAM	15	0	19.05	19.14	19.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.15	24.16	24.21	25.5	0
1.4	QPSK	1	3	24.06	24.13	24.02		
1.4	QPSK	1	5	24.03	24.17	24.10		
1.4	QPSK	3	0	24.10	24.13	24.15		
1.4	QPSK	3	1	24.07	24.05	24.07		
1.4	QPSK	3	3	24.04	24.20	24.11		
1.4	QPSK	6	0	23.03	23.16	23.08	24.5	1
1.4	16QAM	1	0	23.11	23.15	23.03	24.5	1
1.4	16QAM	1	3	23.09	23.09	23.10		
1.4	16QAM	1	5	22.97	23.02	23.04		
1.4	16QAM	3	0	23.12	23.24	23.20		
1.4	16QAM	3	1	23.28	23.27	23.24		
1.4	16QAM	3	3	23.04	23.10	23.12		
1.4	16QAM	6	0	22.15	22.19	22.23	23.5	2
1.4	64QAM	1	0	22.05	22.12	21.95	23.5	2
1.4	64QAM	1	3	22.12	22.09	22.12		
1.4	64QAM	1	5	22.00	22.07	22.07		
1.4	64QAM	3	0	22.18	22.24	22.11		
1.4	64QAM	3	1	22.19	22.16	22.22		
1.4	64QAM	3	3	22.01	22.11	22.14		
1.4	64QAM	6	0	21.09	21.11	21.17	22.5	3
1.4	256QAM	1	0	19.03	19.16	19.17	20.5	5
1.4	256QAM	1	3	19.18	19.20	19.09		
1.4	256QAM	1	5	18.97	19.03	19.03		
1.4	256QAM	3	0	19.11	19.18	19.19		
1.4	256QAM	3	1	19.12	19.16	19.14		
1.4	256QAM	3	3	19.09	19.04	18.95		
1.4	256QAM	6	0	19.01	19.11	19.01	20.5	5

Band 26 Ant0 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.18	24.23	24.11	25.5	0
15	QPSK	1	37	24.14	24.21	24.04		
15	QPSK	1	74	24.13	24.18	24.10		
15	QPSK	36	0	23.18	23.21	23.15	24.5	1
15	QPSK	36	20	23.14	23.20	23.03		
15	QPSK	36	39	23.15	23.12	23.13		
15	QPSK	75	0	23.14	23.18	23.13		
15	16QAM	1	0	23.11	23.13	23.03	24.5	1
15	16QAM	1	37	23.10	23.11	22.93		
15	16QAM	1	74	23.10	23.09	23.05		
15	16QAM	36	0	22.18	22.25	22.20	23.5	2
15	16QAM	36	20	22.20	22.19	22.04		
15	16QAM	36	39	22.10	22.10	22.16		
15	16QAM	75	0	22.13	22.19	22.19		
15	64QAM	1	0	22.05	22.18	22.09	23.5	2
15	64QAM	1	37	22.15	22.10	21.90		
15	64QAM	1	74	22.07	22.03	22.10		
15	64QAM	36	0	21.16	21.23	21.15	22.5	3
15	64QAM	36	20	21.08	21.21	21.02		
15	64QAM	36	39	21.14	21.07	21.15		
15	64QAM	75	0	21.14	21.23	21.16		
15	256QAM	1	0	19.17	19.26	19.13	20.5	5
15	256QAM	1	37	19.15	19.17	19.08		
15	256QAM	1	74	19.14	19.14	19.12		
15	256QAM	36	0	19.13	19.14	19.13	20.5	5
15	256QAM	36	20	19.09	19.09	19.05		
15	256QAM	36	39	19.09	19.17	18.90		
15	256QAM	75	0	19.15	19.08	19.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.09	24.21	24.02	25.5	0
10	QPSK	1	25	24.09	24.15	24.02		
10	QPSK	1	49	24.12	24.11	24.12		
10	QPSK	25	0	23.12	23.15	23.10	24.5	1
10	QPSK	25	12	23.10	23.13	22.94		
10	QPSK	25	25	23.12	23.04	23.15		
10	QPSK	50	0	23.08	23.16	23.05		
10	16QAM	1	0	23.03	23.08	22.95	24.5	1
10	16QAM	1	25	23.02	23.12	22.92		
10	16QAM	1	49	23.11	23.01	23.06		
10	16QAM	25	0	22.20	22.26	22.17	23.5	2
10	16QAM	25	12	22.16	22.15	22.07		
10	16QAM	25	25	22.07	22.09	22.11		
10	16QAM	50	0	22.07	22.19	22.13		
10	64QAM	1	0	21.99	22.17	22.06	23.5	2
10	64QAM	1	25	22.14	22.12	21.93		
10	64QAM	1	49	22.01	21.99	22.04		
10	64QAM	25	0	21.13	21.24	21.08	22.5	3
10	64QAM	25	12	21.05	21.17	21.04		
10	64QAM	25	25	21.14	21.10	21.11		
10	64QAM	50	0	21.15	21.18	21.17		
10	256QAM	1	0	19.09	19.27	19.07	20.5	5
10	256QAM	1	25	19.17	19.13	19.11		
10	256QAM	1	49	19.14	19.12	19.08		
10	256QAM	25	0	19.05	19.08	19.06	20.5	5
10	256QAM	25	12	19.12	19.06	19.01		
10	256QAM	25	25	19.10	19.14	18.83		
10	256QAM	50	0	19.13	19.10	19.08		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.15	24.22	24.04	25.5	0
5	QPSK	1	12	24.14	24.22	23.96		
5	QPSK	1	24	24.06	24.17	24.03		
5	QPSK	12	0	23.14	23.13	23.13	24.5	1
5	QPSK	12	7	23.13	23.21	23.04		
5	QPSK	12	13	23.10	23.12	23.10		
5	QPSK	25	0	23.14	23.10	23.09		
5	16QAM	1	0	23.12	23.15	22.98	24.5	1
5	16QAM	1	12	23.08	23.02	22.86		
5	16QAM	1	24	23.05	23.00	23.00		
5	16QAM	12	0	22.16	22.22	22.21	23.5	2
5	16QAM	12	7	22.14	22.20	22.04		
5	16QAM	12	13	22.02	22.11	22.08		
5	16QAM	25	0	22.13	22.13	22.16		
5	64QAM	1	0	22.03	22.21	22.07	23.5	2
5	64QAM	1	12	22.18	22.09	21.84		
5	64QAM	1	24	22.09	21.97	22.05		
5	64QAM	12	0	21.07	21.25	21.07	22.5	3
5	64QAM	12	7	21.02	21.22	20.95		
5	64QAM	12	13	21.07	21.02	21.13		
5	64QAM	25	0	21.07	21.22	21.18		
5	256QAM	1	0	19.18	19.26	19.09	20.5	5
5	256QAM	1	12	19.17	19.17	19.01		
5	256QAM	1	24	19.12	19.09	19.05		
5	256QAM	12	0	19.05	19.09	19.11	20.5	5
5	256QAM	12	7	19.10	19.04	19.06		
5	256QAM	12	13	19.10	19.09	18.86		
5	256QAM	25	0	19.07	18.99	18.97		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.14	24.21	24.06	25.5	0
3	QPSK	1	8	24.16	24.15	24.01		
3	QPSK	1	14	24.15	24.09	24.03		
3	QPSK	8	0	23.15	23.15	23.11	24.5	1
3	QPSK	8	4	23.15	23.14	23.02		
3	QPSK	8	7	23.18	23.10	23.05		
3	QPSK	15	0	23.11	23.14	23.10		
3	16QAM	1	0	23.04	23.04	22.98	24.5	1
3	16QAM	1	8	23.12	23.10	22.93		
3	16QAM	1	14	23.12	23.11	23.06		
3	16QAM	8	0	22.14	22.25	22.15	23.5	2
3	16QAM	8	4	22.18	22.20	21.99		
3	16QAM	8	7	22.06	22.02	22.17		
3	16QAM	15	0	22.09	22.16	22.11		
3	64QAM	1	0	22.05	22.19	22.04	23.5	2
3	64QAM	1	8	22.08	22.07	21.83		
3	64QAM	1	14	22.06	22.05	22.02		
3	64QAM	8	0	21.10	21.22	21.07	22.5	3
3	64QAM	8	4	21.06	21.23	21.02		
3	64QAM	8	7	21.06	21.03	21.09		
3	64QAM	15	0	21.08	21.19	21.13		
3	256QAM	1	0	19.19	19.20	19.08	20.5	5
3	256QAM	1	8	19.15	19.19	19.08		
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.09	19.10	19.06	20.5	5
3	256QAM	8	4	19.08	19.09	19.06		
3	256QAM	8	7	19.07	19.12	18.88		
3	256QAM	15	0	19.08	19.09	19.08		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.19	24.22	24.10	25.5	0
1.4	QPSK	1	3	24.15	24.19	23.98		
1.4	QPSK	1	5	24.08	24.10	24.07		
1.4	QPSK	3	0	24.13	24.21	24.09		
1.4	QPSK	3	1	24.06	24.15	24.07		
1.4	QPSK	3	3	24.09	24.09	24.07		
1.4	QPSK	6	0	23.10	23.18	23.14	24.5	1
1.4	16QAM	1	0	23.12	23.14	22.95	24.5	1
1.4	16QAM	1	3	23.16	23.12	23.14		
1.4	16QAM	1	5	23.08	23.18	23.05		
1.4	16QAM	3	0	23.07	23.14	23.02		
1.4	16QAM	3	1	23.07	23.02	22.94		
1.4	16QAM	3	3	23.07	23.01	22.98		
1.4	16QAM	6	0	22.11	22.21	22.14	23.5	2
1.4	64QAM	1	0	22.14	22.15	21.99	23.5	2
1.4	64QAM	1	3	22.09	22.04	22.18		
1.4	64QAM	1	5	22.04	22.10	22.11		
1.4	64QAM	3	0	22.02	22.15	22.06		
1.4	64QAM	3	1	22.15	22.04	21.87		
1.4	64QAM	3	3	22.02	21.96	22.01		
1.4	64QAM	6	0	21.11	21.22	21.06	22.5	3
1.4	256QAM	1	0	19.09	19.20	19.08	20.5	5
1.4	256QAM	1	3	19.10	19.10	19.09		
1.4	256QAM	1	5	19.08	19.14	19.12		
1.4	256QAM	3	0	19.14	19.16	19.06		
1.4	256QAM	3	1	19.02	19.00	19.07		
1.4	256QAM	3	3	19.11	19.20	18.88		
1.4	256QAM	6	0	19.12	19.09	19.07	20.5	5

GSM850 Ant1 DSI4

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.47	32.45	32.51	34.00	23.47	23.45	23.51	25.00
GPRS 1 Tx slot	32.53	32.55	32.64	34.00	23.53	23.55	23.64	25.00
GPRS 2 Tx slots	29.57	29.51	29.46	31.00	23.57	23.51	23.46	25.00
GPRS 3 Tx slots	27.52	27.64	27.61	29.20	23.26	23.38	23.35	24.94
GPRS 4 Tx slots	26.14	26.20	26.05	28.00	23.14	23.20	23.05	25.00
EDGE 1 Tx slot	25.96	25.97	25.74	27.50	16.96	16.97	16.74	18.50
EDGE 2 Tx slots	23.42	23.58	23.25	24.50	17.42	17.58	17.25	18.50
EDGE 3 Tx slots	21.57	21.68	21.58	22.70	17.31	17.42	17.32	18.44
EDGE 4 Tx slots	20.31	20.32	20.33	21.50	17.31	17.32	17.33	18.50

WCDMA V Ant1 DSI4

Band		WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.91	20.96	21.10	22.50
3GPP Rel 99	RMC 12.2Kbps	21.10	21.12	20.99	22.50
3GPP Rel 6	HSDPA Subtest-1	20.19	20.20	20.07	21.50
3GPP Rel 6	HSDPA Subtest-2	20.18	20.09	20.10	21.50
3GPP Rel 6	HSDPA Subtest-3	19.60	19.63	19.58	21.00
3GPP Rel 6	HSDPA Subtest-4	19.48	19.59	19.36	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.13	20.03	20.03	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.01	20.04	19.99	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.65	19.67	19.73	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.67	19.59	19.57	21.00
3GPP Rel 6	HSUPA Subtest-1	20.02	20.19	19.97	21.50
3GPP Rel 6	HSUPA Subtest-2	18.10	18.25	18.02	19.50
3GPP Rel 6	HSUPA Subtest-3	19.08	19.11	19.14	20.50
3GPP Rel 6	HSUPA Subtest-4	18.08	18.00	18.11	19.50
3GPP Rel 6	HSUPA Subtest-5	20.07	20.08	19.98	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.54	17.64	17.47	19.00

Band 5 Ant1 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.51	22.55	22.48	24	0
10	QPSK	1	25	22.48	22.51	22.47		
10	QPSK	1	49	22.40	22.53	22.40		
10	QPSK	25	0	22.45	22.47	22.45	24	0
10	QPSK	25	12	22.44	22.29	22.44		
10	QPSK	25	25	22.46	22.43	22.45		
10	QPSK	50	0	22.41	22.48	22.34		
10	16QAM	1	0	22.47	22.43	22.48	24	0
10	16QAM	1	25	22.37	22.54	22.54		
10	16QAM	1	49	22.47	22.53	22.53		
10	16QAM	25	0	22.47	22.52	22.51	23.5	0.5
10	16QAM	25	12	22.47	22.54	22.35		
10	16QAM	25	25	22.48	22.52	22.51		
10	16QAM	50	0	22.51	22.37	22.53		
10	64QAM	1	0	22.36	22.35	22.42	23.5	0.5
10	64QAM	1	25	22.37	22.43	22.27		
10	64QAM	1	49	22.35	22.42	22.39		
10	64QAM	25	0	22.05	22.04	22.03	22.5	1.5
10	64QAM	25	12	22.03	22.00	21.97		
10	64QAM	25	25	22.01	21.99	22.02		
10	64QAM	50	0	21.93	21.99	22.01		
10	256QAM	1	0	20.02	20.02	20.03	20.5	3.5
10	256QAM	1	25	20.00	20.00	20.02		
10	256QAM	1	49	19.95	19.95	19.93		
10	256QAM	25	0	19.94	19.99	19.96	20.5	3.5
10	256QAM	25	12	19.94	19.94	19.87		
10	256QAM	25	25	19.86	19.94	19.93		
10	256QAM	50	0	19.84	19.91	19.82		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.40	22.47	22.44	24	0
5	QPSK	1	12	22.49	22.51	22.45		
5	QPSK	1	24	22.52	22.53	22.41		
5	QPSK	12	0	22.38	22.51	22.38	24	0
5	QPSK	12	7	22.51	22.34	22.45		
5	QPSK	12	13	22.52	22.39	22.46		
5	QPSK	25	0	22.47	22.52	22.45		
5	16QAM	1	0	22.46	22.50	22.48	24	0
5	16QAM	1	12	22.36	22.51	22.39		
5	16QAM	1	24	22.49	22.50	22.49		
5	16QAM	12	0	22.50	22.53	22.51	23.5	0.5
5	16QAM	12	7	22.36	22.50	22.28		
5	16QAM	12	13	22.47	22.41	22.48		
5	16QAM	25	0	22.39	22.43	22.34		
5	64QAM	1	0	22.31	22.32	22.52	23.5	0.5
5	64QAM	1	12	22.26	22.35	22.24		
5	64QAM	1	24	22.45	22.38	22.43		
5	64QAM	12	0	22.00	22.05	21.97	22.5	1.5
5	64QAM	12	7	21.95	22.00	21.99		
5	64QAM	12	13	21.93	22.00	22.02		
5	64QAM	25	0	21.84	21.97	22.00		
5	256QAM	1	0	19.97	20.02	19.96	20.5	3.5
5	256QAM	1	12	19.91	20.02	20.03		
5	256QAM	1	24	19.95	19.88	19.89		
5	256QAM	12	0	19.94	19.91	19.90	20.5	3.5
5	256QAM	12	7	19.88	19.89	19.80		
5	256QAM	12	13	19.83	19.94	19.93		
5	256QAM	25	0	19.85	19.90	19.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.52	22.54	22.45	24	0
3	QPSK	1	8	22.52	22.54	22.53		
3	QPSK	1	14	22.50	22.50	22.45		
3	QPSK	8	0	22.42	22.54	22.54	24	0
3	QPSK	8	4	22.43	22.38	22.37		
3	QPSK	8	7	22.54	22.46	22.47		
3	QPSK	15	0	22.36	22.40	22.50		
3	16QAM	1	0	22.45	22.52	22.51	24	0
3	16QAM	1	8	22.46	22.47	22.44		
3	16QAM	1	14	22.51	22.52	22.51		
3	16QAM	8	0	22.40	22.50	22.49	23.5	0.5
3	16QAM	8	4	22.27	22.41	22.30		
3	16QAM	8	7	22.41	22.45	22.44		
3	16QAM	15	0	22.49	22.46	22.31		
3	64QAM	1	0	22.48	22.39	22.52	23.5	0.5
3	64QAM	1	8	22.36	22.43	22.37		
3	64QAM	1	14	22.45	22.43	22.40		
3	64QAM	8	0	21.99	21.99	22.01	22.5	1.5
3	64QAM	8	4	22.06	21.92	21.94		
3	64QAM	8	7	21.92	21.95	22.00		
3	64QAM	15	0	21.87	21.90	22.01		
3	256QAM	1	0	19.93	19.97	20.06	20.5	3.5
3	256QAM	1	8	20.02	20.00	19.97		
3	256QAM	1	14	19.95	19.92	19.96		
3	256QAM	8	0	19.92	19.91	19.98	20.5	3.5
3	256QAM	8	4	19.86	19.95	19.90		
3	256QAM	8	7	19.79	19.86	19.86		
3	256QAM	15	0	19.77	19.85	19.81		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.49	22.53	22.51	24	0
1.4	QPSK	1	3	22.52	22.48	22.48		
1.4	QPSK	1	5	22.50	22.52	22.52		
1.4	QPSK	3	0	22.44	22.53	22.49		
1.4	QPSK	3	1	22.29	22.48	22.50		
1.4	QPSK	3	3	22.54	22.50	22.52		
1.4	QPSK	6	0	22.39	22.36	22.37	24	0
1.4	16QAM	1	0	22.45	22.47	22.42	24	0
1.4	16QAM	1	3	22.41	22.50	22.53		
1.4	16QAM	1	5	22.43	22.45	22.47		
1.4	16QAM	3	0	22.55	22.53	22.52		
1.4	16QAM	3	1	22.48	22.54	22.33		
1.4	16QAM	3	3	22.53	22.54	22.45		
1.4	16QAM	6	0	22.54	22.51	22.33	23.5	0.5
1.4	64QAM	1	0	22.26	22.40	22.52	23.5	0.5
1.4	64QAM	1	3	22.34	22.27	22.27		
1.4	64QAM	1	5	22.41	22.46	22.49		
1.4	64QAM	3	0	22.52	22.54	22.49		
1.4	64QAM	3	1	22.51	22.52	22.48		
1.4	64QAM	3	3	22.55	22.50	22.47		
1.4	64QAM	6	0	21.94	22.01	21.97	22.5	1.5
1.4	256QAM	1	0	19.94	20.00	19.98	20.5	3.5
1.4	256QAM	1	3	19.93	20.02	20.01		
1.4	256QAM	1	5	19.87	19.93	19.93		
1.4	256QAM	3	0	19.91	20.00	19.94		
1.4	256QAM	3	1	19.95	19.97	19.81		
1.4	256QAM	3	3	19.78	19.92	19.95		
1.4	256QAM	6	0	19.80	19.86	19.82	20.5	3.5

Band 26 Ant1 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.44	22.57	22.52	24	0
15	QPSK	1	37	22.52	22.55	22.39		
15	QPSK	1	74	22.45	22.53	22.46		
15	QPSK	36	0	22.50	22.55	22.41	24	0
15	QPSK	36	20	22.48	22.49	22.44		
15	QPSK	36	39	22.54	22.50	22.51		
15	QPSK	75	0	22.38	22.54	22.53		
15	16QAM	1	0	22.54	22.53	22.44	24	0
15	16QAM	1	37	22.55	22.41	22.36		
15	16QAM	1	74	22.44	22.43	22.22		
15	16QAM	36	0	21.99	22.05	22.00	23.5	0.5
15	16QAM	36	20	22.05	22.07	21.91		
15	16QAM	36	39	21.98	22.06	21.92		
15	16QAM	75	0	22.08	22.05	21.97		
15	64QAM	1	0	22.11	22.05	21.88	23.5	0.5
15	64QAM	1	37	22.02	22.01	21.94		
15	64QAM	1	74	21.86	21.94	21.87		
15	64QAM	36	0	20.97	21.12	20.94	22.5	1.5
15	64QAM	36	20	21.02	21.05	20.94		
15	64QAM	36	39	20.96	21.05	20.90		
15	64QAM	75	0	20.97	21.10	21.00		
15	256QAM	1	0	19.07	19.07	18.95	20.5	3.5
15	256QAM	1	37	19.02	19.06	18.87		
15	256QAM	1	74	19.01	19.06	18.90		
15	256QAM	36	0	18.97	19.11	18.96	20.5	3.5
15	256QAM	36	20	19.10	19.07	18.94		
15	256QAM	36	39	19.06	19.03	18.93		
15	256QAM	75	0	18.88	18.95	18.79		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.44	22.42	22.41	24	0
10	QPSK	1	25	22.53	22.49	22.47		
10	QPSK	1	49	22.47	22.56	22.39		
10	QPSK	25	0	22.44	22.49	22.41	24	0
10	QPSK	25	12	22.30	22.37	22.37		
10	QPSK	25	25	22.28	22.49	22.26		
10	QPSK	50	0	22.43	22.53	22.40		
10	16QAM	1	0	22.33	22.50	22.39	24	0
10	16QAM	1	25	22.41	22.50	22.36		
10	16QAM	1	49	22.15	22.38	22.14		
10	16QAM	25	0	21.97	22.08	21.91	23.5	0.5
10	16QAM	25	12	22.08	22.07	21.83		
10	16QAM	25	25	21.91	21.98	21.94		
10	16QAM	50	0	22.04	22.03	21.95		
10	64QAM	1	0	22.05	22.07	21.82	23.5	0.5
10	64QAM	1	25	22.03	22.01	21.88		
10	64QAM	1	49	21.86	21.88	21.83		
10	64QAM	25	0	20.97	21.10	20.87	22.5	1.5
10	64QAM	25	12	20.95	21.03	20.89		
10	64QAM	25	25	20.95	20.97	20.84		
10	64QAM	50	0	20.93	21.06	21.01		
10	256QAM	1	0	19.06	19.02	18.97	20.5	3.5
10	256QAM	1	25	19.01	19.00	18.79		
10	256QAM	1	49	18.99	19.04	18.83		
10	256QAM	25	0	18.95	19.06	18.91	20.5	3.5
10	256QAM	25	12	19.03	19.08	18.89		
10	256QAM	25	25	18.99	19.00	18.90		
10	256QAM	50	0	18.81	18.93	18.72		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.47	22.45	22.42	24	0
5	QPSK	1	12	22.52	22.51	22.45		
5	QPSK	1	24	22.34	22.46	22.49		
5	QPSK	12	0	22.52	22.51	22.24	24	0
5	QPSK	12	7	22.42	22.34	22.29		
5	QPSK	12	13	22.32	22.55	22.33		
5	QPSK	25	0	22.46	22.37	22.32		
5	16QAM	1	0	22.36	22.32	22.22	24	0
5	16QAM	1	12	22.47	22.35	22.22		
5	16QAM	1	24	22.25	22.35	22.12		
5	16QAM	12	0	21.90	22.02	21.95	23.5	0.5
5	16QAM	12	7	22.02	22.02	21.91		
5	16QAM	12	13	21.93	22.05	21.92		
5	16QAM	25	0	22.05	21.97	21.89		
5	64QAM	1	0	22.06	21.97	21.88	23.5	0.5
5	64QAM	1	12	22.02	21.97	21.88		
5	64QAM	1	24	21.84	21.87	21.89		
5	64QAM	12	0	20.96	21.09	20.95	22.5	1.5
5	64QAM	12	7	21.01	21.03	20.88		
5	64QAM	12	13	20.92	21.02	20.89		
5	64QAM	25	0	20.98	21.02	21.03		
5	256QAM	1	0	18.99	19.08	18.91	20.5	3.5
5	256QAM	1	12	18.96	19.03	18.83		
5	256QAM	1	24	18.98	19.01	18.81		
5	256QAM	12	0	18.93	19.02	18.99	20.5	3.5
5	256QAM	12	7	19.09	19.01	18.85		
5	256QAM	12	13	18.97	19.02	18.92		
5	256QAM	25	0	18.87	18.91	18.73		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.44	22.52	22.56	24	0
3	QPSK	1	8	22.45	22.56	22.41		
3	QPSK	1	14	22.43	22.45	22.37		
3	QPSK	8	0	22.31	22.38	22.46	24	0
3	QPSK	8	4	22.28	22.37	22.32		
3	QPSK	8	7	22.42	22.37	22.35		
3	QPSK	15	0	22.43	22.47	22.38		
3	16QAM	1	0	22.36	22.40	22.28	24	0
3	16QAM	1	8	22.28	22.38	22.20		
3	16QAM	1	14	22.34	22.29	22.19		
3	16QAM	8	0	21.98	22.07	21.94	23.5	0.5
3	16QAM	8	4	22.02	22.01	21.84		
3	16QAM	8	7	21.96	22.08	21.92		
3	16QAM	15	0	22.10	21.98	21.96		
3	64QAM	1	0	22.11	21.98	21.85	23.5	0.5
3	64QAM	1	8	22.02	22.01	21.87		
3	64QAM	1	14	21.87	21.89	21.89		
3	64QAM	8	0	20.97	21.10	20.94	22.5	1.5
3	64QAM	8	4	21.01	21.08	20.87		
3	64QAM	8	7	20.88	21.01	20.87		
3	64QAM	15	0	20.97	21.05	20.94		
3	256QAM	1	0	19.05	19.00	18.93	20.5	3.5
3	256QAM	1	8	18.99	19.08	18.87		
3	256QAM	1	14	18.97	19.00	18.90		
3	256QAM	8	0	18.90	19.04	18.98	20.5	3.5
3	256QAM	8	4	19.07	19.01	18.91		
3	256QAM	8	7	18.98	19.01	18.94		
3	256QAM	15	0	18.62	18.62	18.57		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.42	22.36	22.50	24	0
1.4	QPSK	1	3	22.47	22.50	22.55		
1.4	QPSK	1	5	22.28	22.52	22.44		
1.4	QPSK	3	0	22.43	22.50	22.46		
1.4	QPSK	3	1	22.48	22.50	22.33		
1.4	QPSK	3	3	22.33	22.34	22.38		
1.4	QPSK	6	0	22.33	22.37	22.30	24	0
1.4	16QAM	1	0	22.48	22.39	22.44	24	0
1.4	16QAM	1	3	22.49	22.46	22.37		
1.4	16QAM	1	5	22.28	22.36	22.30		
1.4	16QAM	3	0	22.44	22.40	22.23		
1.4	16QAM	3	1	22.38	22.43	22.19		
1.4	16QAM	3	3	22.38	22.38	22.17		
1.4	16QAM	6	0	21.94	21.98	22.02	23.5	0.5
1.4	64QAM	1	0	22.07	22.09	21.88	23.5	0.5
1.4	64QAM	1	3	22.00	21.98	21.94		
1.4	64QAM	1	5	22.02	22.00	21.95		
1.4	64QAM	3	0	22.13	22.06	21.88		
1.4	64QAM	3	1	21.97	22.02	21.87		
1.4	64QAM	3	3	21.84	21.94	21.84		
1.4	64QAM	6	0	21.00	21.13	20.90	22.5	1.5
1.4	256QAM	1	0	19.00	19.01	18.97	20.5	3.5
1.4	256QAM	1	3	18.95	18.99	18.80		
1.4	256QAM	1	5	18.99	19.01	18.84		
1.4	256QAM	3	0	18.90	19.13	18.98		
1.4	256QAM	3	1	19.12	19.04	18.88		
1.4	256QAM	3	3	19.08	18.96	18.95		
1.4	256QAM	6	0	18.80	18.89	18.80	20.5	3.5

Band 42 Ant1 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.48	20.62	20.46	21.5	0
20	QPSK	1	49	20.50	20.56	20.57		
20	QPSK	1	99	20.49	20.47	20.39		
20	QPSK	50	0	20.53	20.56	20.43	21.5	0
20	QPSK	50	24	20.53	20.54	20.46		
20	QPSK	50	50	20.51	20.48	20.42		
20	QPSK	100	0	20.46	20.52	20.48		
20	16QAM	1	0	20.51	20.55	20.54	21.5	0
20	16QAM	1	49	20.46	20.57	20.49		
20	16QAM	1	99	20.38	20.52	20.36		
20	16QAM	50	0	20.56	20.49	20.61	21.5	0
20	16QAM	50	24	20.60	20.54	20.45		
20	16QAM	50	50	20.55	20.53	20.45		
20	16QAM	100	0	20.56	20.55	20.51		
20	64QAM	1	0	20.42	20.36	20.47	21.5	0
20	64QAM	1	49	20.44	20.53	20.54		
20	64QAM	1	99	20.50	20.57	20.55		
20	64QAM	50	0	20.46	20.43	20.41	21.5	0
20	64QAM	50	24	20.46	20.49	20.46		
20	64QAM	50	50	20.48	20.50	20.43		
20	64QAM	100	0	20.42	20.42	20.38		
20	256QAM	1	0	18.74	18.71	18.71	19.5	2
20	256QAM	1	49	18.70	18.69	18.71		
20	256QAM	1	99	18.67	18.70	18.69		
20	256QAM	50	0	18.60	18.63	18.55	19.5	2
20	256QAM	50	24	18.62	18.66	18.64		
20	256QAM	50	50	18.56	18.64	18.64		
20	256QAM	100	0	18.59	18.57	18.48		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	20.53	20.61	20.48	21.5	0
15	QPSK	1	37	20.58	20.48	20.61		
15	QPSK	1	74	20.42	20.50	20.42		
15	QPSK	36	0	20.52	20.57	20.45	21.5	0
15	QPSK	36	20	20.48	20.50	20.45		
15	QPSK	36	39	20.49	20.47	20.46		
15	QPSK	75	0	20.40	20.51	20.45		
15	16QAM	1	0	20.59	20.55	20.59	21.5	0
15	16QAM	1	37	20.51	20.53	20.46		
15	16QAM	1	74	20.48	20.50	20.48		
15	16QAM	36	0	20.52	20.51	20.55	21.5	0
15	16QAM	36	20	20.59	20.53	20.40		
15	16QAM	36	39	20.49	20.56	20.44		
15	16QAM	75	0	20.50	20.50	20.52		
15	64QAM	1	0	20.50	20.37	20.47	21.5	0
15	64QAM	1	37	20.41	20.49	20.51		
15	64QAM	1	74	20.40	20.52	20.52		
15	64QAM	36	0	20.39	20.39	20.39	21.5	0
15	64QAM	36	20	20.48	20.43	20.40		
15	64QAM	36	39	20.49	20.47	20.37		
15	64QAM	75	0	20.38	20.44	20.36		
15	256QAM	1	0	18.74	18.69	18.69	19.5	2
15	256QAM	1	37	18.73	18.60	18.73		
15	256QAM	1	74	18.66	18.63	18.61		
15	256QAM	36	0	18.57	18.57	18.57	19.5	2
15	256QAM	36	20	18.57	18.66	18.62		
15	256QAM	36	39	18.53	18.60	18.59		
15	256QAM	75	0	18.51	18.54	18.45		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	20.48	20.52	20.57	21.5	0
10	QPSK	1	25	20.52	20.55	20.55		
10	QPSK	1	49	20.44	20.55	20.42		
10	QPSK	25	0	20.49	20.53	20.48	21.5	0
10	QPSK	25	12	20.52	20.53	20.53		
10	QPSK	25	25	20.47	20.45	20.43		
10	QPSK	50	0	20.40	20.52	20.54		
10	16QAM	1	0	20.51	20.60	20.52	21.5	0
10	16QAM	1	25	20.51	20.47	20.45		
10	16QAM	1	49	20.43	20.52	20.44		
10	16QAM	25	0	20.48	20.45	20.54	21.5	0
10	16QAM	25	12	20.54	20.52	20.43		
10	16QAM	25	25	20.48	20.52	20.41		
10	16QAM	50	0	20.58	20.50	20.52		
10	64QAM	1	0	20.50	20.36	20.42	21.5	0
10	64QAM	1	25	20.34	20.53	20.48		
10	64QAM	1	49	20.49	20.51	20.57		
10	64QAM	25	0	20.42	20.39	20.32	21.5	0
10	64QAM	25	12	20.49	20.46	20.40		
10	64QAM	25	25	20.40	20.48	20.41		
10	64QAM	50	0	20.37	20.44	20.31		
10	256QAM	1	0	18.69	18.72	18.66	19.5	2
10	256QAM	1	25	18.66	18.61	18.69		
10	256QAM	1	49	18.64	18.69	18.66		
10	256QAM	25	0	18.62	18.60	18.51	19.5	2
10	256QAM	25	12	18.55	18.69	18.55		
10	256QAM	25	25	18.53	18.63	18.63		
10	256QAM	50	0	18.56	18.54	18.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.54	20.55	20.57	21.5	0
5	QPSK	1	12	20.48	20.50	20.54		
5	QPSK	1	24	20.42	20.45	20.39		
5	QPSK	12	0	20.52	20.53	20.52	21.5	0
5	QPSK	12	7	20.54	20.49	20.54		
5	QPSK	12	13	20.44	20.50	20.37		
5	QPSK	25	0	20.44	20.49	20.52		
5	16QAM	1	0	20.60	20.53	20.58	21.5	0
5	16QAM	1	12	20.51	20.54	20.47		
5	16QAM	1	24	20.47	20.47	20.36		
5	16QAM	12	0	20.60	20.54	20.61	21.5	0
5	16QAM	12	7	20.56	20.54	20.38		
5	16QAM	12	13	20.39	20.56	20.46		
5	16QAM	25	0	20.46	20.61	20.55		
5	64QAM	1	0	20.56	20.60	20.52	21.5	0
5	64QAM	1	12	20.53	20.55	20.50		
5	64QAM	1	24	20.60	20.60	20.56		
5	64QAM	12	0	20.43	20.38	20.41	21.5	0
5	64QAM	12	7	20.46	20.49	20.44		
5	64QAM	12	13	20.49	20.44	20.42		
5	64QAM	25	0	20.34	20.42	20.30		
5	256QAM	1	0	18.70	18.64	18.71	19.5	2
5	256QAM	1	12	18.65	18.63	18.71		
5	256QAM	1	24	18.69	18.67	18.62		
5	256QAM	12	0	18.55	18.54	18.49	19.5	2
5	256QAM	12	7	18.63	18.59	18.61		
5	256QAM	12	13	18.56	18.64	18.64		
5	256QAM	25	0	18.51	18.54	18.40		

Band 48 Ant1 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.88	22.22	22.19	22.17	23.5	0
20	QPSK	1	49	21.92	22.14	22.13	22.13		
20	QPSK	1	99	21.87	22.13	22.16	22.13		
20	QPSK	50	0	21.76	22.18	22.08	22.03	23.5	0
20	QPSK	50	24	21.76	22.06	22.07	22.05		
20	QPSK	50	50	21.81	22.11	22.16	22.08		
20	QPSK	100	0	21.88	22.16	22.13	22.12		
20	16QAM	1	0	21.77	22.13	22.17	22.06	23.5	0
20	16QAM	1	49	21.79	22.15	21.98	22.09		
20	16QAM	1	99	21.74	22.10	22.14	22.02		
20	16QAM	50	0	20.81	21.17	21.06	20.99	22.5	1
20	16QAM	50	24	20.76	21.09	21.02	21.09		
20	16QAM	50	50	20.81	21.09	21.10	21.13		
20	16QAM	100	0	20.86	21.21	21.17	21.11		
20	64QAM	1	0	20.82	21.17	21.22	21.02	22.5	1
20	64QAM	1	49	20.82	21.18	21.01	21.06		
20	64QAM	1	99	20.72	21.12	21.16	21.05		
20	64QAM	50	0	19.80	20.14	20.08	20.01	21.5	2
20	64QAM	50	24	19.71	20.10	20.13	20.03		
20	64QAM	50	50	19.85	20.11	20.19	20.06		
20	64QAM	100	0	19.85	20.14	20.19	20.11		
20	256QAM	1	0	17.77	18.13	18.03	18.08	19.5	4
20	256QAM	1	49	17.72	18.03	18.10	18.00		
20	256QAM	1	99	17.76	18.11	18.11	18.09		
20	256QAM	50	0	17.92	18.20	18.15	18.11	19.5	4
20	256QAM	50	24	17.79	18.13	18.17	18.01		
20	256QAM	50	50	17.75	18.16	18.04	18.14		
20	256QAM	100	0	17.79	18.11	18.18	18.07		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.95	22.19	22.19	22.13	23.5	0
15	QPSK	1	37	21.96	22.21	22.09	22.13		
15	QPSK	1	74	21.87	22.14	22.16	22.09		
15	QPSK	36	0	21.71	22.09	22.02	21.99	23.5	0
15	QPSK	36	20	21.76	22.01	22.04	21.98		
15	QPSK	36	39	21.72	22.10	22.19	22.09		
15	QPSK	75	0	21.81	22.18	22.04	22.14		
15	16QAM	1	0	21.79	22.16	22.10	22.01	23.5	0
15	16QAM	1	37	21.71	22.09	21.99	22.10		
15	16QAM	1	74	21.68	22.04	22.17	22.01		
15	16QAM	36	0	20.80	21.08	21.06	20.91	22.5	1
15	16QAM	36	20	20.79	21.08	21.03	21.06		
15	16QAM	36	39	20.73	21.09	21.12	21.11		
15	16QAM	75	0	20.85	21.18	21.12	21.13		
15	64QAM	1	0	20.73	21.12	21.15	21.01	22.5	1
15	64QAM	1	37	20.82	21.13	21.03	20.98		
15	64QAM	1	74	20.64	21.10	21.13	20.99		
15	64QAM	36	0	19.77	20.15	20.01	20.03	21.5	2
15	64QAM	36	20	19.67	20.09	20.10	19.97		
15	64QAM	36	39	19.83	20.09	20.10	20.01		
15	64QAM	75	0	19.86	20.09	20.14	20.07		
15	256QAM	1	0	17.77	18.08	18.04	18.09	19.5	4
15	256QAM	1	37	17.69	17.96	18.13	17.94		
15	256QAM	1	74	17.69	18.07	18.05	18.10		
15	256QAM	36	0	17.92	18.11	18.14	18.11	19.5	4
15	256QAM	36	20	17.81	18.07	18.14	17.94		
15	256QAM	36	39	17.67	18.15	18.06	18.16		
15	256QAM	75	0	17.81	18.07	18.10	18.01		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.90	22.17	22.19	22.15	23.5	0
10	QPSK	1	25	21.88	22.20	22.07	22.19		
10	QPSK	1	49	21.89	22.06	22.20	22.06		
10	QPSK	25	0	21.74	22.15	22.05	22.02	23.5	0
10	QPSK	25	12	21.68	21.99	22.09	22.03		
10	QPSK	25	25	21.79	22.05	22.08	22.05		
10	QPSK	50	0	21.81	22.15	22.12	22.09		
10	16QAM	1	0	21.77	22.16	22.12	22.06	23.5	0
10	16QAM	1	25	21.77	22.08	21.89	22.08		
10	16QAM	1	49	21.65	22.13	22.07	22.02		
10	16QAM	25	0	20.76	21.15	21.05	21.01	22.5	1
10	16QAM	25	12	20.68	21.03	21.01	21.12		
10	16QAM	25	25	20.80	21.01	21.03	21.04		
10	16QAM	50	0	20.82	21.18	21.09	21.12		
10	64QAM	1	0	20.78	21.19	21.19	20.98	22.5	1
10	64QAM	1	25	20.73	21.20	20.92	21.03		
10	64QAM	1	49	20.66	21.07	21.10	21.02		
10	64QAM	25	0	19.79	20.15	20.05	20.00	21.5	2
10	64QAM	25	12	19.64	20.04	20.14	20.03		
10	64QAM	25	25	19.88	20.06	20.17	20.09		
10	64QAM	50	0	19.83	20.07	20.15	20.05		
10	256QAM	1	0	17.80	18.16	17.98	18.10	19.5	4
10	256QAM	1	25	17.72	18.03	18.12	17.95		
10	256QAM	1	49	17.76	18.03	18.04	18.07		
10	256QAM	25	0	17.89	18.14	18.16	18.14	19.5	4
10	256QAM	25	12	17.73	18.09	18.11	18.02		
10	256QAM	25	25	17.73	18.17	18.07	18.07		
10	256QAM	50	0	17.79	18.10	18.13	18.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.97	22.21	22.17	22.20	23.5	0
5	QPSK	1	12	21.99	22.19	22.09	22.15		
5	QPSK	1	24	21.90	22.08	22.17	22.08		
5	QPSK	12	0	21.67	22.12	21.99	21.98	23.5	0
5	QPSK	12	7	21.79	22.03	21.99	22.07		
5	QPSK	12	13	21.82	22.14	22.17	22.04		
5	QPSK	25	0	21.90	22.19	22.07	22.13		
5	16QAM	1	0	21.70	22.12	22.17	22.07	23.5	0
5	16QAM	1	12	21.75	22.14	21.97	22.07		
5	16QAM	1	24	21.76	22.09	22.13	21.98		
5	16QAM	12	0	20.80	21.13	21.04	21.00	22.5	1
5	16QAM	12	7	20.67	21.11	21.04	21.08		
5	16QAM	12	13	20.74	21.07	21.10	21.05		
5	16QAM	25	0	20.87	21.22	21.16	21.09		
5	64QAM	1	0	20.76	21.13	21.24	20.97	22.5	1
5	64QAM	1	12	20.75	21.11	20.96	21.07		
5	64QAM	1	24	20.65	21.14	21.09	21.08		
5	64QAM	12	0	19.74	20.08	20.09	19.96	21.5	2
5	64QAM	12	7	19.65	20.13	20.10	20.00		
5	64QAM	12	13	19.85	20.07	20.14	20.02		
5	64QAM	25	0	19.80	20.08	20.13	20.07		
5	256QAM	1	0	17.75	18.14	17.95	18.02	19.5	4
5	256QAM	1	12	17.74	17.95	18.02	17.92		
5	256QAM	1	24	17.76	18.12	18.03	18.01		
5	256QAM	12	0	17.87	18.12	18.14	18.08	19.5	4
5	256QAM	12	7	17.81	18.08	18.18	18.00		
5	256QAM	12	13	17.76	18.18	18.02	18.07		
5	256QAM	25	0	17.79	18.11	18.12	18.01		

	GSM1900 Ant2 DSI4							
GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.70	30.00	30.05	31.00	21.70	21.00	21.05	22.00
GPRS 1 Tx slot	30.17	30.08	30.07	31.00	21.17	21.08	21.07	22.00
GPRS 2 Tx slots	26.53	26.65	26.56	28.00	20.53	20.65	20.56	22.00
GPRS 3 Tx slots	25.14	25.21	25.02	26.20	20.88	20.95	20.76	21.94
GPRS 4 Tx slots	23.44	23.46	23.28	25.00	20.44	20.46	20.28	22.00
EDGE 1 Tx slot	25.87	25.62	25.54	26.50	16.87	16.62	16.54	17.50
EDGE 2 Tx slots	23.06	22.97	22.95	23.50	17.06	16.97	16.95	17.50
EDGE 3 Tx slots	21.42	21.22	21.28	21.70	17.16	16.96	17.02	17.44
EDGE 4 Tx slots	19.56	19.36	19.57	20.50	16.56	16.36	16.57	17.50

		WCDMA II Ant2 DSI4				WCDMA IV Ant2 DSI4			
Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.35	23.37	23.26	25.00	23.62	23.67	23.56	25.00
3GPP Rel 99	RMC 12.2Kbps	23.38	23.40	23.29	25.00	23.62	23.70	23.63	25.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.44	22.30	24.00	22.59	22.73	22.66	24.00
3GPP Rel 6	HSDPA Subtest-2	22.33	22.42	22.30	24.00	22.57	22.68	22.61	24.00
3GPP Rel 6	HSDPA Subtest-3	21.86	21.93	21.82	23.50	22.06	22.28	22.18	23.50
3GPP Rel 6	HSDPA Subtest-4	21.88	21.87	21.77	23.50	22.08	22.16	22.08	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.35	22.27	24.00	22.53	22.69	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.41	22.28	24.00	22.49	22.63	22.63	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.83	21.93	21.81	23.50	22.05	22.25	22.16	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.83	21.92	21.85	23.50	22.02	22.15	22.15	23.50
3GPP Rel 6	HSUPA Subtest-1	22.30	22.40	22.27	24.00	22.55	22.72	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	20.30	20.45	20.35	22.00	20.60	20.75	20.68	22.00
3GPP Rel 6	HSUPA Subtest-3	21.39	21.43	21.25	23.00	21.58	21.77	21.69	23.00
3GPP Rel 6	HSUPA Subtest-4	20.38	20.43	20.28	22.00	20.55	20.76	20.71	22.00
3GPP Rel 6	HSUPA Subtest-5	22.29	22.38	22.32	24.00	22.60	22.76	22.67	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.84	19.94	19.85	21.50	20.15	20.19	20.19	21.50

Band 2 Ant2 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.81	23.87	23.82	25.5	0
20	QPSK	1	49	23.80	23.81	23.83		
20	QPSK	1	99	23.82	23.83	23.85		
20	QPSK	50	0	22.82	22.92	22.82	24.5	1
20	QPSK	50	24	22.84	22.80	22.90		
20	QPSK	50	50	22.86	22.84	22.80		
20	QPSK	100	0	22.83	22.84	22.82		
20	16QAM	1	0	22.81	22.84	22.86	24.5	1
20	16QAM	1	49	22.81	22.80	22.85		
20	16QAM	1	99	22.81	22.88	22.80		
20	16QAM	50	0	21.88	21.92	21.86	23.5	2
20	16QAM	50	24	21.81	21.83	21.84		
20	16QAM	50	50	21.86	21.89	21.83		
20	16QAM	100	0	21.87	21.88	21.86		
20	64QAM	1	0	21.87	21.81	21.93	23.5	2
20	64QAM	1	49	21.80	21.82	21.90		
20	64QAM	1	99	21.86	21.91	21.83		
20	64QAM	50	0	20.86	20.97	20.83	22.5	3
20	64QAM	50	24	20.86	20.86	20.90		
20	64QAM	50	50	20.81	20.85	20.84		
20	64QAM	100	0	20.88	20.91	20.84		
20	256QAM	1	0	18.86	19.03	18.84	20.5	5
20	256QAM	1	49	18.85	18.88	18.92		
20	256QAM	1	99	18.84	18.81	18.89		
20	256QAM	50	0	18.89	19.01	18.86	20.5	5
20	256QAM	50	24	18.88	18.90	18.91		
20	256QAM	50	50	18.89	18.91	18.91		
20	256QAM	100	0	18.86	18.98	18.82		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.85	23.85	23.83	25.5	0
15	QPSK	1	37	23.84	23.80	23.81		
15	QPSK	1	74	23.84	23.81	23.80		
15	QPSK	36	0	22.81	22.86	22.84	24.5	1
15	QPSK	36	20	22.89	22.85	22.96		
15	QPSK	36	39	22.90	22.90	22.83		
15	QPSK	75	0	22.80	22.83	22.81		
15	16QAM	1	0	22.80	22.90	22.90	24.5	1
15	16QAM	1	37	22.86	22.84	22.84		
15	16QAM	1	74	22.82	22.87	22.87		
15	16QAM	36	0	21.91	21.96	21.82	23.5	2
15	16QAM	36	20	21.80	21.84	21.88		
15	16QAM	36	39	21.89	21.91	21.80		
15	16QAM	75	0	21.81	21.84	21.80		
15	64QAM	1	0	21.89	21.85	21.97	23.5	2
15	64QAM	1	37	21.84	21.86	21.85		
15	64QAM	1	74	21.80	21.94	21.81		
15	64QAM	36	0	20.82	21.04	20.84	22.5	3
15	64QAM	36	20	20.82	20.91	20.86		
15	64QAM	36	39	20.87	20.90	20.86		
15	64QAM	75	0	20.87	20.87	20.90		
15	256QAM	1	0	18.89	19.06	18.82	20.5	5
15	256QAM	1	37	18.81	18.94	18.90		
15	256QAM	1	74	18.88	18.84	18.87		
15	256QAM	36	0	18.89	19.02	18.83	20.5	5
15	256QAM	36	20	18.94	18.93	18.92		
15	256QAM	36	39	18.83	18.88	18.88		
15	256QAM	75	0	18.87	18.97	18.80		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.64	23.72	23.77	25.5	0
10	QPSK	1	25	23.85	23.75	23.67		
10	QPSK	1	49	23.65	23.63	23.56		
10	QPSK	25	0	22.58	22.82	22.82	24.5	1
10	QPSK	25	12	22.87	22.68	22.84		
10	QPSK	25	25	22.74	22.66	22.69		
10	QPSK	50	0	22.62	22.60	22.62		
10	16QAM	1	0	22.79	22.75	22.73	24.5	1
10	16QAM	1	25	22.68	22.80	22.70		
10	16QAM	1	49	22.75	22.71	22.77		
10	16QAM	25	0	21.83	21.96	21.84	23.5	2
10	16QAM	25	12	21.61	21.71	21.80		
10	16QAM	25	25	21.79	21.80	21.80		
10	16QAM	50	0	21.69	21.78	21.79		
10	64QAM	1	0	21.74	21.63	21.92	23.5	2
10	64QAM	1	25	21.75	21.81	21.77		
10	64QAM	1	49	21.63	21.95	21.73		
10	64QAM	25	0	20.89	20.88	20.68	22.5	3
10	64QAM	25	12	20.78	20.77	20.94		
10	64QAM	25	25	20.72	20.83	20.62		
10	64QAM	50	0	20.73	20.81	20.76		
10	256QAM	1	0	18.86	18.84	18.66	20.5	5
10	256QAM	1	25	18.71	18.74	18.75		
10	256QAM	1	49	18.72	18.62	18.82		
10	256QAM	25	0	18.89	19.01	18.71	20.5	5
10	256QAM	25	12	18.71	18.89	18.88		
10	256QAM	25	25	18.93	18.82	18.77		
10	256QAM	50	0	18.77	18.95	18.77		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.71	23.68	23.70	25.5	0
5	QPSK	1	12	23.64	23.73	23.75		
5	QPSK	1	24	23.65	23.60	23.58		
5	QPSK	12	0	22.64	22.85	22.86	24.5	1
5	QPSK	12	7	22.75	22.70	22.66		
5	QPSK	12	13	22.90	22.67	22.65		
5	QPSK	25	0	22.78	22.73	22.75		
5	16QAM	1	0	22.67	22.83	22.87	24.5	1
5	16QAM	1	12	22.64	22.60	22.71		
5	16QAM	1	24	22.65	22.72	22.59		
5	16QAM	12	0	21.78	21.84	21.72	23.5	2
5	16QAM	12	7	21.82	21.71	21.76		
5	16QAM	12	13	21.70	21.89	21.76		
5	16QAM	25	0	21.83	21.91	21.78		
5	64QAM	1	0	21.87	21.59	21.88	23.5	2
5	64QAM	1	12	21.62	21.81	21.70		
5	64QAM	1	24	21.89	21.88	21.87		
5	64QAM	12	0	20.91	20.86	20.68	22.5	3
5	64QAM	12	7	20.87	20.61	20.83		
5	64QAM	12	13	20.72	20.89	20.80		
5	64QAM	25	0	20.78	20.94	20.76		
5	256QAM	1	0	18.88	18.98	18.76	20.5	5
5	256QAM	1	12	18.73	18.85	18.87		
5	256QAM	1	24	18.83	18.86	18.77		
5	256QAM	12	0	18.72	18.78	18.73	20.5	5
5	256QAM	12	7	18.92	18.72	18.71		
5	256QAM	12	13	18.69	18.68	18.67		
5	256QAM	25	0	18.83	18.96	18.81		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.81	23.75	23.64	25.5	0
3	QPSK	1	8	23.83	23.81	23.77		
3	QPSK	1	14	23.69	23.79	23.73		
3	QPSK	8	0	22.81	22.93	22.73	24.5	1
3	QPSK	8	4	22.77	22.55	22.88		
3	QPSK	8	7	22.73	22.74	22.67		
3	QPSK	15	0	22.82	22.73	22.58		
3	16QAM	1	0	22.74	22.75	22.86	24.5	1
3	16QAM	1	8	22.80	22.60	22.64		
3	16QAM	1	14	22.65	22.92	22.70		
3	16QAM	8	0	21.84	21.94	21.72	23.5	2
3	16QAM	8	4	21.84	21.58	21.82		
3	16QAM	8	7	21.82	21.86	21.83		
3	16QAM	15	0	21.83	21.69	21.84		
3	64QAM	1	0	21.78	21.80	21.71	23.5	2
3	64QAM	1	8	21.66	21.65	21.79		
3	64QAM	1	14	21.67	21.75	21.74		
3	64QAM	8	0	20.85	20.79	20.68	22.5	3
3	64QAM	8	4	20.89	20.84	20.83		
3	64QAM	8	7	20.57	20.65	20.74		
3	64QAM	15	0	20.88	20.76	20.83		
3	256QAM	1	0	18.62	18.98	18.87	20.5	5
3	256QAM	1	8	18.75	18.66	18.78		
3	256QAM	1	14	18.70	18.81	18.84		
3	256QAM	8	0	18.77	18.97	18.80	20.5	5
3	256QAM	8	4	18.71	18.78	18.72		
3	256QAM	8	7	18.84	18.87	18.94		
3	256QAM	15	0	18.71	18.84	18.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.78	23.53	23.65	25.5	0
1.4	QPSK	1	3	23.70	23.76	23.70		
1.4	QPSK	1	5	23.71	23.56	23.51		
1.4	QPSK	3	0	23.83	23.50	23.71		
1.4	QPSK	3	1	23.60	23.62	23.72		
1.4	QPSK	3	3	23.62	23.65	23.56		
1.4	QPSK	6	0	22.63	22.86	22.50	24.5	1
1.4	16QAM	1	0	22.77	22.70	22.67	24.5	1
1.4	16QAM	1	3	22.51	22.51	22.51		
1.4	16QAM	1	5	22.64	22.67	22.55		
1.4	16QAM	3	0	22.52	22.52	22.66		
1.4	16QAM	3	1	22.72	22.64	22.67		
1.4	16QAM	3	3	22.59	22.71	22.61		
1.4	16QAM	6	0	21.72	21.93	21.58	23.5	2
1.4	64QAM	1	0	21.82	21.53	21.64	23.5	2
1.4	64QAM	1	3	21.83	21.63	21.86		
1.4	64QAM	1	5	21.78	21.68	21.67		
1.4	64QAM	3	0	21.72	21.65	21.55		
1.4	64QAM	3	1	21.62	21.52	21.64		
1.4	64QAM	3	3	21.51	21.70	21.64		
1.4	64QAM	6	0	20.57	20.65	20.74	22.5	3
1.4	256QAM	1	0	18.77	18.79	18.72	20.5	5
1.4	256QAM	1	3	18.59	18.50	18.75		
1.4	256QAM	1	5	18.62	18.80	18.62		
1.4	256QAM	3	0	18.70	18.81	18.66		
1.4	256QAM	3	1	18.61	18.63	18.61		
1.4	256QAM	3	3	18.63	18.72	18.79		
1.4	256QAM	6	0	18.65	18.78	18.73	20.5	5

Band 4 Ant2 DSI4 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.23	24.32	24.26	25.5	0
20	QPSK	1	49	24.15	24.24	24.18		
20	QPSK	1	99	24.04	24.19	24.07		
20	QPSK	50	0	23.06	23.11	23.01	24.5	1
20	QPSK	50	24	22.96	23.05	22.95		
20	QPSK	50	50	22.89	23.00	22.87		
20	QPSK	100	0	22.92	23.00	22.92		
20	16QAM	1	0	23.17	23.32	23.26	24.5	1
20	16QAM	1	49	23.11	23.26	23.22		
20	16QAM	1	99	23.09	23.22	23.19		
20	16QAM	50	0	21.93	21.97	21.89	23.5	2
20	16QAM	50	24	21.77	21.89	21.80		
20	16QAM	50	50	21.86	21.93	21.88		
20	16QAM	100	0	21.78	21.90	21.84		
20	64QAM	1	0	22.08	22.14	22.00	23.5	2
20	64QAM	1	49	21.98	22.08	22.03		
20	64QAM	1	99	21.97	22.04	21.94		
20	64QAM	50	0	20.95	21.02	20.89	22.5	3
20	64QAM	50	24	20.82	20.93	20.88		
20	64QAM	50	50	20.88	20.98	20.86		
20	64QAM	100	0	21.02	21.06	20.96		
20	256QAM	1	0	19.00	19.06	19.03	20.5	5
20	256QAM	1	49	18.94	19.03	18.99		
20	256QAM	1	99	18.87	18.98	18.89		
20	256QAM	50	0	18.89	19.02	18.90	20.5	5
20	256QAM	50	24	18.80	18.92	18.86		
20	256QAM	50	50	18.86	18.98	18.85		
20	256QAM	100	0	18.87	18.95	18.85		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.11	24.29	24.21	25.5	0
15	QPSK	1	37	24.06	24.17	24.04		
15	QPSK	1	74	23.96	24.08	24.04		
15	QPSK	36	0	22.92	23.08	22.87	24.5	1
15	QPSK	36	20	22.88	22.94	22.88		
15	QPSK	36	39	22.78	22.94	22.76		
15	QPSK	75	0	22.79	22.86	22.87		
15	16QAM	1	0	23.04	23.26	23.11	24.5	1
15	16QAM	1	37	23.05	23.15	23.16		
15	16QAM	1	74	23.04	23.15	23.09		
15	16QAM	36	0	21.81	21.87	21.78	23.5	2
15	16QAM	36	20	21.69	21.85	21.66		
15	16QAM	36	39	21.82	21.87	21.74		
15	16QAM	75	0	21.67	21.81	21.80		
15	64QAM	1	0	21.94	22.09	21.90	23.5	2
15	64QAM	1	37	21.90	22.02	21.94		
15	64QAM	1	74	21.85	22.01	21.84		
15	64QAM	36	0	20.88	20.88	20.81	22.5	3
15	64QAM	36	20	20.77	20.80	20.77		
15	64QAM	36	39	20.80	20.91	20.77		
15	64QAM	75	0	20.96	20.93	20.92		
15	256QAM	1	0	18.93	18.99	18.89	20.5	5
15	256QAM	1	37	18.90	19.00	18.88		
15	256QAM	1	74	18.75	18.87	18.78		
15	256QAM	36	0	18.79	18.98	18.76	20.5	5
15	256QAM	36	20	18.65	18.77	18.75		
15	256QAM	36	39	18.75	18.84	18.78		
15	256QAM	75	0	18.78	18.83	18.77		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.23	24.36	24.13	25.5	0
10	QPSK	1	25	24.12	24.18	24.04		
10	QPSK	1	49	23.95	24.14	24.00		
10	QPSK	25	0	22.93	23.03	22.95	24.5	1
10	QPSK	25	13	22.84	22.96	22.89		
10	QPSK	25	25	22.83	22.92	22.73		
10	QPSK	50	0	22.81	22.93	22.81		
10	16QAM	1	0	23.12	23.22	23.21	24.5	1
10	16QAM	1	25	22.96	23.11	23.13		
10	16QAM	1	49	23.06	23.08	23.08		
10	16QAM	25	0	21.84	21.84	21.79	23.5	2
10	16QAM	25	12	21.66	21.75	21.72		
10	16QAM	25	25	21.81	21.84	21.80		
10	16QAM	50	0	21.70	21.82	21.81		
10	64QAM	1	0	21.96	22.09	21.90	23.5	2
10	64QAM	1	25	21.93	22.00	21.91		
10	64QAM	1	49	21.88	21.91	21.88		
10	64QAM	25	0	20.81	20.96	20.85	22.5	3
10	64QAM	25	12	20.67	20.86	20.84		
10	64QAM	25	25	20.78	20.92	20.79		
10	64QAM	50	0	20.96	20.98	20.88		
10	256QAM	1	0	18.93	18.95	18.99	20.5	5
10	256QAM	1	25	18.85	18.92	18.88		
10	256QAM	1	49	18.81	18.83	18.79		
10	256QAM	25	0	18.84	18.97	18.76	20.5	5
10	256QAM	25	13	18.77	18.84	18.81		
10	256QAM	25	25	18.71	18.85	18.80		
10	256QAM	50	0	18.73	18.82	18.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.09	24.23	24.20	25.5	0
5	QPSK	1	12	24.02	24.10	24.03		
5	QPSK	1	24	24.00	24.12	23.96		
5	QPSK	12	0	22.92	23.06	22.96	24.5	1
5	QPSK	12	7	22.84	22.97	22.84		
5	QPSK	12	13	22.85	22.91	22.75		
5	QPSK	25	0	22.77	22.87	22.89		
5	16QAM	1	0	23.06	23.27	23.11	24.5	1
5	16QAM	1	12	23.01	23.16	23.09		
5	16QAM	1	24	23.00	23.17	23.05		
5	16QAM	12	0	21.83	21.85	21.85	23.5	2
5	16QAM	12	7	21.71	21.81	21.69		
5	16QAM	12	13	21.72	21.84	21.78		
5	16QAM	25	0	21.72	21.80	21.79		
5	64QAM	1	0	22.02	22.01	21.87	23.5	2
5	64QAM	1	12	21.87	21.94	21.94		
5	64QAM	1	24	21.86	21.91	21.90		
5	64QAM	12	0	20.81	20.98	20.85	22.5	3
5	64QAM	12	7	20.76	20.86	20.83		
5	64QAM	12	13	20.79	20.87	20.78		
5	64QAM	25	0	20.97	20.97	20.87		
5	256QAM	1	0	18.92	18.99	18.90	20.5	5
5	256QAM	1	12	18.84	18.95	18.92		
5	256QAM	1	24	18.73	18.85	18.78		
5	256QAM	12	0	18.86	18.92	18.81	20.5	5
5	256QAM	12	7	18.69	18.80	18.76		
5	256QAM	12	13	18.82	18.90	18.77		
5	256QAM	25	0	18.77	18.85	18.80		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.16	24.26	24.13	25.5	0
3	QPSK	1	8	24.05	24.14	24.06		
3	QPSK	1	14	23.92	24.10	23.96		
3	QPSK	8	0	22.95	23.00	22.96	24.5	1
3	QPSK	8	4	22.93	22.93	22.89		
3	QPSK	8	7	22.84	22.92	22.73		
3	QPSK	15	0	22.77	22.88	22.83		
3	16QAM	1	0	23.09	23.28	23.23	24.5	1
3	16QAM	1	8	23.05	23.14	23.15		
3	16QAM	1	14	23.05	23.08	23.06		
3	16QAM	8	0	21.87	21.84	21.76	23.5	2
3	16QAM	8	4	21.66	21.83	21.72		
3	16QAM	8	7	21.78	21.81	21.74		
3	16QAM	15	0	21.71	21.82	21.78		
3	64QAM	1	0	22.03	22.04	21.93	23.5	2
3	64QAM	1	8	21.86	22.00	21.93		
3	64QAM	1	14	21.87	21.93	21.85		
3	64QAM	8	0	20.81	20.90	20.80	22.5	3
3	64QAM	8	4	20.68	20.80	20.82		
3	64QAM	8	7	20.82	20.87	20.78		
3	64QAM	15	0	20.96	20.95	20.90		
3	256QAM	1	0	18.94	19.01	18.93	20.5	5
3	256QAM	1	8	18.82	18.97	18.95		
3	256QAM	1	14	18.82	18.88	18.75		
3	256QAM	8	0	18.84	18.91	18.77	20.5	5
3	256QAM	8	4	18.72	18.86	18.75		
3	256QAM	8	7	18.79	18.92	18.78		
3	256QAM	15	0	18.81	18.92	18.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.20	24.26	24.13	25.5	0
1.4	QPSK	1	3	24.02	24.16	24.05		
1.4	QPSK	1	5	23.99	24.16	23.95		
1.4	QPSK	3	0	24.14	24.20	24.18		
1.4	QPSK	3	1	24.03	24.12	24.14		
1.4	QPSK	3	3	23.99	24.14	24.03		
1.4	QPSK	6	0	22.93	23.01	22.93	24.5	1
1.4	16QAM	1	0	22.85	22.93	22.82	24.5	1
1.4	16QAM	1	3	22.85	22.96	22.76		
1.4	16QAM	1	5	22.88	22.86	22.84		
1.4	16QAM	3	0	23.04	23.27	23.23		
1.4	16QAM	3	1	22.97	23.14	23.08		
1.4	16QAM	3	3	23.00	23.10	23.10		
1.4	16QAM	6	0	21.85	21.87	21.86	23.5	2
1.4	64QAM	1	0	21.69	21.75	21.65	23.5	2
1.4	64QAM	1	3	21.72	21.90	21.79		
1.4	64QAM	1	5	21.65	21.80	21.71		
1.4	64QAM	3	0	21.98	22.11	21.92		
1.4	64QAM	3	1	21.95	22.04	21.95		
1.4	64QAM	3	3	21.93	22.00	21.83		
1.4	64QAM	6	0	20.89	20.97	20.74	22.5	3
1.4	256QAM	1	0	18.85	19.01	18.90	20.5	5
1.4	256QAM	1	3	18.84	18.95	18.87		
1.4	256QAM	1	5	18.83	18.90	18.78		
1.4	256QAM	3	0	18.83	18.88	18.81		
1.4	256QAM	3	1	18.72	18.86	18.73		
1.4	256QAM	3	3	18.78	18.94	18.75		
1.4	256QAM	6	0	18.77	18.91	18.76	20.5	5

Band 7 Ant2 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.46	24.56	24.41	25.5	0
20	QPSK	1	49	24.34	24.43	24.40		
20	QPSK	1	99	24.29	24.43	24.11		
20	QPSK	50	0	23.22	23.34	23.17	24.5	1
20	QPSK	50	24	23.21	23.21	23.11		
20	QPSK	50	50	23.12	23.25	23.05		
20	QPSK	100	0	23.08	23.25	23.08		
20	16QAM	1	0	23.35	23.54	23.53	24.5	1
20	16QAM	1	49	23.31	23.46	23.37

Band 38 Ant2 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.96	24.04	23.92	25.5	0
20	QPSK	1	49	24.00	23.98	23.90		
20	QPSK	1	99	23.90	23.93	23.84		
20	QPSK	50	0	22.98	23.12	22.97	24.5	1
20	QPSK	50	24	22.94	22.92	23.02		
20	QPSK	50	50	23.02	22.97	22.94		
20	QPSK	100	0	22.95	23.02	22.97		
20	16QAM	1	0	23.02	23.02	23.04	24.5	1
20	16QAM	1	49	22.97	22.97	22.99		
20	16QAM	1	99	22.93	23.07	23.01		
20	16QAM	50	0	22.07	22.10	21.98	23.5	2
20	16QAM	50	24	21.96	22.02	22.05		
20	16QAM	50	50	22.08	22.01	21.94		
20	16QAM	100	0	22.05	22.03	21.97		
20	64QAM	1	0	22.05	21.96	22.04	23.5	2
20	64QAM	1	49	22.00	21.93	22.05		
20	64QAM	1	99	22.08	22.02	21.99		
20	64QAM	50	0	21.04	21.13	21.03	22.5	3
20	64QAM	50	24	20.98	21.06	21.04		
20	64QAM	50	50	20.95	20.99	21.01		
20	64QAM	100	0	21.05	21.01	21.05		
20	256QAM	1	0	19.05	19.17	19.00	20.5	5
20	256QAM	1	49	19.04	19.07	19.03		
20	256QAM	1	99	19.05	18.96	19.05		
20	256QAM	50	0	19.08	19.18	19.01	20.5	5
20	256QAM	50	24	19.10	19.02	19.07		
20	256QAM	50	50	19.01	19.10	19.02		
20	256QAM	100	0	18.99	19.12	18.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.89	24.00	23.85	25.5	0
15	QPSK	1	37	23.87	23.94	23.86		
15	QPSK	1	74	23.81	23.85	23.69		
15	QPSK	36	0	22.94	23.09	22.89	24.5	1
15	QPSK	36	20	22.87	22.77	22.99		
15	QPSK	36	39	22.98	22.94	22.81		
15	QPSK	75	0	22.90	22.89	22.83		
15	16QAM	1	0	22.88	22.94	23.00	24.5	1
15	16QAM	1	37	22.84	22.86	22.95		
15	16QAM	1	74	22.84	23.04	22.89		
15	16QAM	36	0	22.01	21.98	21.88	23.5	2
15	16QAM	36	20	21.81	21.88	22.01		
15	16QAM	36	39	21.97	21.90	21.83		
15	16QAM	75	0	21.95	21.94	21.88		
15	64QAM	1	0	22.02	21.89	22.00	23.5	2
15	64QAM	1	37	21.92	21.88	21.94		
15	64QAM	1	74	22.05	21.92	21.90		
15	64QAM	36	0	20.93	21.06	20.94	22.5	3
15	64QAM	36	20	20.92	21.03	20.90		
15	64QAM	36	39	20.92	20.88	20.88		
15	64QAM	75	0	20.99	20.92	21.01		
15	256QAM	1	0	18.95	19.06	18.86	20.5	5
15	256QAM	1	37	18.94	18.94	18.92		
15	256QAM	1	74	19.02	18.84	18.93		
15	256QAM	36	0	19.00	19.13	18.94	20.5	5
15	256QAM	36	20	18.98	18.90	19.01		
15	256QAM	36	39	18.94	19.06	18.89		
15	256QAM	75	0	18.87	19.04	18.89		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.92	23.94	23.81	25.5	0
10	QPSK	1	25	23.95	23.87	23.86		
10	QPSK	1	49	23.77	23.88	23.73		
10	QPSK	25	0	22.95	23.05	22.88	24.5	1
10	QPSK	25	12	22.89	22.87	22.90		
10	QPSK	25	25	22.93	22.89	22.90		
10	QPSK	50	0	22.89	22.97	22.86		
10	16QAM	1	0	22.91	22.89	22.93	24.5	1
10	16QAM	1	25	22.88	22.93	22.94		
10	16QAM	1	49	22.90	23.02	22.89		
10	16QAM	25	0	21.98	22.01	21.89	23.5	2
10	16QAM	25	12	21.92	21.93	21.95		
10	16QAM	25	25	21.94	21.86	21.87		
10	16QAM	50	0	22.01	21.93	21.86		
10	64QAM	1	0	21.99	21.88	21.95	23.5	2
10	64QAM	1	25	21.89	21.85	21.93		
10	64QAM	1	49	22.02	21.97	21.90		
10	64QAM	25	0	20.91	21.01	20.88	22.5	3
10	64QAM	25	12	20.92	20.92	20.98		
10	64QAM	25	25	20.87	20.93	20.93		
10	64QAM	50	0	20.97	20.90	20.91		
10	256QAM	1	0	18.95	19.10	18.95	20.5	5
10	256QAM	1	25	18.92	19.03	18.93		
10	256QAM	1	49	18.91	18.89	18.95		
10	256QAM	25	0	18.95	19.06	18.89	20.5	5
10	256QAM	25	12	19.06	18.97	18.98		
10	256QAM	25	25	18.90	19.00	18.89		
10	256QAM	50	0	18.95	19.00	18.84		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.91	23.91	23.86	25.5	0
5	QPSK	1	12	23.96	23.85	23.84		
5	QPSK	1	24	23.76	23.90	23.74		
5	QPSK	12	0	22.87	22.99	22.86	24.5	1
5	QPSK	12	7	22.79	22.80	22.89		
5	QPSK	12	13	22.99	22.94	22.86		
5	QPSK	25	0	22.83	22.97	22.90		
5	16QAM	1	0	22.87	22.93	22.97	24.5	1
5	16QAM	1	12	22.90	22.93	22.91		
5	16QAM	1	24	22.89	23.00	22.98		
5	16QAM	12	0	21.95	22.06	21.90	23.5	2
5	16QAM	12	7	21.84	21.95	21.98		
5	16QAM	12	13	21.98	21.90	21.80		
5	16QAM	25	0	21.96	21.95	21.93		
5	64QAM	1	0	21.97	21.82	22.01	23.5	2
5	64QAM	1	12	21.92	21.81	22.01		
5	64QAM	1	24	21.97	21.94	21.94		
5	64QAM	12	0	20.92	21.05	20.99	22.5	3
5	64QAM	12	7	20.95	20.93	20.93		
5	64QAM	12	13	20.92	20.93	20.93		
5	64QAM	25	0	20.95	20.89	20.97		
5	256QAM	1	0	19.00	19.02	18.86	20.5	5
5	256QAM	1	12	18.99	19.03	18.98		
5	256QAM	1	24	18.96	18.87	18.95		
5	256QAM	12	0	19.00	19.11	18.94	20.5	5
5	256QAM	12	7	18.97	18.93	19.01		
5	256QAM	12	13	18.94	19.02	18.97		
5	256QAM	25	0	18.94	19.05	18.84		

Band 41 Ant2 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.98	24.01	24.05	23.95	23.81	25.5	0
20	QPSK	1	49	23.94	23.98	23.93	23.88	23.66		
20	QPSK	1	99	23.77	23.88	24.00	23.85	23.68		
20	QPSK	50	0	22.88	22.94	23.07	22.95	22.76	24.5	1
20	QPSK	50	24	22.84	22.94	22.90	23.03	22.89		
20	QPSK	50	50	23.01	23.04	22.93	23.00	22.80		
20	QPSK	100	0	22.76	22.91	23.03	22.96	22.82		
20	16QAM	1	0	23.00	23.07	23.06	23.08	22.90	24.5	1
20	16QAM	1	49	22.91	22.97	22.94	23.06	22.90		
20	16QAM	1	99	22.84	22.89	23.06	22.97	22.83		
20	16QAM	50	0	22.00	22.06	22.05	21.97	21.74	23.5	2
20	16QAM	50	24	21.89	22.01	22.00	22.00	21.79		
20	16QAM	50	50	22.03	22.09	21.99	21.94	21.70		
20	16QAM	100	0	21.93	22.05	22.04	21.97	21.75		
20	64QAM	1	0	21.88	22.02	21.98	21.99	21.78	23.5	2
20	64QAM	1	49	21.99	22.06	21.97	22.11	21.87		
20	64QAM	1	99	22.03	22.07	22.02	22.04	21.80		
20	64QAM	50	0	20.99	21.03	21.19	21.07	20.82	22.5	3
20	64QAM	50	24	20.91	20.97	21.08	21.10	20.90		
20	64QAM	50	50	20.82	20.92	20.95	21.02	20.86		
20	64QAM	100	0	20.96	21.07	20.96	21.07	20.85		
20	256QAM	1	0	18.91	19.01	19.18	18.96	18.72	20.5	5
20	256QAM	1	49	18.93	19.05	19.03	19.03	18.79		
20	256QAM	1	99	19.05	19.10	18.92	19.09	18.92		
20	256QAM	50	0	19.07	19.12	19.17	19.01	18.84	20.5	5
20	256QAM	50	24	18.98	19.10	18.97	19.06	18.91		
20	256QAM	50	50	18.91	19.04	19.05	18.98	18.84		
20	256QAM	100	0	18.93	18.96	19.12	18.91	18.66		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.89	23.91	23.98	23.82	23.74	26	0
15	QPSK	1	37	23.84	23.85	23.88	23.73	23.51		
15	QPSK	1	74	23.71	23.83	23.87	23.80	23.60		
15	QPSK	36	0	22.84	22.82	22.98	22.84	22.69	24.5	1
15	QPSK	36	20	22.75	22.89	22.78	23.00	22.77		
15	QPSK	36	39	22.90	22.94	22.86	22.95	22.75		
15	QPSK	75	0	22.63	22.79	22.97	22.85	22.77		
15	16QAM	1	0	22.92	22.96	22.96	23.03	22.80	24.5	1
15	16QAM	1	37	22.77	22.91	22.90	23.03	22.84		
15	16QAM	1	74	22.77	22.83	22.98	22.83	22.72		
15	16QAM	36	0	21.95	21.96	22.01	21.84	21.59	23.5	2
15	16QAM	36	20	21.83	21.91	21.92	21.93	21.73		
15	16QAM	36	39	21.98	22.05	21.86	21.90	21.59		
15	16QAM	75	0	21.81	21.96	21.93	21.85	21.68		
15	64QAM	1	0	21.76	21.90	21.91	21.85	21.73	23.5	2
15	64QAM	1	37	21.94	21.91	21.89	21.96	21.76		
15	64QAM	1	74	21.94	22.01	21.95	21.90	21.77		
15	64QAM	36	0	20.91	20.92	21.12	20.99	20.73	22.5	3
15	64QAM	36	20	20.81	20.85	20.99	20.96	20.86		
15	64QAM	36	39	20.67	20.88	20.87	20.87	20.73		
15	64QAM	75	0	20.89	20.93	20.85	21.02	20.70		
15	256QAM	1	0	18.84	18.90	19.06	18.93	18.61	20.5	5
15	256QAM	1	37	18.84	18.95	18.88	18.94	18.75		
15	256QAM	1	74	18.97	18.98	18.77	19.01	18.83		
15	256QAM	36	0	19.03	19.08	19.10	18.95	18.75	20.5	5
15	256QAM	36	20	18.91	19.00	18.83	18.97	18.86		
15	256QAM	36	39	18.86	19.01	19.02	18.94	18.75		
15	256QAM	75	0	18.88	18.84	18.99	18.83	18.53		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.92	23.92	24.01	23.88	23.68	26	0
10	QPSK	1	25	23.90	23.91	23.87	23.79	23.60		
10	QPSK	1	49	23.70	23.77	23.89	23.76	23.58		
10	QPSK	25	0	22.82	22.89	22.94	22.81	22.68	24.5	1
10	QPSK	25	12	22.79	22.89	22.77	22.94	22.85		
10	QPSK	25	25	22.93	22.91	22.82	22.95	22.69		
10	QPSK	50	0	22.70	22.87	22.96	22.84	22.75		
10	16QAM	1	0	22.96	23.02	22.95	23.02	22.76	24.5	1
10	16QAM	1	25	22.81	22.87	22.82	22.96	22.78		
10	16QAM	1	49	22.81	22.75	22.93	22.84	22.72		
10	16QAM	25	0	21.89	22.00	21.96	21.91	21.69	23.5	2
10	16QAM	25	12	21.75	21.98	21.91	21.96	21.74		
10	16QAM	25	25	21.98	22.01	21.86	21.82	21.66		
10	16QAM	50	0	21.88	22.02	21.96	21.93	21.60		
10	64QAM	1	0	21.83	21.92	21.86	21.88	21.73	23.5	2
10	64QAM	1	25	21.95	21.92	21.86	22.07	21.82		
10	64QAM	1	49	21.88	22.03	21.89	21.92	21.72		
10	64QAM	25	0	20.87	20.92	21.10	21.03	20.74	22.5	3
10	64QAM	25	12	20.82	20.91	20.96	21.04	20.76		
10	64QAM	25	25	20.76	20.79	20.91	20.93	20.74		
10	64QAM	50	0	20.91	21.03	20.93	21.01	20.78		
10	256QAM	1	0	18.77	18.86	19.06	18.91	18.57	20.5	5
10	256QAM	1	25	18.80	18.99	18.97	18.92	18.72		
10	256QAM	1	49	18.98	19.01	18.89	18.99	18.82		
10	256QAM	25	0	18.99	18.99	19.02	18.86	18.79	20.5	5
10	256QAM	25	12	18.87	18.99	18.90	19.00	18.83		
10	256QAM	25	25	18.88	18.96	18.96	18.87	18.75		
10	256QAM	50	0	18.78	18.84	18.99	18.88	18.60		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.84	23.93	23.97	23.86	23.68	26	0
5	QPSK	1	12	23.83	23.91	23.88	23.83	23.60		
5	QPSK	1	24	23.72	23.84	23.93	23.70	23.57		
5	QPSK	12	0	22.76	22.83	22.93	22.87	22.73	24.5	1
5	QPSK	12	7	22.73	22.90	22.81	22.93	22.78		
5	QPSK	12	13	22.87	22.94	22.81	22.89	22.74		
5	QPSK	25	0	22.69	22.77	22.90	22.89	22.70		
5	16QAM	1	0	22.96	22.97	22.94	23.04	22.86	24.5	1
5	16QAM	1	12	22.84	22.86	22.89	22.93	22.76		
5	16QAM	1	24	22.72	22.84	22.95	22.92	22.80		
5	16QAM	12	0	21.95	22.03	21.92	21.84	21.69	23.5	2
5	16QAM	12	7	21.82	21.88	21.90	21.86	21.65		
5	16QAM	12	13	21.89	22.02	21.87	21.88	21.65		
5	16QAM	25	0	21.80	21.97	21.96	21.93	21.60		
5	64QAM	1	0	21.84	21.88	21.89	21.90	21.64	23.5	2
5	64QAM	1	12	21.91	21.98	21.90	22.08	21.79		
5	64QAM	1	24	21.98	21.95	21.96	21.91	21.66		
5	64QAM	12	0	20.85	20.97	21.05	21.01	20.73	22.5	3
5	64QAM	12	7	20.77	20.88	21.02	21.01	20.77		
5	64QAM	12	13	20.79	20.84	20.87	20.88	20.76		
5	64QAM	25	0	20.93	20.97	20.89	20.96	20.74		
5	256QAM	1	0	18.79	18.86	19.11	18.88	18.61	20.5	5
5	256QAM	1	12	18.85	18.96	18.99	18.99	18.67		
5	256QAM	1	24	18.98	19.00	18.89	19.01	18.85		
5	256QAM	12	0	18.99	18.98	19.04	18.95	18.72	20.5	5
5	256QAM	12	7	18.88	18.98	18.87	18.96	18.87		
5	256QAM	12	13	18.78	18.90	19.01	18.89	18.76		
5	256QAM	25	0	18.82	18.93	18.99	18.77	18.53		

	GSM1900 Ant3 DSI4							
GSM1900 Ant3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.42	29.55	29.27	31.00	20.42	20.55	20.27	22.00
GPRS 1 Tx slot	29.52	29.57	29.38	31.00	20.52	20.57	20.38	22.00
GPRS 2 Tx slots	26.03	26.08	26.34	28.00	20.03	20.08	20.34	22.00
GPRS 3 Tx slots	24.57	24.53	24.32	26.20	20.31	20.27	20.06	21.94
GPRS 4 Tx slots	23.42	23.46	23.25	25.00	20.42	20.46	20.25	22.00
EDGE 1 Tx slot	25.01	25.18	25.04	26.50	16.01	16.18	16.04	17.50
EDGE 2 Tx slots	22.37	22.54	22.17	23.50	16.37	16.54	16.17	17.50
EDGE 3 Tx slots	21.10	21.13	21.05	21.70	16.84	16.87	16.79	17.44
EDGE 4 Tx slots	19.27	19.25	19.25	20.50	16.27	16.25	16.25	17.50

		WCDMA II Ant3 DSI4				WCDMA IV Ant3 DSI4			
Band		WCDMA II Ant3			Tune-up Limit (dBm)	WCDMA IV Ant3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.54	22.64	22.61	24.00	23.05	23.09	22.98	24.50
3GPP Rel 99	RMC 12.2Kbps	22.62	22.67	22.62	24.00	23.08	23.11	23.04	24.50
3GPP Rel 6	HSDPA Subtest-1	21.64	21.65	21.65	23.00	22.12	22.22	22.12	23.00
3GPP Rel 6	HSDPA Subtest-2	21.53	21.58	21.58	23.00	22.14	22.11	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.09	21.20	21.10	22.50	21.59	21.65	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.04	21.12	21.14	22.50	21.55	21.62	21.61	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.62	21.67	21.58	23.00	22.11	22.11	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.45	21.53	21.55	23.00	21.98	22.11	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.95	21.17	21.05	22.50	21.45	21.70	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.91	21.12	21.01	22.50	21.37	21.53	21.59	22.50
3GPP Rel 6	HSUPA Subtest-1	21.40	21.56	21.52	23.00	21.90	22.02	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	19.62	19.71	19.64	21.00	20.04	20.16	20.15	21.00
3GPP Rel 6	HSUPA Subtest-3	20.62	20.76	20.76	22.00	21.10	21.20	21.23	22.00
3GPP Rel 6	HSUPA Subtest-4	19.52	19.60	19.49	21.00	20.06	20.06	20.05	21.00
3GPP Rel 6	HSUPA Subtest-5	21.48	21.65	21.55	23.00	21.95	22.15	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.17	19.21	19.23	20.50	19.61	19.71	19.63	20.50

Band 2 Ant3 DSI4 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.33	23.45	23.29	25	0
20	QPSK	1	49	23.39	23.29	23.30		
20	QPSK	50	0	23.26	23.32	23.12		
20	QPSK	50	24	22.08	22.33	22.10	24	1
20	QPSK	50	50	22.18	22.28	22.13		
20	QPSK	100	0	22.23	22.06	22.20		
20	QPSK	100	50	22.10	22.25	22.24		
20	16QAM	1	0	22.38	22.36	22.23	24	1
20	16QAM	1	49	22.33	22.36	22.36		
20	16QAM	1	99	22.24	22.27	22.32		
20	16QAM	50	0	21.17	21.21	21.15	23	2
20	16QAM	50	24	21.06	21.10	21.21		
20	16QAM	50	50	21.27	21.07	21.14		
20	16QAM	100	0	21.13	21.10	21.06		
20	64QAM	1	0	21.37	21.38	21.32	23	2
20	64QAM	1	49	21.20	21.22	21.04		
20	64QAM	1	99	21.17	21.13	21.19		
20	64QAM	50	0	20.14	20.24	20.33	22	3
20	64QAM	50	24	20.11	20.21	20.24		
20	64QAM	50	50	20.14	20.23	20.09		
20	64QAM	100	0	20.09	20.14	20.09		
20	256QAM	1	0	18.23	18.39	18.36	20	5
20	256QAM	1	49	18.39	18.43	18.31		
20	256QAM	1	99	18.22	18.28	18.29		
20	256QAM	50	0	18.22	18.43	18.18	20	5
20	256QAM	50	24	18.13	18.18	18.25		
20	256QAM	50	50	18.26	18.39	18.17		
20	256QAM	100	0	18.16	18.15	18.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.20	23.21	23.37	25	0
15	QPSK	1	37	23.30	23.35	23.26		
15	QPSK	1	74	23.15	23.41	23.14		
15	QPSK	36	0	22.19	22.30	22.05	24	1
15	QPSK	36	20	22.12	22.28	22.18		
15	QPSK	36	39	22.05	22.04	22.17		
15	QPSK	75	0	22.19	22.33	22.11		
15	16QAM	1	0	22.31	22.54	22.40	24	1
15	16QAM	1	37	22.41	22.39	22.35		
15	16QAM	1	74	22.17	22.33	22.35		
15	16QAM	36	0	21.11	21.20	21.07	23	2
15	16QAM	36	20	21.14	21.08	21.07		
15	16QAM	36	39	21.13	21.28	21.24		
15	16QAM	75	0	21.24	21.20	21.14		
15	64QAM	1	0	21.30	21.36	21.27	23	2
15	64QAM	1	37	21.20	21.19	21.15		
15	64QAM	1	74	21.11	21.20	21.25		
15	64QAM	36	0	20.22	20.42	20.35	22	3
15	64QAM	36	20	20.15	20.24	20.04		
15	64QAM	36	39	20.22	20.34	20.17		
15	64QAM	75	0	20.06	20.14	20.09		
15	256QAM	1	0	18.30	18.31	18.43	20	5
15	256QAM	1	37	18.30	18.28	18.29		
15	256QAM	1	74	18.39	18.31	18.20		
15	256QAM	36	0	18.14	18.19	18.12	20	5
15	256QAM	36	20	18.22	18.23	18.11		
15	256QAM	36	39	18.06	18.23	18.16		
15	256QAM	75	0	18.16	18.26	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.43	23.31	23.33	25	0
10	QPSK	1	25	23.25	23.29	23.18		
10	QPSK	1	49	23.29	23.26	23.21		
10	QPSK	25	0	22.11	22.28	22.22	24	1
10	QPSK	25	12	22.05	22.14	22.15		
10	QPSK	25	25	22.02	22.20	22.18		
10	QPSK	50	0	22.22	22.18	22.19		
10	16QAM	1	0	22.42	22.46	22.30	24	1
10	16QAM	1	25	22.31	22.42	22.40		
10	16QAM	1	49	22.23	22.36	22.20		
10	16QAM	25	0	21.08	21.14	21.18	23	2
10	16QAM	25	12	21.04	21.11	21.09		
10	16QAM	25	25	21.08	21.24	21.26		
10	16QAM	50	0	21.17	21.11	21.19		
10	64QAM	1	0	21.38	21.37	21.21	23	2
10	64QAM	1	25	21.23	21.29	21.25		
10	64QAM	1	49	21.14	21.19	21.09		
10	64QAM	25	0	20.24	20.18	20.16	22	3
10	64QAM	25	12	20.14	20.16	20.16		
10	64QAM	25	25	20.16	20.22	20.12		
10	64QAM	50	0	20.12	20.32	20.07		
10	256QAM	1	0	18.23	18.50	18.37	20	5
10	256QAM	1	25	18.32	18.42	18.27		
10	256QAM	1	49	18.37	18.40	18.25		
10	256QAM	25	0	18.22	18.24	18.22	20	5
10	256QAM	25	12	18.13	18.26	18.21		
10	256QAM	25	25	18.16	18.21	18.20		
10	256QAM	50	0	18.27	18.13	18.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.43	23.32	23.41	25	0
5	QPSK	1	12	23.40	23.31	23.39		
5	QPSK	1	24	23.36	23.44	23.19		
5	QPSK	12	0	22.26	22.20	22.10	24	1
5	QPSK	12	7	22.09	22.27	22.26		
5	QPSK	12	13	22.18	22.06	22.23		
5	QPSK	25	0	22.22	22.24	22.10		
5	16QAM	1	0	22.39	22.47	22.37	24	1
5	16QAM	1	12	22.25	22.47	22.28		
5	16QAM	1	24	22.33	22.25	22.33		
5	16QAM	12	0	21.12	21.29	21.20	23	2
5	16QAM	12	7	21.03	21.06	21.08		
5	16QAM	12	13	21.26	21.11	21.27		
5	16QAM	25	0	21.30	21.17	21.12		
5	64QAM	1	0	21.38	21.29	21.26	23	2
5	64QAM	1	12	21.30	21.32	21.04		
5	64QAM	1	24	21.06	21.19	21.12		
5	64QAM	12	0	20.06	20.35	20.21	22	3
5	64QAM	12	7	20.11	20.27	20.06		
5	64QAM	12	13	20.13	20.37	20.22		
5	64QAM	25	0	20.15	20.24	20.24		
5	256QAM	1	0	18.22	18.43	18.30	20	5
5	256QAM	1	12	18.40	18.42	18.34		
5	256QAM	1	24	18.35	18.27	18.28		
5	256QAM	12	0	18.14	18.40	18.24	20	5
5	256QAM	12	7	18.16	18.29	18.11		
5	256QAM	12	13	18.15	18.37	18.20		
5	256QAM	25	0	18.08	18.26	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.32	23.40	23.35	25	0
3	QPSK	1	8	23.25	23.31	23.17		
3	QPSK	1	14	23.37	23.28	23.16		
3	QPSK	8	0	22.21	22.20	22.18	24	1
3	QPSK	8	4	22.06	22.29	22.17		
3	QPSK	8	7	22.06	22.19	22.17		
3	QPSK	15	0	22.18	22.15	22.11		
3	16QAM	1	0	22.47	22.38	22.27	24	1
3	16QAM	1	8	22.28	22.41	22.42		
3	16QAM	1	14	22.19	22.44	22.31		
3	16QAM	8	0	21.18	21.28	21.15	23	2
3	16QAM	8	4	21.09	21.22	21.18		
3	16QAM	8	7	21.18	21.17	21.27		
3	16QAM	15	0	21.16	21.14	21.10		
3	64QAM	1	0	21.19	21.24	21.22	23	2
3	64QAM	1	8	21.35	21.21	21.10		
3	64QAM	1	14	21.10	21.20	21.27		
3	64QAM	8	0	20.13	20.28	20.22	22	3
3	64QAM	8	4	20.24	20.16	20.23		
3	64QAM	8	7	20.18	20.15	20.19		
3	64QAM	15	0	20.22	20.22	20.13		
3	256QAM	1	0	18.41	18.34	18.32	20	5
3	256QAM	1	8	18.43	18.36	18.27		
3	256QAM	1	14	18.19	18.33	18.29		
3	256QAM	8	0	18.22	18.35	18.28	20	5
3	256QAM	8	4	18.15	18.31	18.13		
3	256QAM	8	7	18.15	18.25	18.08		
3	256QAM	15	0	18.26	18.11	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.27	23.35	23.30	25	0
1.4	QPSK	1	3	23.24	23.31	23.21		
1.4	QPSK	1	5	23.23	23.30	23.15		
1.4	QPSK	3	0	23.30	23.40	23.31		
1.4	QPSK	3	1	23.36	23.27	23.10		
1.4	QPSK	3	3	23.15	23.40	23.06		
1.4	QPSK	6	0	22.29	22.38	22.29	24	1
1.4	16QAM	1	0	22.27	22.39	22.39	24	1
1.4	16QAM	1	3	22.28	22.40	22.14		
1.4	16QAM	1	5	22.26	22.52	22.33		
1.4	16QAM	3	0	22.28	22.29	22.15		
1.4	16QAM	3	1	22.15	22.28	22.27		
1.4	16QAM	3	3	22.15	22.30	22.26		
1.4	16QAM	6	0	21.26	21.27	21.17	23	2
1.4	64QAM	1	0	21.36	21.36	21.03	23	2
1.4	64QAM	1	3	21.20	21.18	21.19		
1.4	64QAM	1	5	21.13	21.26	21.34		
1.4	64QAM	3	0	21.14	21.30	21.39		
1.4	64QAM	3	1	21.29	21.19	21.15		
1.4	64QAM	3	3	21.08	21.14	21.09		
1.4	64QAM	6	0	20.26	20.26	20.09	22	3
1.4	256QAM	1	0	18.31	18.36	18.23	20	5
1.4	256QAM	1	3	18.32	18.30	18.33		
1.4	256QAM	1	5	18.25	18.17	18.16		
1.4	256QAM	3	0	18.35	18.29	18.28		
1.4	256QAM	3	1	18.35	18.24	18.43		
1.4	256QAM	3	3	18.17	18.43	18.14		
1.4	256QAM	6	0	18.33	18.35	18.39	20	5

Band 4 Ant3 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.27	23.38	23.25	25	0
20	QPSK	1	49	23.20	23.30	23.19		
20	QPSK	50	0	21.05	21.15	21.08		
20	QPSK	50	25	22.05	22.17	22.06	24	1
20	QPSK	50	24	22.05	22.11	22.06		
20	QPSK	50	50	22.01	22.06	22.02		
20	QPSK	100	0	22.02	22.15	22.07		
20	16QAM	1	0	22.30	22.37	22.23	24	1
20	16QAM	1	49	22.24	22.31	22.20		
20	16QAM	1	99	22.15	22.27	22.15		
20	16QAM	50	0	21.05	21.13	21.08	23	2
20	16QAM	50	24	21.02	21.05	21.03		
20	16QAM	50	50	21.05	21.09	21.07		
20	16QAM	100	0	21.09	21.11	21.00		
20	64QAM	1	0	21.18	21.25	21.20	23	2
20	64QAM	1	49	21.15	21.19	21.05		
20	64QAM	1	99	21.02	21.15	21.10		
20	64QAM	50	0	20.07	20.20	20.14	22	3
20	64QAM	50	24	20.04	20.11	20.02		
20	64QAM	50	50	20.05	20.16	20.07		
20	64QAM	100	0	20.06	20.14	20.06		
20	256QAM	1	0	18.23	18.33	18.22	20	5
20	256QAM	1	49	18.24	18.30	18.22		
20	256QAM	1	99	18.18	18.25	18.19		
20	256QAM	50	0	18.07	18.21	18.13	20	5
20	256QAM	50	24	18.03	18.11	18.03		
20	256QAM	50	50	18.05	18.17	18.10		
20	256QAM	100	0	18.06	18.10	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.28	23.34	23.30	25	0
15	QPSK	1	37	23.18	23.31	23.21		
15	QPSK	1	74	23.10	23.17	23.16		
15	QPSK	36	0	22.25	22.18	22.15	24	1
15	QPSK	36	20	22.28	22.06	22.18		
15	QPSK	36	39	22.20	22.11	22.10		
15	QPSK	75	0	22.25	22.10	22.15		
15	16QAM	1	0	22.22	22.35	22.26	24	1
15	16QAM	1	37	22.23	22.30	22.24		
15	16QAM	1	74	22.13	22.37	22.25		
15	16QAM	36	0	21.03	21.11	21.12	23	2
15	16QAM	36	20	21.02	21.06	21.06		
15	16QAM	36	39	21.04	21.08	21.17		
15	16QAM	75	0	21.07	21.07	21.07		
15	64QAM	1	0	21.09	21.16	21.32	23	2
15	64QAM	1	37	21.12	21.21	21.12		
15	64QAM	1	74	21.06	21.09	21.19		
15	64QAM	36	0	20.03	20.20	20.16	22	3
15	64QAM	36	20	20.12	20.12	20.08		
15	64QAM	36	39	20.12	20.16	20.10		
15	64QAM	75	0	20.00	20.15	20.12		
15	256QAM	1	0	18.21	18.30	18.28	20	5
15	256QAM	1	37	18.18	18.31	18.29		
15	256QAM	1	74	18.15	18.16	18.24		
15	256QAM	36	0	18.08	18.14	18.18	20	5
15	256QAM	36	20	18.01	18.01	18.07		
15	256QAM	36	39	18.07	18.17	18.10		
15	256QAM	75	0	18.06	18.08	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.36	23.35	23.32	25	0
10	QPSK	1	25	23.22	23.22	23.23		
10	QPSK	1	49	23.07	23.22	23.21		
10	QPSK	25	0	22.04	22.11	22.16	24	1
10	QPSK	25	12	22.06	22.07	22.15		
10	QPSK	25	25	22.02	22.08	22.08		
10	QPSK	50	0	22.09	22.11	22.13		
10	16QAM	1	0	22.36	22.30	22.32	24	1
10	16QAM	1	25	22.26	22.33	22.21		
10	16QAM	1	49	22.21	22.17	22.22		
10	16QAM	25	0	21.10	21.07	21.19	23	2
10	16QAM	25	12	21.06	21.07	21.06		
10	16QAM	25	25	21.04	21.02	21.11		
10	16QAM	50	0	21.02	21.04	21.09		
10	64QAM	1	0	21.13	21.19	21.20	23	2
10	64QAM	1	25	21.15	21.13	21.09		
10	64QAM	1	49	21.01	21.06	21.17		
10	64QAM	25	0	20.07	20.19	20.17	22	3
10	64QAM	25	12	20.13	20.04	20.13		
10	64QAM	25	25	20.10	20.08	20.13		
10	64QAM	50	0	20.12	20.16	20.07		
10	256QAM	1	0	18.28	18.32	18.26	20	5
10	256QAM	1	25	18.30	18.21	18.31		
10	256QAM	1	49	18.14	18.26	18.25		
10	256QAM	25	0	18.07	18.23	18.16	20	5
10	256QAM	25	12	18.02	18.05	18.05		
10	256QAM	25	25	18.06	18.15	18.17		
10	256QAM	50	0	18.04	18.05	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.18	23.29	23.28	25	0
5	QPSK	1	12	23.16	23.30	23.31		
5	QPSK	1	24	23.14	23.27	23.20		
5	QPSK	12	0	22.02	22.09	22.17	24	1
5	QPSK	12	7	22.07	22.09	22.16		
5	QPSK	12	13	22.04	22.16	22.12		
5	QPSK	25	0	22.03	22.07	22.08		
5	16QAM	1	0	22.31	22.27	22.33	24	1
5	16QAM	1	12	22.16	22.33	22.23		
5	16QAM	1	24	22.10	22.19	22.23		
5	16QAM	12	0	21.03	21.04	21.12	23	2
5	16QAM	12	7	21.01	21.17	21.10		
5	16QAM	12	13	21.04	21.08	21.10		
5	16QAM	25	0	21.09	21.04	21.11		
5	64QAM	1	0	21.20	21.25	21.25	23	2
5	64QAM	1	12	21.06	21.14	21.15		
5	64QAM	1	24	21.08	21.09	21.20		
5	64QAM	12	0	20.04	20.15	20.23	22	3
5	64QAM	12	7	20.05	20.01	20.13		
5	64QAM	12	13	20.04	20.11	20.16		
5	64QAM	25	0	20.04	20.09	20.12		
5	256QAM	1	0	18.22	18.33	18.24	20	5
5	256QAM	1	12	18.24	18.25	18.22		
5	256QAM	1	24	18.20	18.23	18.29		
5	256QAM	12	0	18.08	18.22	18.17	20	5
5	256QAM	12	7	18.05	18.10	18.09		
5	256QAM	12	13	18.00	18.12	18.15		
5	256QAM	25	0	18.07	18.11	18.10		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.22	23.35	23.30	25	0
3	QPSK	1	8	23.21	23.23	23.28		
3	QPSK	1	14	23.06	23.12	23.26		
3	QPSK	8	0	22.20	22.10	22.17	24	1
3	QPSK	8	4	22.22	22.12	22.07		
3	QPSK	8	7	22.20	22.10	22.02		
3	QPSK	15	0	22.26	22.16	22.07		
3	16QAM	1	0	22.35	22.25	22.36	24	1
3	16QAM	1	8	22.39	22.29	22.30		
3	16QAM	1	14	22.26	22.16	22.18		
3	16QAM	8	0	21.21	21.11	21.10	23	2
3	16QAM	8	4	21.08	21.00	21.00		
3	16QAM	8	7	21.24	21.14	21.08		
3	16QAM	15	0	21.13	21.03	21.09		
3	64QAM	1	0	21.31	21.21	21.16	23	2
3	64QAM	1	8	21.16	21.06	21.12		
3	64QAM	1	14	21.30	21.20	21.13		
3	64QAM	8	0	20.36	20.26	20.15	22	3
3	64QAM	8	4	20.20	20.10	20.13		
3	64QAM	8	7	20.21	20.11	20.15		
3	64QAM	15	0	20.21	20.11	20.08		
3	256QAM	1	0	18.40	18.30	18.26	20	5
3	256QAM	1	8	18.42	18.32	18.23		
3	256QAM	1	14	18.40	18.30	18.22		
3	256QAM	8	0	18.31	18.21	18.15	20	5
3	256QAM	8	4	18.13	18.03	18.05		
3	256QAM	8	7	18.21	18.11	18.10		
3	256QAM	15	0	18.07	18.03	18.01		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.23	23.34	23.21	25	0
1.4	QPSK	1	3	23.16	23.26	23.14		
1.4	QPSK	1	5	23.05	23.24	23.09		
1.4	QPSK	3	0	23.22	23.30	23.20		
1.4	QPSK	3	1	23.20	23.23	23.09		
1.4	QPSK	3	3	23.05	23.18	23.03		
1.4	QPSK	6	0	22.27	22.35	22.25	24	1
1.4	16QAM	1	0	22.18	22.31	22.22	24	1
1.4	16QAM	1	3	22.11	22.28	22.13		
1.4	16QAM	1	5	22.23	22.31	22.16		
1.4	16QAM	3	0	22.15	22.28	22.14		
1.4	16QAM	3	1	22.09	22.23	22.10		
1.4	16QAM	3	3	22.14	22.21	22.15		
1.4	16QAM	6	0	21.09	21.25	21.13	23	2
1.4	64QAM	1	0	21.15	21.18	21.04	23	2
1.4	64QAM	1	3	21.04	21.09	21.02		
1.4	64QAM	1	5	21.15	21.22	21.21		
1.4	64QAM	3	0	21.12	21.23	21.21		
1.4	64QAM	3	1	21.07	21.11	21.02		
1.4	64QAM	3	3	21.01	21.14	21.01		
1.4	64QAM	6	0	20.05	20.11	20.09	22	3
1.4	256QAM	1	0	18.22	18.29	18.20	20	5
1.4	256QAM	1	3	18.22	18.23	18.22		
1.4	256QAM	1	5	18.17	18.17	18.14		
1.4	256QAM	3	0	18.17	18.26	18.20		
1.4	256QAM	3	1	18.18	18.24	18.24		
1.4	256QAM	3	3	18.16	18.23	18.14		
1.4	256QAM	6	0	18.15	18.16	18.17	20	5

Band 7 Ant3 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.57	23.83	23.60	25	0
20	QPSK	1	49	23.52	23.55	23.48		
20	QPSK	1	99	23.38	23.50	23.42		
20	QPSK	50	0	22.28	22.40	22.31	24	1
20	QPSK	50	24	22.26	22.34	22.25		
20	QPSK	50	50	22.21	22.29	22.15		
20	QPSK	100	0	22.26	22.38	22.33		
20	16QAM	1	0	22.67	22.73	22.66	24	1
20	16QAM	1	49	22.63	22.67	22.58		
20	16QAM	1	99	22.49	22.63	22.58		
20	16QAM	50	0	21.32	21.42	21.29	23	2
20	16QAM	50	24	21.30	21.34	21.19		
20	16QAM	50	50	21.35	21.38	21.30		
20	16QAM	100	0	21.35	21.

Band 38 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.32	23.45	23.41	25	0
20	QPSK	1	49	23.23	23.31	23.26		
20	QPSK	1	99	23.14	23.20	23.11		
20	QPSK	50	0	22.20	22.37	22.28	24	1
20	QPSK	50	24	22.24	22.23	22.18		
20	QPSK	50	50	22.08	22.22	22.14		
20	QPSK	100	0	22.23	22.34	22.16		
20	16QAM	1	0	22.65	22.73	22.63	24	1
20	16QAM	1	49	22.57	22.62	22.50		
20	16QAM	1	99	22.31	22.64	22.51		
20	16QAM	50	0	21.25	21.38	21.18	23	2
20	16QAM	50	24	21.28	21.24	21.11		
20	16QAM	50	50	21.29	21.36	21.16		
20	16QAM	100	0	21.27	21.32	21.27		
20	64QAM	1	0	21.37	21.57	21.38	23	2
20	64QAM	1	49	21.39	21.34	21.29		
20	64QAM	1	99	21.28	21.45	21.28		
20	64QAM	50	0	20.20	20.26	20.27	22	3
20	64QAM	50	24	20.03	20.25	20.06		
20	64QAM	50	50	20.12	20.28	20.16		
20	64QAM	100	0	20.26	20.29	20.13		
20	256QAM	1	0	18.36	18.45	18.23	20	5
20	256QAM	1	49	18.36	18.34	18.23		
20	256QAM	1	99	18.29	18.35	18.22		
20	256QAM	50	0	18.18	18.27	18.22	20	5
20	256QAM	50	24	18.12	18.20	18.17		
20	256QAM	50	50	18.20	18.22	18.19		
20	256QAM	100	0	18.16	18.32	18.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.23	23.39	23.31	25	0
15	QPSK	1	37	23.15	23.23	23.21		
15	QPSK	1	74	23.10	23.14	23.01		
15	QPSK	36	0	22.10	22.30	22.17	24	1
15	QPSK	36	20	22.18	22.15	22.08		
15	QPSK	36	39	22.00	22.11	22.11		
15	QPSK	75	0	22.15	22.30	22.13		
15	16QAM	1	0	22.58	22.60	22.58	24	1
15	16QAM	1	37	22.48	22.58	22.46		
15	16QAM	1	74	22.19	22.60	22.38		
15	16QAM	36	0	21.20	21.27	21.12	23	2
15	16QAM	36	20	21.20	21.13	21.00		
15	16QAM	36	39	21.20	21.28	21.12		
15	16QAM	75	0	21.21	21.21	21.21		
15	64QAM	1	0	21.28	21.44	21.23	23	2
15	64QAM	1	37	21.34	21.26	21.18		
15	64QAM	1	74	21.16	21.31	21.17		
15	64QAM	36	0	20.15	20.13	20.14	22	3
15	64QAM	36	20	20.04	20.11	20.07		
15	64QAM	36	39	20.08	20.16	20.04		
15	64QAM	75	0	20.12	20.22	20.02		
15	256QAM	1	0	18.30	18.31	18.11	20	5
15	256QAM	1	37	18.29	18.30	18.16		
15	256QAM	1	74	18.19	18.22	18.14		
15	256QAM	36	0	18.14	18.14	18.12	20	5
15	256QAM	36	20	18.08	18.16	18.10		
15	256QAM	36	39	18.19	18.08	18.14		
15	256QAM	75	0	18.04	18.26	18.19		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.26	23.40	23.30	25	0
10	QPSK	1	25	23.15	23.17	23.16		
10	QPSK	1	49	23.03	23.08	23.06		
10	QPSK	25	0	22.14	22.26	22.18	24	1
10	QPSK	25	12	22.16	22.13	22.10		
10	QPSK	25	25	22.06	22.11	22.08		
10	QPSK	50	0	22.11	22.21	22.13		
10	16QAM	1	0	22.60	22.67	22.60	24	1
10	16QAM	1	25	22.43	22.54	22.44		
10	16QAM	1	49	22.17	22.50	22.41		
10	16QAM	25	0	21.17	21.33	21.06	23	2
10	16QAM	25	12	21.16	21.09	21.00		
10	16QAM	25	25	21.19	21.29	21.11		
10	16QAM	50	0	21.16	21.18	21.18		
10	64QAM	1	0	21.29	21.53	21.30	23	2
10	64QAM	1	25	21.28	21.29	21.15		
10	64QAM	1	49	21.25	21.41	21.14		
10	64QAM	25	0	20.10	20.23	20.23	22	3
10	64QAM	25	12	20.04	20.15	20.09		
10	64QAM	25	25	20.09	20.16	20.02		
10	64QAM	50	0	20.16	20.25	20.06		
10	256QAM	1	0	18.23	18.35	18.17	20	5
10	256QAM	1	25	18.25	18.25	18.11		
10	256QAM	1	49	18.18	18.26	18.16		
10	256QAM	25	0	18.11	18.23	18.14	20	5
10	256QAM	25	12	18.08	18.12	18.10		
10	256QAM	25	25	18.16	18.17	18.08		
10	256QAM	50	0	18.11	18.28	18.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.29	23.35	23.33	25	0
5	QPSK	1	12	23.13	23.18	23.12		
5	QPSK	1	24	23.06	23.10	23.07		
5	QPSK	12	0	22.08	22.22	22.13	24	1
5	QPSK	12	7	22.10	22.16	22.04		
5	QPSK	12	13	22.03	22.17	22.02		
5	QPSK	25	0	22.11	22.31	22.03		
5	16QAM	1	0	22.59	22.62	22.48	24	1
5	16QAM	1	12	22.49	22.55	22.36		
5	16QAM	1	24	22.24	22.53	22.37		
5	16QAM	12	0	21.20	21.29	21.05	23	2
5	16QAM	12	7	21.14	21.14	21.09		
5	16QAM	12	13	21.22	21.21	21.05		
5	16QAM	25	0	21.22	21.20	21.13		
5	64QAM	1	0	21.27	21.51	21.33	23	2
5	64QAM	1	12	21.28	21.31	21.21		
5	64QAM	1	24	21.17	21.39	21.21		
5	64QAM	12	0	20.05	20.14	20.19	22	3
5	64QAM	12	7	20.06	20.11	20.05		
5	64QAM	12	13	20.09	20.17	20.07		
5	64QAM	25	0	20.14	20.24	20.06		
5	256QAM	1	0	18.32	18.35	18.15	20	5
5	256QAM	1	12	18.31	18.31	18.18		
5	256QAM	1	24	18.23	18.32	18.19		
5	256QAM	12	0	18.12	18.15	18.14	20	5
5	256QAM	12	7	18.04	18.18	18.07		
5	256QAM	12	13	18.10	18.09	18.12		
5	256QAM	25	0	18.02	18.20	18.21		

Band 41 Ant3 Default Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.41	23.36	23.48	23.29	23.26	25	0
20	QPSK	1	49	23.18	23.24	23.41	23.23	23.18		
20	QPSK	1	99	23.02	23.17	23.22	23.16	23.03		
20	QPSK	50	0	22.25	22.29	22.39	22.35	22.29	24	1
20	QPSK	50	24	22.14	22.29	22.30	22.27	22.14		
20	QPSK	50	50	22.06	22.18	22.31	22.15	22.06		
20	QPSK	100	0	22.14	22.30	22.40	22.21	22.08		
20	16QAM	1	0	22.57	22.76	22.82	22.71	22.59	24	1
20	16QAM	1	49	22.38	22.65	22.69	22.52	22.46		
20	16QAM	1	99	22.50	22.35	22.75	22.59	22.45		
20	16QAM	50	0	21.15	21.34	21.47	21.19	21.08	23	2
20	16QAM	50	24	21.09	21.34	21.30	21.16	21.06		
20	16QAM	50	50	21.22	21.36	21.41	21.26	21.16		
20	16QAM	100	0	21.21	21.36	21.35	21.28	21.23		
20	64QAM	1	0	21.40	21.38	21.66	21.50	21.37	23	2
20	64QAM	1	49	21.21	21.43	21.35	21.31	21.27		
20	64QAM	1	99	21.32	21.31	21.48	21.39	21.30		
20	64QAM	50	0	20.24	20.24	20.34	20.38	20.34	22	3
20	64QAM	50	24	20.01	20.13	20.29	20.13	20.08		
20	64QAM	50	50	20.20	20.18	20.39	20.23	20.09		
20	64QAM	100	0	20.11	20.29	20.39	20.25	20.15		
20	256QAM	1	0	18.27	18.41	18.54	18.34	18.25	20	5
20	256QAM	1	49	18.25	18.46	18.39	18.34	18.31		
20	256QAM	1	99	18.14	18.40	18.46	18.27	18.15		
20	256QAM	50	0	18.27	18.22	18.32	18.31	18.23	20	5
20	256QAM	50	24	18.24	18.19	18.24	18.28	18.21		
20	256QAM	50	50	18.16	18.30	18.27	18.20	18.11		
20	256QAM	100	0	18.30	18.17	18.32	18.36	18.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.32	23.29	23.42	23.21	23.20	25	0
15	QPSK	1	37	23.10	23.15	23.38	23.20	23.15		
15	QPSK	1	74	23.06	23.11	23.14	23.05	23.03		
15	QPSK	36	0	22.12	22.18	22.28	22.29	22.20	24	1
15	QPSK	36	20	22.10	22.25	22.27	22.23	22.11		
15	QPSK	36	39	22.10	22.03	22.27	22.06	22.02		
15	QPSK	75	0	22.00	22.26	22.27	22.12	22.03		
15	16QAM	1	0	22.45	22.69	22.73	22.68	22.49	24	1
15	16QAM	1	37	22.32	22.54	22.62	22.46	22.41		
15	16QAM	1	74	22.41	22.21	22.63	22.54	22.31		
15	16QAM	36	0	21.01	21.27	21.43	21.16	21.04	23	2
15	16QAM	36	20	21.01	21.28	21.23	21.03	21.09		
15	16QAM	36	39	21.08	21.28	21.35	21.19	21.05		
15	16QAM	75	0	21.11	21.30	21.32	21.23	21.09		
15	64QAM	1	0	21.34	21.27	21.61	21.39	21.24	23	2
15	64QAM	1	37	21.07	21.32	21.29	21.20	21.13		
15	64QAM	1	74	21.20	21.18	21.38	21.31	21.16		
15	64QAM	36	0	20.16	20.14	20.21	20.31	20.20	22	3
15	64QAM	36	20	20.09	20.03	20.26	20.06	20.03		
15	64QAM	36	39	20.16	20.14	20.32	20.12	20.00		
15	64QAM	75	0	20.05	20.19	20.30	20.11	20.09		
15	256QAM	1	0	18.20	18.33	18.50	18.28	18.19	20	5
15	256QAM	1	37	18.13	18.42	18.24	18.28	18.20		
15	256QAM	1	74	18.10	18.32	18.41	18.18	18.10		
15	256QAM	36	0	18.21	18.12	18.25	18.24	18.13	20	5
15	256QAM	36	20	18.12	18.09	18.16	18.21	18.12		
15	256QAM	36	39	18.01	18.20	18.22	18.06	18.08		
15	256QAM	75	0	18.23	18.13	18.22	18.33	18.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.32	23.28	23.38	23.15	23.11	25	0
10	QPSK	1	25	23.11	23.12	23.27	23.15	23.11		
10	QPSK	1	49	23.06	23.11	23.07	23.09	23.03		
10	QPSK	25	0	22.27	22.14	22.32	22.27	22.30	24	1
10	QPSK	25	12	22.11	22.24	22.19	22.21	22.15		
10	QPSK	25	25	22.08	22.08	22.27	22.04	22.09		
10	QPSK	50	0	22.12	22.21	22.33	22.14	22.03		
10	16QAM	1	0	22.53	22.62	22.71	22.68	22.66	24	1
10	16QAM	1	25	22.45	22.53	22.63	22.44	22.48		
10	16QAM	1	49	22.48	22.20	22.71	22.45	22.50		
10	16QAM	25	0	21.11	21.22	21.36	21.07	21.09	23	2
10	16QAM	25	12	21.09	21.28	21.21	21.02	21.09		
10	16QAM	25	25	21.24	21.29	21.30	21.15	21.15		
10	16QAM	50	0	21.22	21.29	21.30	21.20	21.27		
10	64QAM	1	0	21.39	21.29	21.51	21.43	21.38	23	2
10	64QAM	1	25	21.22	21.29	21.23	21.22	21.24		
10	64QAM	1	49	21.39	21.23	21.43	21.25	21.30		
10	64QAM	25	0	20.22	20.11	20.23	20.30	20.39	22	3
10	64QAM	25	12	20.07	20.01	20.20	20.09	20.13		
10	64QAM	25	25	20.22	20.03	20.25	20.09	20.09		
10	64QAM	50	0	20.10	20.22	20.33	20.14	20.20		
10	256QAM	1	0	18.22	18.30	18.47	18.24	18.10	20	5
10	256QAM	1	25	18.12	18.31	18.31	18.29	18.24		
10	256QAM	1	49	18.01	18.33	18.40	18.14	18.06		
10	256QAM	25	0	18.21	18.15	18.21	18.22	18.11	20	5
10	256QAM	25	12	18.14	18.15	18.12	18.23	18.09		
10	256QAM	25	25	18.09	18.16	18.17	18.09	18.04		
10	256QAM	50	0	18.17	18.08	18.19	18.23	18.22		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.31	23.30	23.35	23.15	23.12	25	0
5	QPSK	1	12	23.06	23.10	23.37	23.09	23.06		
5	QPSK	1	24	23.03	23.08	23.15	23.03	23.08		
5	QPSK	12	0	22.28	22.15	22.27	22.30	22.28	24	1
5	QPSK	12	7	22.11	22.25	22.25	22.23	22.12		
5	QPSK	12	13	22.01	22.14	22.16	22.02	22.08		
5	QPSK	25	0	22.09	22.26	22.37	22.11	22.06		
5	16QAM	1	0	22.55	22.67	22.68	22.61	22.56	24	1
5	16QAM	1	12	22.34	22.55	22.64	22.45	22.49		
5	16QAM	1	24	22.50	22.24	22.62	22.48	22.42		
5	16QAM	12	0	21.12	21.21	21.44	21.16	21.12	23	2
5	16QAM	12	7	21.09	21.30	21.19	21.06	21.08		
5	16QAM	12	13	21.19	21.29	21.27	21.15	21.20		
5	16QAM	25	0	21.26	21.31	21.22	21.17	21.29		
5	64QAM	1	0	21.44	21.30	21.55	21.44	21.37	23	2
5	64QAM	1	12	21.24	21.38	21.25	21.23	21.23		
5	64QAM	1	24	21.34	21.25	21.40	21.25	21.27		
5	64QAM	12	0	20.21	20.17	20.21	20.27	20.41	22	3
5	64QAM	12	7	20.07	20.01	20.23	20.01	20.06		
5	64QAM	12	13	20.17	20.09	20.35	20.14	20.10		
5	64QAM	25	0	20.10	20.15	20.31	20.22	20.15		
5	256QAM	1	0	18.21	18.27	18.46	18.29	18.11	20	5
5	256QAM	1	12	18.13	18.42	18.36	18.28	18.27		
5	256QAM	1	24	18.06	18.33	18.32	18.15	18.02		
5	256QAM	12	0	18.21	18.09	18.21	18.16	18.13	20	5
5	256QAM	12	7	18.19	18.09	18.11	18.25	18.09		
5	256QAM	12	13	18.12	18.21	18.14	18.12	18.05		
5	256QAM	25	0	18.16	18.03	18.28	18.21	18.15		

WCDMA IV Ant4 DSI4

Band		WCDMA IV Ant4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.58	19.75	19.66	21.50
3GPP Rel 99	RMC 12.2Kbps	19.64	19.81	19.76	21.50
3GPP Rel 6	HSDPA Subtest-1	18.67	18.65	18.84	20.50
3GPP Rel 6	HSDPA Subtest-2	18.71	18.68	18.62	20.50
3GPP Rel 6	HSDPA Subtest-3	18.14	18.20	18.22	20.00
3GPP Rel 6	HSDPA Subtest-4	18.14	18.27	18.15	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.75	18.86	18.77	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.62	18.65	18.53	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.06	18.13	18.13	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.04	18.23	18.24	20.00
3GPP Rel 6	HSUPA Subtest-1	18.64	18.76	18.54	20.50
3GPP Rel 6	HSUPA Subtest-2	16.68	16.91	16.74	18.50
3GPP Rel 6	HSUPA Subtest-3	17.80	17.90	17.85	19.50
3GPP Rel 6	HSUPA Subtest-4	16.58	16.61	16.53	18.50
3GPP Rel 6	HSUPA Subtest-5	18.57	18.60	18.57	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.23	16.47	16.30	18.00

Band 4 Ant4 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.72	19.78	19.64	21.5	0
20	QPSK	1	49	19.70	19.72	19.60		
20	QPSK	1	99	19.62	19.52	19.52		
20	QPSK	50	0	19.65	19.77	19.58	21.5	0
20	QPSK	50	24	19.60	19.70	19.55		
20	QPSK	50	50	19.75	19.67	19.64		
20	QPSK	100	0	19.61	19.67	19.64		
20	16QAM	1	0	19.57	19.55	19.63	21.5	0
20	16QAM	1	49	19.75	19.60	19.65		
20	16QAM	1	99	19.62	19.75	19.57		
20	16QAM	50	0	19.76	19.69	19.53	21.5	0
20	16QAM	50	24	19.69	19.72	19.71		
20	16QAM	50	50	19.59	19.66	19.59		
20	16QAM	100	0	19.60	19.65	19.62		
20	64QAM	1	0	19.60	19.62	19.63	21.5	0
20	64QAM	1	49	19.55	19.73	19.64		
20	64QAM	1	99	19.62	19.69	19.51		
20	64QAM	50	0	19.70	19.56	19.63	21.5	0
20	64QAM	50	24	19.75	19.76	19.52		
20	64QAM	50	50	19.73	19.65	19.57		
20	64QAM	100	0	19.60	19.70	19.55		
20	256QAM	1	0	18.16	18.44	18.16	20	1.5
20	256QAM	1	49	18.22	18.30	18.23		
20	256QAM	1	99	18.24	18.12	18.28		
20	256QAM	50	0	18.21	18.32	18.22	20	1.5
20	256QAM	50	24	18.28	18.20	18.30		
20	256QAM	50	50	18.21	18.23	18.29		
20	256QAM	100	0	18.19	18.33	18.22		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.71	19.70	19.71	21.5	0
15	QPSK	1	37	19.53	19.59	19.65		
15	QPSK	1	74	19.59	19.66	19.62		
15	QPSK	36	0	19.64	19.54	19.52	21.5	0
15	QPSK	36	20	19.59	19.54	19.56		
15	QPSK	36	39	19.57	19.64	19.61		
15	QPSK	75	0	19.58	19.60	19.63		
15	16QAM	1	0	19.70	19.61	19.63	21.5	0
15	16QAM	1	37	19.63	19.67	19.62		
15	16QAM	1	74	19.70	19.65	19.51		
15	16QAM	36	0	19.66	19.55	19.51	21.5	0
15	16QAM	36	20	19.54	19.62	19.65		
15	16QAM	36	39	19.66	19.50	19.60		
15	16QAM	75	0	19.64	19.68	19.60		
15	64QAM	1	0	19.61	19.62	19.55	21.5	0
15	64QAM	1	37	19.64	19.59	19.50		
15	64QAM	1	74	19.65	19.64	19.60		
15	64QAM	36	0	19.52	19.60	19.72	21.5	0
15	64QAM	36	20	19.57	19.71	19.57		
15	64QAM	36	39	19.53	19.54	19.57		
15	64QAM	75	0	19.55	19.77	19.70		
15	256QAM	1	0	18.10	18.33	18.01	20	1.5
15	256QAM	1	37	18.09	18.21	18.13		
15	256QAM	1	74	18.15	18.17	18.13		
15	256QAM	36	0	18.16	18.28	18.10	20	1.5
15	256QAM	36	20	18.20	18.08	18.22		
15	256QAM	36	39	18.16	18.19	18.18		
15	256QAM	75	0	18.04	18.25	18.15		
Channel				20000	20175	20350		
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.71	19.72	19.64	21.5	0
10	QPSK	1	25	19.54	19.59	19.57		
10	QPSK	1	49	19.58	19.61	19.67		
10	QPSK	25	0	19.68	19.75	19.56	21.5	0
10	QPSK	25	12	19.57	19.55	19.55		
10	QPSK	25	25	19.58	19.61	19.68		
10	QPSK	50	0	19.63	19.73	19.72	21.5	0
10	16QAM	1	0	19.63	19.64	19.69		
10	16QAM	1	25	19.75	19.63	19.51		
10	16QAM	1	49	19.67	19.63	19.58		
10	16QAM	25	0	19.69	19.61	19.57	21.5	0
10	16QAM	25	12	19.72	19.65	19.63		
10	16QAM	25	25	19.53	19.75	19.53		
10	16QAM	50	0	19.58	19.71	19.66		
10	64QAM	1	0	19.59	19.76	19.57	21.5	0
10	64QAM	1	25	19.63	19.65	19.61		
10	64QAM	1	49	19.55	19.73	19.66		
10	64QAM	25	0	19.56	19.67	19.64	21.5	0
10	64QAM	25	12	19.60	19.65	19.64		
10	64QAM	25	25	19.53	19.74	19.50		
10	64QAM	50	0	19.74	19.60	19.69		
10	256QAM	1	0	18.10	18.41	18.11	20	1.5
10	256QAM	1	25	18.17	18.26	18.12		
10	256QAM	1	49	18.11	18.21	18.15		
10	256QAM	25	0	18.14	18.22	18.11	20	1.5
10	256QAM	25	12	18.16	18.17	18.22		
10	256QAM	25	25	18.10	18.10	18.18		
10	256QAM	50	0	18.07	18.23	18.12		
Channel				19975	20175	20375		
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.65	19.70	19.55	21.5	0
5	QPSK	1	12	19.73	19.55	19.63		
5	QPSK	1	24	19.70	19.56	19.50		
5	QPSK	12	0	19.70	19.61	19.53	21.5	0
5	QPSK	12	7	19.66	19.63	19.66		
5	QPSK	12	13	19.67	19.59	19.58		
5	QPSK	25	0	19.69	19.54	19.53	21.5	0
5	16QAM	1	0	19.61	19.62	19.53		
5	16QAM	1	12	19.61	19.55	19.62		
5	16QAM	1	24	19.59	19.74	19.57		
5	16QAM	12	0	19.59	19.67	19.58	21.5	0
5	16QAM	12	7	19.69	19.55	19.50		
5	16QAM	12	13	19.69	19.77	19.53		
5	16QAM	25	0	19.58	19.75	19.56		
5	64QAM	1	0	19.55	19.71	19.69	21.5	0
5	64QAM	1	12	19.55	19.73	19.66		
5	64QAM	1	24	19.56	19.69	19.68		
5	64QAM	12	0	19.60	19.62	19.62	21.5	0
5	64QAM	12	7	19.75	19.72	19.59		
5	64QAM	12	13	19.53	19.74	19.63		
5	64QAM	25	0	19.54	19.60	19.59		
5	256QAM	1	0	18.05	18.31	18.09	20	1.5
5	256QAM	1	12	18.13	18.23	18.14		
5	256QAM	1	24	18.21	18.21	18.21		
5	256QAM	12	0	18.17	18.29	18.08	20	1.5
5	256QAM	12	7	18.20	18.05	18.25		
5	256QAM	12	13	18.16	18.10	18.14		
5	256QAM	25	0	18.15	18.23	18.14		
Channel				19950	20175	20375		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.55	19.73	19.54	21.5	0
3	QPSK	1	8	19.76	19.59	19.50		
3	QPSK	1	14	19.58	19.59	19.51		
3	QPSK	8	0	19.56	19.62	19.57	21.5	0
3	QPSK	8	4	19.64	19.77	19.52		
3	QPSK	8	7	19.62	19.69	19.69		
3	QPSK	15	0	19.76	19.71	19.51		
3	16QAM	1	0	19.56	19.77	19.57	21.5	0
3	16QAM	1	8	19.64	19.72	19.53		
3	16QAM	1	14	19.72	19.65	19.62		
3	16QAM	8	0	19.61	19.61	19.61	21.5	0
3	16QAM	8	4	19.62	19.74	19.70		
3	16QAM	8	7	19.56	19.54	19.51		
3	16QAM	15	0	19.63	19.57	19.53		
3	64QAM	1	0	19.73	19.74	19.51	21.5	0
3	64QAM	1	8	19.59	19.58	19.59		
3	64QAM	1	14	19.71	19.56	19.50		
3	64QAM	8	0	19.73	19.72	19.51	21.5	0
3	64QAM	8	4	19.53	19.77	19.62		
3	64QAM	8	7	19.70	19.63	19.51		
3	64QAM	15	0	19.72	19.71	19.62		
3	256QAM	1	0	18.05	18.31	18.05	20	1.5
3	256QAM	1	8	18.17	18.25	18.14		
3	256QAM	1	14	18.13	18.14	18.19		
3	256QAM	8	0	18.10	18.28	18.09	20	1.5
3	256QAM	8	4	18.16	18.14	18.26		
3	256QAM	8	7	18.16	18.18	18.26		
3	256QAM	15	0	18.10	18.22	18.19		
Channel				19957	20175	20393		
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.54	19.68	19.52	21.5	0
1.4	QPSK	1	3	19.73	19.71	19.68		
1.4	QPSK	1	5	19.63	19.55	19.55		
1.4	QPSK	3	0	19.66	19.66	19.60		
1.4	QPSK	3	1	19.55	19.60	19.52		
1.4	QPSK	3	3	19.59	19.70	19.54		
1.4	QPSK	6	0	19.58	19.56	19.51	21.5	0
1.4	16QAM	1	0	19.63	19.70	19.60	21.5	0
1.4	16QAM	1	3	19.75	19.77	19.60		
1.4	16QAM	1	5	19.55	19.71	19.71		
1.4	16QAM	3	0	19.54	19.64	19.62		
1.4	16QAM	3	1	19.64	19.59	19.60		
1.4	16QAM	3	3	19.53	19.56	19.60		
1.4	16QAM	6	0	19.66	19.65	19.58	21.5	0
1.4	64QAM	1	0	19.76	19.73	19.70	21.5	0
1.4	64QAM	1	3	19.52	19.76	19.66		
1.4	64QAM	1	5	19.64	19.59	19.60		
1.4	64QAM	3	0	19.56	19.64	19.58		
1.4	64QAM	3	1	19.57	19.68	19.58		
1.4	64QAM	3	3	19.66	19.75	19.58		
1.4	64QAM	6	0	19.64	19.74	19.62	21.5	0
1.4	256QAM	1	0	18.03	18.34	18.09	20	1.5
1.4	256QAM	1	3	18.12	18.26	18.15		
1.4	256QAM	1	5	18.12	18.03	18.22		
1.4	256QAM	3	0	18.07	18.19	18.17		
1.4	256QAM	3	1	18.20	18.09	18.19		
1.4	256QAM	3	3	18.17	18.12	18.14		
1.4	256QAM	6	0	18.15	18.27	18.17	20	1.5

Band 7 Ant4 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.53	19.82	19.80	21	0
20	QPSK	1	49	19.59	19.70	19.44		
20	QPSK	1	99	19.53	19.67	19.38		
20	QPSK	50	0	19.51	19.75	19.58	21	0
20	QPSK	50	24	19.27	19.73	19.48		
20	QPSK	50	50	19.64	19.39	19.48		
20	QPSK	100	0	19.35	19.51	19.30		
20	16QAM	1	0	19.37	19.36	19.55	21	0
20	16QAM	1	49	19.36	19.20	19.58		
20	16QAM	1	99	19.75	19.53	19.49		
20	16QAM	50	0	19.53	19.42	19.78	21	0
20	16QAM	50	24	19.36	19.61	19.23		
20	16QAM	50	50	19.32	19.47	19.41		
20	16QAM	100	0	19.50	19.80	19.75		
20	64QAM	1	0	19.21	19.60	19.64	21	0
20	64QAM	1	49	19.64	19.39	19.42		
20	64QAM	1	99	19.54	19.59	19.48		
20	64QAM	50	0	19.49	19.65	19.32	21	0
20	64QAM	50	24	19.30	19.42	19.58		
20	64QAM	50	50	19.46	19.22	19.26		
20	64QAM	100	0	19.46	19.52	19.73		
20	256QAM	1	0	18.52	18.61	18.47	20	1
20	256QAM	1	49	18.49	18.58	18.49		
20	256QAM	1	99	18.40	18.53	18.49		
20	256QAM	50	0	18.39	18.54	18.40	20	1
20	256QAM	50	24	18.34	18.44	18.33		
20	256QAM	50	50	18.36	18.50	18.42		
20	256QAM	100	0	18.41	18.45	18.42		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.58	19.69	19.65	21	0
15	QPSK	1	37	19.74	19.61	19.35		
15	QPSK	1	74	19.52	19.64	19.41		
15	QPSK	36	0	19.50	19.75	19.69	21	0
15	QPSK	36	20	19.18	19.70	19.49		
15	QPSK	36	39	19.44	19.34	19.40		
15	QPSK	75	0	19.24	19.36	19.46		
15	16QAM	1	0	19.53	19.50	19.70	21	0
15	16QAM	1	37	19.25	19.31	19.71		
15	16QAM	1	74	19.66	19.68	19.41		
15	16QAM	36	0	19.57	19.41	19.70	21	0
15	16QAM	36	20	19.50	19.66	19.15		
15	16QAM	36	39	19.37	19.38	19.61		
15	16QAM	75	0	19.39	19.64	19.73		
15	64QAM	1	0	19.28	19.68	19.70	21	0
15	64QAM	1	37	19.57	19.44	19.58		
15	64QAM	1	74	19.53	19.46	19.46		
15	64QAM	36	0	19.63	19.66	19.50	21	0
15	64QAM	36	20	19.40	19.37	19.51		
15	64QAM	36	39	19.55	19.34	19.27		
15	64QAM	75	0	19.35	19.50	19.59		
15	256QAM	1	0	18.38	18.50	18.40	20	1
15	256QAM	1	37	18.39	18.55	18.35		
15	256QAM	1	74	18.34	18.44	18.35		
15	256QAM	36	0	18.31	18.43	18.31	20	1
15	256QAM	36	20	18.25	18.40	18.18		
15	256QAM	36	39	18.24	18.39	18.33		
15	256QAM	75	0	18.29	18.36	18.34		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.58	19.79	19.68	21	0
10	QPSK	1	25	19.73	19.64	19.48		
10	QPSK	1	49	19.46	19.63	19.40		
10	QPSK	25	0	19.50	19.61	19.53	21	0
10	QPSK	25	12	19.18	19.65	19.70		
10	QPSK	25	25	19.63	19.45	19.40		
10	QPSK	50	0	19.24	19.54	19.28		
10	16QAM	1	0	19.46	19.52	19.60	21	0
10	16QAM	1	25	19.22	19.32	19.62		
10	16QAM	1	49	19.78	19.53	19.58		
10	16QAM	25	0	19.57	19.41	19.76	21	0
10	16QAM	25	12	19.48	19.79	19.15		
10	16QAM	25	25	19.16	19.44	19.50		
10	16QAM	50	0	19.41	19.65	19.68		
10	64QAM	1	0	19.17	19.67	19.65	21	0
10	64QAM	1	25	19.43	19.39	19.52		
10	64QAM	1	49	19.65	19.58	19.56		
10	64QAM	25	0	19.48	19.48	19.52	21	0
10	64QAM	25	12	19.41	19.35	19.66		
10	64QAM	25	25	19.59	19.31	19.25		
10	64QAM	50	0	19.42	19.48	19.70		
10	256QAM	1	0	18.38	18.51	18.41	20	1
10	256QAM	1	25	18.39	18.45	18.35		
10	256QAM	1	49	18.31	18.48	18.43		
10	256QAM	25	0	18.24	18.40	18.35	20	1
10	256QAM	25	12	18.19	18.35	18.19		
10	256QAM	25	25	18.26	18.40	18.30		
10	256QAM	50	0	18.35	18.35	18.34		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.63	19.68	19.77	21	0
5	QPSK	1	12	19.66	19.58	19.55		
5	QPSK	1	24	19.59	19.57	19.48		
5	QPSK	12	0	19.41	19.71	19.71	21	0
5	QPSK	12	7	19.25	19.62	19.56		
5	QPSK	12	13	19.45	19.42	19.48		
5	QPSK	25	0	19.16	19.46	19.33		
5	16QAM	1	0	19.35	19.53	19.58	21	0
5	16QAM	1	12	19.20	19.27	19.65		
5	16QAM	1	24	19.67	19.58	19.54		
5	16QAM	12	0	19.48	19.35	19.80	21	0
5	16QAM	12	7	19.35	19.65	19.29		
5	16QAM	12	13	19.15	19.40	19.60		
5	16QAM	25	0	19.52	19.80	19.70		
5	64QAM	1	0	19.34	19.53	19.68	21	0
5	64QAM	1	12	19.61	19.35	19.54		
5	64QAM	1	24	19.56	19.52	19.52		
5	64QAM	12	0	19.50	19.47	19.46	21	0
5	64QAM	12	7	19.41	19.41	19.47		
5	64QAM	12	13	19.66	19.36	19.27		
5	64QAM	25	0	19.32	19.48	19.67		
5	256QAM	1	0	18.48	18.51	18.43	20	1
5	256QAM	1	12	18.46	18.52	18.44		
5	256QAM	1	24	18.33	18.41	18.39		
5	256QAM	12	0	18.35	18.45	18.31	20	1
5	256QAM	12	7	18.25	18.32	18.20		
5	256QAM	12	13	18.32	18.43	18.29		
5	256QAM	25	0	18.35	18.39	18.37		

Band 66 Ant4 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.81	19.87	19.71	21.5	0
20	QPSK	1	49	19.80	19.85	19.67		
20	QPSK	1	99	19.76	19.55	19.67		
20	QPSK	50	0	19.68	19.75	19.56	21.5	0
20	QPSK	50	24	19.62	19.74	19.60		
20	QPSK	50	50	19.69	19.66	19.61		
20	QPSK	100	0	19.64	19.79	19.66		
20	16QAM	1	0	19.68	19.69	19.60	21.5	0
20	16QAM	1	49	19.85	19.59	19.80		
20	16QAM	1	99	19.78	19.83	19.67		
20	16QAM	50	0	19.81	19.76	19.68	21.5	0
20	16QAM	50	24	19.73	19.82	19.85		
20	16QAM	50	50	19.53	19.78	19.59		
20	16QAM	100	0	19.66	19.77	19.70		
20	64QAM	1	0	19.55	19.63	19.65	21.5	0
20	64QAM	1	49	19.51	19.70	19.57		
20	64QAM	1	99	19.64	19.73	19.51		
20	64QAM	50	0	19.86	19.70	19.69	21.5	0
20	64QAM	50	24	19.85	19.84	19.68		
20	64QAM	50	50	19.69	19.76	19.57		
20	64QAM	100	0	19.71	19.78	19.67		
20	256QAM	1	0	18.22	18.50	18.16	20	1.5
20	256QAM	1	49	18.20	18.31	18.28		
20	256QAM	1	99	18.33	18.17	18.37		
20	256QAM	50	0	18.29	18.31	18.24	20	1.5
20	256QAM	50	24	18.35	18.24	18.33		
20	256QAM	50	50	18.24	18.24	18.32		
20	256QAM	100	0	18.20	18.31	18.26		
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.72	19.71	19.65	21.5	0
15	QPSK	1	37	19.74	19.78	19.69		
15	QPSK	1	74	19.62	19.58	19.61		
15	QPSK	36	0	19.76	19.81	19.53	21.5	0
15	QPSK	36	20	19.55	19.86	19.58		
15	QPSK	36	39	19.81	19.71	19.63		
15	QPSK	75	0	19.56	19.69	19.60		
15	16QAM	1	0	19.60	19.56	19.70	21.5	0
15	16QAM	1	37	19.85	19.56	19.64		
15	16QAM	1	74	19.69	19.71	19.63		
15	16QAM	36	0	19.76	19.76	19.53	21.5	0
15	16QAM	36	20	19.68	19.74	19.68		
15	16QAM	36	39	19.63	19.69	19.63		
15	16QAM	75	0	19.67	19.79	19.66		
15	64QAM	1	0	19.63	19.56	19.79	21.5	0
15	64QAM	1	37	19.72	19.72	19.75		
15	64QAM	1	74	19.67	19.63	19.66		
15	64QAM	36	0	19.80	19.64	19.80	21.5	0
15	64QAM	36	20	19.65	19.59	19.58		
15	64QAM	36	39	19.71	19.80	19.73		
15	64QAM	75	0	19.73	19.83	19.53		
15	256QAM	1	0	18.14	18.42	18.11	20	1.5
15	256QAM	1	37	18.12	18.28	18.17		
15	256QAM	1	74	18.21	18.07	18.26		
15	256QAM	36	0	18.23	18.19	18.18	20	1.5
15	256QAM	36	20	18.29	18.16	18.18		
15	256QAM	36	39	18.19	18.21	18.18		
15	256QAM	75	0	18.10	18.26	18.17		
Channel				132022	132322	132622		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.84	19.78	19.75	21.5	0
10	QPSK	1	25	19.71	19.71	19.60		
10	QPSK	1	49	19.67	19.58	19.69		
10	QPSK	25	0	19.67	19.81	19.73	21.5	0
10	QPSK	25	12	19.66	19.64	19.70		
10	QPSK	25	25	19.81	19.72	19.67		
10	QPSK	50	0	19.62	19.61	19.74		
10	16QAM	1	0	19.52	19.70	19.61	21.5	0
10	16QAM	1	25	19.71	19.60	19.63		
10	16QAM	1	49	19.68	19.68	19.63		
10	16QAM	25	0	19.70	19.67	19.64	21.5	0
10	16QAM	25	12	19.63	19.77	19.69		
10	16QAM	25	25	19.53	19.71	19.63		
10	16QAM	50	0	19.53	19.68	19.61		
10	64QAM	1	0	19.63	19.74	19.70	21.5	0
10	64QAM	1	25	19.71	19.81	19.60		
10	64QAM	1

Band 38 Ant4 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.46	19.68	19.53	21	0
20	QPSK	1	49	19.49	19.26	19.35		
20	QPSK	1	99	19.22	19.21	19.45		
20	QPSK	50	0	19.31	19.59	19.52	21	0
20	QPSK	50	24	19.35	19.58	19.38		
20	QPSK	50	50	19.26	19.22	19.31		
20	QPSK	100	0	19.01	19.22	19.10		
20	16QAM	1	0	19.33	19.26	19.47	21	0
20	16QAM	1	49	19.26	19.31	19.27		
20	16QAM	1	99	19.25	19.44	19.37		
20	16QAM	50	0	19.31	19.49	19.45	21	0
20	16QAM	50	24	19.32	19.26	19.07		
20	16QAM	50	50	19.06	19.33	19.19		
20	16QAM	100	0	19.30	19.49	19.53		
20	64QAM	1	0	19.21	19.45	19.37	21	0
20	64QAM	1	49	19.22	19.31	19.22		
20	64QAM	1	99	19.25	19.21	19.31		
20	64QAM	50	0	19.20	19.53	19.06	21	0
20	64QAM	50	24	19.24	18.92	19.52		
20	64QAM	50	50	19.33	18.99	19.27		
20	64QAM	100	0	19.19	19.27	19.31		
20	256QAM	1	0	18.41	18.65	18.35	20	1
20	256QAM	1	49	18.33	18.41	18.46		
20	256QAM	1	99	18.47	18.32	18.51		
20	256QAM	50	0	18.39	18.39	18.38	20	1
20	256QAM	50	24	18.53	18.33	18.50		
20	256QAM	50	50	18.37	18.44	18.47		
20	256QAM	100	0	18.38	18.43	18.34		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.18	19.51	19.43	21	0
15	QPSK	1	37	19.39	19.16	19.27		
15	QPSK	1	74	19.23	19.18	19.18		
15	QPSK	36	0	19.04	19.50	19.20	21	0
15	QPSK	36	20	19.30	19.26	19.15		
15	QPSK	36	39	19.18	19.13	19.16		
15	QPSK	75	0	19.52	19.30	19.10		
15	16QAM	1	0	19.16	19.03	19.28	21	0
15	16QAM	1	37	19.11	19.22	19.28		
15	16QAM	1	74	19.31	19.31	19.12		
15	16QAM	36	0	19.18	19.38	19.34	21	0
15	16QAM	36	20	19.08	19.29	19.52		
15	16QAM	36	39	19.44	19.32	19.52		
15	16QAM	75	0	19.13	19.36	19.35		
15	64QAM	1	0	19.02	19.26	19.40	21	0
15	64QAM	1	37	19.04	19.20	19.18		
15	64QAM	1	74	19.30	19.14	19.19		
15	64QAM	36	0	19.25	19.33	19.01	21	0
15	64QAM	36	20	19.18	19.52	19.37		
15	64QAM	36	39	19.37	19.01	19.12		
15	64QAM	75	0	19.44	19.11	19.35		
15	256QAM	1	0	18.32	18.55	18.27	20	1
15	256QAM	1	37	18.21	18.30	18.35		
15	256QAM	1	74	18.35	18.20	18.37		
15	256QAM	36	0	18.24	18.34	18.34	20	1
15	256QAM	36	20	18.39	18.21	18.47		
15	256QAM	36	39	18.31	18.33	18.42		
15	256QAM	75	0	18.24	18.38	18.30		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.36	19.58	19.27	21	0
10	QPSK	1	25	19.40	19.31	19.22		
10	QPSK	1	49	19.18	19.16	19.23		
10	QPSK	25	0	19.23	19.31	19.40	21	0
10	QPSK	25	12	19.26	19.32	19.31		
10	QPSK	25	25	19.30	19.28	19.25		
10	QPSK	50	0	19.50	19.31	19.35		
10	16QAM	1	0	19.29	19.06	19.42	21	0
10	16QAM	1	25	19.49	19.16	19.31		
10	16QAM	1	49	19.30	19.35	19.20		
10	16QAM	25	0	19.25	19.23	19.20	21	0
10	16QAM	25	12	19.14	19.32	19.05		
10	16QAM	25	25	19.08	19.16	19.17		
10	16QAM	50	0	19.26	19.20	19.25		
10	64QAM	1	0	19.52	19.11	19.37	21	0
10	64QAM	1	25	19.01	19.24	19.20		
10	64QAM	1	49	19.31	19.30	19.13		
10	64QAM	25	0	19.17	19.32	19.42	21	0
10	64QAM	25	12	19.06	19.30	19.39		
10	64QAM	25	25	19.23	19.00	19.24		
10	64QAM	50	0	19.32	19.21	19.29		
10	256QAM	1	0	18.34	18.53	18.25	20	1
10	256QAM	1	25	18.26	18.28	18.41		
10	256QAM	1	49	18.41	18.20	18.42		
10	256QAM	25	0	18.34	18.34	18.28	20	1
10	256QAM	25	12	18.47	18.20	18.43		
10	256QAM	25	25	18.23	18.30	18.33		
10	256QAM	50	0	18.28	18.35	18.24		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.25	19.60	19.39	21	0
5	QPSK	1	12	19.39	19.37	19.16		
5	QPSK	1	24	19.20	19.06	19.20		
5	QPSK	12	0	19.24	19.42	19.28	21	0
5	QPSK	12	7	19.24	19.39	19.26		
5	QPSK	12	13	19.19	19.27	19.36		
5	QPSK	25	0	19.41	19.24	19.39		
5	16QAM	1	0	19.29	19.04	19.49	21	0
5	16QAM	1	12	19.14	19.14	19.32		
5	16QAM	1	24	19.13	19.25	19.25		
5	16QAM	12	0	19.24	19.16	19.28	21	0
5	16QAM	12	7	19.07	19.18	19.52		
5	16QAM	12	13	19.42	19.33	19.00		
5	16QAM	25	0	19.28	19.33	19.26		
5	64QAM	1	0	19.03	19.14	19.33	21	0
5	64QAM	1	12	19.01	19.38	19.22		
5	64QAM	1	24	19.22	19.17	19.20		
5	64QAM	12	0	19.22	19.24	19.43	21	0
5	64QAM	12	7	19.04	19.36	19.36		
5	64QAM	12	13	19.29	19.11	19.14		
5	64QAM	25	0	19.08	19.18	19.35		
5	256QAM	1	0	18.36	18.50	18.32	20	1
5	256QAM	1	12	18.26	18.36	18.35		
5	256QAM	1	24	18.37	18.26	18.39		
5	256QAM	12	0	18.34	18.26	18.29	20	1
5	256QAM	12	7	18.50	18.22	18.42		
5	256QAM	12	13	18.23	18.31	18.33		
5	256QAM	25	0	18.27	18.36	18.29		

Band 41 Ant4 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.42	19.45	19.60	19.39	19.38	21	0
20	QPSK	1	49	19.23	19.26	19.26	19.32	19.16		
20	QPSK	1	99	19.34	19.18	19.36	19.17	19.27		
20	QPSK	50	0	19.37	19.35	19.58	19.18	19.33	21	0
20	QPSK	50	24	19.49	19.25	19.36	19.26	19.35		
20	QPSK	50	50	19.26	19.43	19.52	19.11	19.24		
20	QPSK	100	0	19.26	19.25	19.51	19.29	19.31		
20	16QAM	1	0	19.37	19.15	19.56	19.45	19.53	21	0
20	16QAM	1	49	19.35	19.15	19.51	19.26	19.34		
20	16QAM	1	99	19.18	19.06	19.29	19.18	19.28		
20	16QAM	50	0	19.19	19.43	19.29	19.34	19.43	21	0
20	16QAM	50	24	19.00	19.14	19.39	19.38	19.34		
20	16QAM	50	50	19.38	19.12	19.32	19.37	19.44		
20	16QAM	100	0	19.25	19.23	19.40	19.25	19.25		
20	64QAM	1	0	19.50	19.29	19.45	19.40	19.32	21	0
20	64QAM	1	49	19.45	19.27	19.33	19.11	19.43		
20	64QAM	1	99	19.35	19.06	19.36	19.22	19.35		
20	64QAM	50	0	19.20	19.10	19.22	19.32	19.28	21	0
20	64QAM	50	24	19.48	19.43	19.51	19.27	19.39		
20	64QAM	50	50	19.30	19.26	19.30	19.26	19.42		
20	64QAM	100	0	19.34	19.15	19.37	19.45	19.34		
20	256QAM	1	0	18.26	18.36	18.61	18.25	18.28	20	1
20	256QAM	1	49	18.19	18.23	18.27	18.36	18.14		
20	256QAM	1	99	18.22	18.35	18.23	18.39	18.21		
20	256QAM	50	0	18.25	18.32	18.27	18.32	18.27	20	1
20	256QAM	50	24	18.42	18.45	18.20	18.39	18.34		
20	256QAM	50	50	18.19	18.24	18.40	18.37	18.18		
20	256QAM	100	0	18.10	18.28	18.34	18.29	18.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.29	19.23	19.52	19.13	19.27	21	0
15	QPSK	1	37	19.29	19.42	19.17	19.32	19.04		
15	QPSK	1	74	19.34	19.22	19.26	19.17	19.10		
15	QPSK	36	0	19.33	19.28	19.42	19.09	19.26	21	0
15	QPSK	36	20	19.38	19.15	19.20	19.10	19.34		
15	QPSK	36	39	19.26	19.40	19.35	19.12	19.14		
15	QPSK	75	0	19.12	19.09	19.34	19.23	19.22		
15	16QAM	1	0	19.17	19.10	19.36	19.23	19.46	21	0
15	16QAM	1	37	19.06	19.04	19.40	19.06	19.24		
15	16QAM	1	74	19.12	19.47	19.24	19.08	19.29		
15	16QAM	36	0	19.09	19.22	19.20	19.15	19.34	21	0
15	16QAM	36	20	19.04	19.47	19.11	19.26	19.04		
15	16QAM	36	39	19.12	19.03	19.45	19.09	19.36		
15	16QAM	75	0	19.19	19.03	19.43	19.21	19.13		
15	64QAM	1	0	19.36	19.11	19.44	19.16	19.25	21	0
15	64QAM	1	37	19.19	19.24	19.49	19.02	19.33		
15	64QAM	1	74	19.34	19.00	19.12	19.12	19.27		
15	64QAM	36	0	19.16	19.45	19.42	19.24	19.16	21	0
15	64QAM	36	20	19.36	19.15	19.40	19.48	19.13		
15	64QAM	36	39	19.27	19.25	19.17	19.13	19.27		
15	64QAM	75	0	19.16	19.16	19.46	19.26	19.28		
15	256QAM	1	0	18.17	18.30	18.58	18.20	18.24	20	1
15	256QAM	1	37	18.10	18.18	18.16	18.25	18.10		
15	256QAM	1	74	18.09	18.23	18.12	18.27	18.09		
15	256QAM	36	0	18.19	18.28	18.17	18.20	18.21	20	1
15	256QAM	36	20	18.28	18.42	18.08	18.25	18.25		
15	256QAM	36	39	18.14	18.14	18.28	18.28	18.12		
15	256QAM	75	0	18.04	18.13	18.29	18.21	18.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.34	19.12	19.45	19.20	19.36	21	0
10	QPSK	1	25	19.14	19.14	19.11	19.36	19.11		
10	QPSK	1	49	19.23	19.08	19.20	19.19	19.27		
10	QPSK	25	0	19.30	19.12	19.33	19.15	19.18	21	0
10	QPSK	25	12	19.28	19.00	19.22	19.11	19.27		
10	QPSK	25	25	19.07	19.37	19.01	19.45	19.25		
10	QPSK	50	0	19.23	19.26	19.33	19.19	19.18		
10	16QAM	1	0	19.35	19.12	19.37	19.34	19.27	21	0
10	16QAM	1	25	19.05	19.03	19.41	19.06	19.40		
10	16QAM	1	49	19.16	19.04	19.12	19.49	19.36		
10	16QAM	25	0	19.27	19.34	19.34	19.21	19.39	21	0
10	16QAM	25	12	19.03	19.08	19.18	19.30	19.53		
10	16QAM	25	25	19.19	19.11	19.35	19.26	19.20		
10	16QAM	50	0	19.14	19.03	19.49	19.16	19.20		
10	64QAM	1	0	19.38	19.31	19.45	19.24	19.31	21	0
10	64QAM	1	25	19.19	19.19	19.37	19.13	19.31		
10	64QAM	1	49	19.34	19.47	19.26	19.16	19.26		
10	64QAM	25	0	19.11	19.46	19.05	19.22	19.29	21	0
10	64QAM	25	12	19.41	19.17	19.37	19.40	19.33		
10	64QAM	25	25	19.20	19.20	19.29	19.14	19.18		
10	64QAM	50	0	19.31	19.24	19.36	19.25	19.32		
10	256QAM	1	0	18.20	18.29	18.53	18.10	18.22	20	1
10	256QAM	1	25	18.12	18.19	18.14	18.26	18.00		
10	256QAM	1	49	18.12	18.22	18.15	18.30	18.12		
10	256QAM	25	0	18.20	18.18	18.16	18.20	18.16	20	1
10	256QAM	25	12	18.38	18.31	18.08	18.27	18.26		
10	256QAM	25	25	18.05	18.20	18.27	18.29	18.10		
10	256QAM	50	0	18.03	18.25	18.29	18.24	18.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.21	19.09	19.32	19.20	19.31	21	0
5	QPSK	1	12	19.22	19.10	19.19	19.35	19.14		
5	QPSK	1	24	19.24	19.20	19.09	19.20	19.17		
5	QPSK	12	0	19.35	19.27	19.48	19.19	19.18	21	0
5	QPSK	12	7	19.36	19.11	19.31	19.16	19.44		
5	QPSK	12	13	19.26	19.02	19.40	19.39	19.21		
5	QPSK	25	0	19.14	19.26	19.51	19.29	19.19		
5	16QAM	1	0	19.30	19.02	19.34	19.20	19.42	21	0
5	16QAM	1	12	19.19	19.17	19.50	19.03	19.33		
5	16QAM	1	24	19.46	19.35	19.20	19.10	19.24		
5	16QAM	12	0	19.15	19.15	19.38	19.12	19.33	21	0
5	16QAM	12	7	19.33	19.47	19.19	19.25	19.47		
5	16QAM	12	13	19.23	19.18	19.39	19.12	19.22		
5	16QAM	25	0	19.17	19.09	19.42	19.20	19.11		
5	64QAM	1	0	19.27	19.21	19.44	19.32	19.36	21	0
5	64QAM	1	12	19.18	19.25	19.46	19.08	19.18		
5	64QAM	1	24	19.30	19.43	19.19	19.31	19.37		
5	64QAM	12	0	19.18	19.10	19.40	19.18	19.14	21	0
5	64QAM	12	7	19.32	19.23	19.43	19.01	19.31		
5	64QAM	12	13	19.21	19.10	19.33	19.00	19.22		
5	64QAM	25	0	19.20	19.11	19.43	19.21	19.16		
5	256QAM	1	0	18.13	18.26	18.48	18.12	18.18	20	1
5	256QAM	1	12	18.13	18.18	18.21	18.27	18.03		
5	256QAM	1	24	18.17	18.29	18.20	18.33	18.17		
5	256QAM	12	0	18.20	18.22	18.19	18.22	18.14	20	1
5	256QAM	12	7	18.30	18.39	18.06	18.26	18.24		
5	256QAM	12	13	18.14	18.12	18.34	18.32	18.10		
5	256QAM	25	0	18.02	18.24	18.26	18.23	18.01		

WCDMA IV Ant5 DSI4

Band		WCDMA IV Ant5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.86	20.90	20.80	22.50
3GPP Rel 99	RMC 12.2Kbps	20.89	20.93	20.83	22.50
3GPP Rel 6	HSDPA Subtest-1	19.87	19.96	19.96	21.50
3GPP Rel 6	HSDPA Subtest-2	19.88	19.89	19.91	21.50
3GPP Rel 6	HSDPA Subtest-3	19.41	19.46	19.49	21.00
3GPP Rel 6	HSDPA Subtest-4	19.32	19.38	19.39	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.99	19.92	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	19.88	19.84	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.23	19.43	19.34	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.20	19.33	19.31	21.00
3GPP Rel 6	HSUPA Subtest-1	19.75	19.89	19.87	21.50
3GPP Rel 6	HSUPA Subtest-2	17.92	18.00	17.87	19.50
3GPP Rel 6	HSUPA Subtest-3	18.95	19.06	19.04	20.50
3GPP Rel 6	HSUPA Subtest-4	17.81	17.86	17.89	19.50
3GPP Rel 6	HSUPA Subtest-5	19.77	19.89	19.79	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.43	17.51	17.53	19.00

Band 4 Ant5 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.99	21.07	20.95	22.5	0
20	QPSK	1	49	20.92	20.99	20.93		
20	QPSK	1	99	20.91	20.94	20.82		
20	QPSK	50	0	19.88	20.02	19.97	21.5	1
20	QPSK	50	24	19.91	19.96	19.84		
20	QPSK	50	50	19.84	19.91	19.81		
20	QPSK	100	0	19.82	19.95	19.85		
20	16QAM	1	0	20.00	20.07	19.97	21.5	1
20	16QAM	1	49	19.90	20.01	19.96		
20	16QAM	1	99	19.84	19.97	19.85		
20	16QAM	50	0	18.95	19.03	18.93	20.5	2
20	16QAM	50	24	18.85	18.95	18.87		
20	16QAM	50	50	18.89	18.99	18.92		
20	16QAM	100	0	18.84	18.97	18.85		
20	64QAM	1	0	18.96	19.04	18.90	20.5	2
20	64QAM	1	49	18.94	18.98	18.85		
20	64QAM	1	99	18.87	18.94	18.85		
20	64QAM	50	0	17.87	17.97	17.90	19.5	3
20	64QAM	50	24	17.77	17.88	17.83		
20	64QAM	50	50	17.89	17.93	17.90		
20	64QAM	100	0	17.91	17.96	17.82		
20	256QAM	1	0	15.98	16.07	16.02	17.5	5
20	256QAM	1	49	15.99	16.04	15.96		
20	256QAM	1	99	15.92	15.99	15.93		
20	256QAM	50	0	15.81	15.96	15.84	17.5	5
20	256QAM	50	24	15.81	15.86	15.72		
20	256QAM	50	50	15.85	15.92	15.80		
20	256QAM	100	0	15.84	15.93	15.89		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.95	20.92	20.84	22.5	0
15	QPSK	1	37	20.84	20.84	20.82		
15	QPSK	1	74	20.86	20.87	20.76		
15	QPSK	36	0	19.79	19.98	19.94	21.5	1
15	QPSK	36	20	19.81	19.82	19.77		
15	QPSK	36	39	19.83	19.87	19.76		
15	QPSK	75	0	19.80	19.87	19.72		
15	16QAM	1	0	19.95	19.96	19.88	21.5	1
15	16QAM	1	37	19.83	19.88	19.85		
15	16QAM	1	74	19.72	19.94	19.74		
15	16QAM	36	0	18.87	18.93	18.79	20.5	2
15	16QAM	36	20	18.77	18.87	18.79		
15	16QAM	36	39	18.84	18.87	18.77		
15	16QAM	75	0	18.80	18.86	18.72		
15	64QAM	1	0	18.82	18.96	18.80	20.5	2
15	64QAM	1	37	18.85	18.92	18.72		
15	64QAM	1	74	18.82	18.82	18.73		
15	64QAM	36	0	17.74	17.93	17.77	19.5	3
15	64QAM	36	20	17.75	17.77	17.72		
15	64QAM	36	39	17.75	17.88	17.80		
15	64QAM	75	0	17.76	17.84	17.74		
15	256QAM	1	0	15.85	16.03	15.92	17.5	5
15	256QAM	1	37	15.91	15.97	15.86		
15	256QAM	1	74	15.78	15.86	15.84		
15	256QAM	36	0	15.73	15.84	15.79	17.5	5
15	256QAM	36	20	15.71	15.83	15.81		
15	256QAM	36	39	15.72	15.80	15.75		
15	256QAM	75	0	15.71	15.88	15.84		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.96	20.89	22.5	0
10	QPSK	1	25	20.86	20.94	20.84		
10	QPSK	1	49	20.76	20.81	20.77		
10	QPSK	25	0	19.85	19.91	19.93	21.5	1
10	QPSK	25	12	19.85	19.89	19.81		
10	QPSK	25	25	19.75	19.84	19.72		
10	QPSK	50	0	19.71	19.91	19.76		
10	16QAM	1	0	19.89	20.00	19.89	21.5	1
10	16QAM	1	25	19.79	19.95	19.89		
10	16QAM	1	49	19.72	19.92	19.72		
10	16QAM	25	0	18.82	18.98	18.84	20.5	2
10	16QAM	25	12	18.75	18.84	18.78		
10	16QAM	25	25	18.77	18.86	18.80		
10	16QAM	50	0	18.79	18.85	18.82		
10	64QAM	1	0	18.88	18.92	18.85	20.5	2
10	64QAM	1	25	18.85	18.95	18.74		
10	64QAM	1	49	18.72	18.81	18.77		
10	64QAM	25	0	17.80	17.86	17.77	19.5	3
10	64QAM	25	12	17.74	17.77	17.75		
10	64QAM	25	25	17.78	17.80	17.79		
10	64QAM	50	0	17.81	17.84	17.76		
10	256QAM	1	0	15.94	15.93	15.95	17.5	5
10	256QAM	1	25	15.86	15.97	15.83		
10	256QAM	1	49	15.80	15.96	15.85		
10	256QAM	25	0	15.72	15.81	15.72	17.5	5
10	256QAM	25	12	15.71	15.81	15.77		
10	256QAM	25	25	15.76	15.88	15.82		
10	256QAM	50	0	15.76	15.88	15.80		
Channel				19957	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.90	20.96	20.91	22.5	0
5	QPSK	1	12	20.88	20.87	20.84		
5	QPSK	1	24	20.88	20.89	20.77		
5	QPSK	12	0	19.77	19.92	19.90	21.5	1
5	QPSK	12	7	19.77	19.85	19.80		
5	QPSK	12	13	19.73	19.83	19.72		
5	QPSK	25	0	19.75	19.86	19.78		
5	16QAM	1	0	19.93	20.03	19.94	21.5	1
5	16QAM	1	12	19.82	19.97	19.84		
5	16QAM	1	24	19.71	19.84	19.80		
5	16QAM	12	0	18.83	19.00	18.88	20.5	2
5	16QAM	12	7	18.77	18.87	18.80		
5	16QAM	12	13	18.76	18.93	18.80		
5	16QAM	25	0	18.80	18.91	18.79		
5	64QAM	1	0	18.90	18.95	18.80	20.5	2
5	64QAM	1	12	18.85	18.87	18.74		
5	64QAM	1	24	18.72	18.89	18.73		
5	64QAM	12	0	17.80	17.85	17.79	19.5	3
5	64QAM	12	7	17.74	17.76	17.71		
5	64QAM	12	13	17.85	17.80	17.86		
5	64QAM	25	0	17.86	17.83	17.78		
5	256QAM	1	0	15.91	16.01	15.93	17.5	5
5	256QAM	1	12	15.92	15.97	15.90		
5	256QAM	1	24	15.82	15.90	15.88		
5	256QAM	12	0	15.87	15.92	15.73	17.5	5
5	256QAM	12	7	15.73	15.73	15.71		
5	256QAM	12	13	15.77	15.80	15.75		
5	256QAM	25	0	15.80	15.89	15.78		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.96	20.97	20.92	22.5	0
3	QPSK	1	8	20.84	20.93	20.89		
3	QPSK	1	14	20.80	20.83	20.75		
3	QPSK	8	0	19.84	19.99	19.91	21.5	1
3	QPSK	8	4	19.80	19.93	19.78		
3	QPSK	8	7	19.72	19.76	19.75		
3	QPSK	15	0	19.77	19.83	19.73		
3	16QAM	1	0	19.94	19.94	19.84	21.5	1
3	16QAM	1	8	19.75	19.97	19.81		
3	16QAM	1	14	19.78	19.87	19.72		
3	16QAM	8	0	18.92	18.99	18.90	20.5	2
3	16QAM	8	4	18.79	18.89	18.81		
3	16QAM	8	7	18.77	18.89	18.77		
3	16QAM	15	0	18.72	18.85	18.81		
3	64QAM	1	0	18.90	18.97	18.78	20.5	2
3	64QAM	1	8	18.90	18.87	18.81		
3	64QAM	1	14	18.84	18.80	18.77		
3	64QAM	8	0	17.81	17.84	17.87	19.5	3
3	64QAM	8	4	17.74	17.77	17.73		
3	64QAM	8	7	17.86	17.84	17.78		
3	64QAM	15	0	17.87	17.86	17.78		
3	256QAM	1	0	15.88	15.94	15.94	17.5	5
3	256QAM	1	8	15.92	15.98	15.86		
3	256QAM	1	14	15.82	15.89	15.85		
3	256QAM	8	0	15.73	15.93	15.79	17.5	5
3	256QAM	8	4	15.71	15.76	15.73		
3	256QAM	8	7	15.73	15.79	15.75		
3	256QAM	15	0	15.72	15.89	15.80		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.95	20.97	20.85	22.5	0
1.4	QPSK	1	3	20.85	20.93	20.80		
1.4	QPSK	1	5	20.87	20.82	20.73		
1.4	QPSK	3	0	20.90	20.94	20.85		
1.4	QPSK	3	1	20.89	20.85	20.86		
1.4	QPSK	3	3	20.76	20.80	20.76		
1.4	QPSK	6	0	19.77	19.93	19.82	21.5	1
1.4	16QAM	1	0	19.80	19.88	19.80	21.5	1
1.4	16QAM	1	3	19.76	19.83	19.71		
1.4	16QAM	1	5	19.77	19.91	19.82		
1.4	16QAM	3	0	19.93	19.94	19.91		
1.4	16QAM	3	1	19.75	19.88	19.89		
1.4	16QAM	3	3	19.73	19.88	19.71		
1.4	16QAM	6	0	18.91	18.93	18.89	20.5	2
1.4	64QAM	1	0	18.90	18.91	18.83	20.5	2
1.4	64QAM	1	3	18.76	18.84	18.88		
1.4	64QAM	1	5	18.92	18.97	18.83		
1.4	64QAM	3	0	18.84	18.92	18.75		
1.4	64QAM	3	1	18.84	18.87	18.74		
1.4	64QAM	3	3	18.78	18.83	18.79		
1.4	64QAM	6	0	17.74	17.80	17.75	19.5	3
1.4	256QAM	1	0	15.88	15.96	15.93	17.5	5
1.4	256QAM	1	3	15.92	15.90	15.87		
1.4	256QAM	1	5	15.87	15.96	15.78		
1.4	256QAM	3	0	15.89	15.92	15.72		
1.4	256QAM	3	1	15.73	15.76	15.74		
1.4	256QAM	3	3	15.81	15.84	15.75		
1.4	256QAM	6	0	15.80	15.85	15.75	17.5	5

Band 7 Ant5 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.60	18.68	18.57	20	0
20	QPSK	1	49	18.61	18.62	18.59		
20	QPSK	1	99	18.65	18.62	18.59		
20	QPSK	50	0	18.53	18.57	18.44	20	0
20	QPSK	50	24	18.46	18.51	18.19		
20	QPSK	50	50	18.20	18.51	18.27		
20	QPSK	100	0	18.53	18.56	18.52		
20	16QAM	1	0	18.36	18.56	18.30	20	0
20	16QAM	1	49	18.34	18.44	18.26		
20	16QAM	1	99	18.34	18.47	18.30		
20	16QAM	50	0	18.51	18.65	18.53	20	0
20	16QAM	50	24	18.45	18.61	18.51		
20	16QAM	50	50	18.55	18.64	18.55		
20	16QAM	100	0	18.40	18.54	18.47		
20	64QAM	1	0	18.53	18.66	18.55	20	0
20	64QAM	1	49	18.55	18.60	18.41		
20	64QAM	1	99	18.43	18.52	18.46		
20	64QAM	50	0	17.42	17.52	17.46	19	1
20	64QAM	50	24	17.42	17.53	17.43		
20	64QAM	50	50	17.54	17.57	17.47		
20	64QAM	100	0	17.49	17.51	17.37		
20	256QAM	1	0	15.57	15.70	15.65	17	3
20	256QAM	1	49	15.61	15.59	15.53		
20	256QAM	1	99	15.49	15.58	15.53		
20	256QAM	50	0	15.41	15.51	15.46	17	3
20	256QAM	50	24	15.46	15.49	15.36		
20	256QAM	50	50	15.49	15.52	15.45		
20	256QAM	100	0	15.39	15.56	15.53		
Channel				20525	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.42	18.56	18.50	20	0
15	QPSK	1	37	18.37	18.58	18.46		
15	QPSK	1	74	18.29	18.46	18.32		
15	QPSK	36	0	18.42	18.61	18.50	20	0
15	QPSK	36	20	18.57	18.33	18.33		
15	QPSK	36	39	18.47	18.40	18.23		
15	QPSK	75	0	18.42	18.32	18.41		
15	16QAM	1	0	18.51	18.57	18.52	20	0
15	16QAM	1	37	18.40	18.53	18.60		
15	16QAM	1	74	18.40	18.40	18.45		
15	16QAM	36	0	18.42	18.50	18.48	20	0
15	16QAM	36	20	18.30	18.56	18.46		
15	16QAM	36	39	18.46	18.57	18.50		
15	16QAM	75	0	18.27	18.45	18.40		
15	64QAM	1	0	18.38	18.62	18.43	20	0
15	64QAM	1	37	18.50	18.46	18.34		
15	64QAM	1	74	18.34	18.38	18.38		
15	64QAM	36	0	17.36	17.42	17.36	19	1
15	64QAM	36	20	17.28	17.40	17.37		
15	64QAM	36	39	17.43	17.50	17.34		
15	64QAM	75	0	17.44	17.41	17.33		
15	256QAM	1	0	15.51	15.65	15.58	17	3
15	256QAM	1	37	15.48	15.51	15.45		
15	256QAM	1	74	15.45	15.46	15.50		
15	256QAM	36	0	15.28	15.39	15.40	17	3
15	256QAM	36	20	15.32	15.36	15.23		
15	256QAM	36	39	15.35	15.37	15.40		
15	256QAM	75	0	15.34	15.43	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.52	18.50	18.51	20	0
10	QPSK	1	25	18.48	18.46	18.33		
10	QPSK	1	49	18.49	18.46	18.33		
10	QPSK	25	0	18.25	18.51	18.50	20	0
10	QPSK	25	12	18.38	18.51	18.38		
10	QPSK	25	25	18.25	18.30	18.42		
10	QPSK	50	0	18.32	18.45	18.36		
10	16QAM	1	0	18.61	18.63	18.55	20	0
10	16QAM	1	25	18.28	18.45	18.54		
10	16QAM	1	49	18.35	18.46	18.30		
10	16QAM	25	0	18.41	18.62	18.39	20	0
10	16QAM	25	12	18.40	18.50	18.43		
10	16QAM	25	25	18.49	18.52	18.44		
10	16QAM	50	0	18.35	18.44	18.39		
10	64QAM	1	0	18.44	18.56	18.41	20	0
10	64QAM	1	25	18.47	18.51	18.34		
10	64QAM	1	49	18.38	18.47	18.34		
10	64QAM	25	0	17.37	17.45	17.40	19	1
10	64QAM	25	12	17.32	17.50	17.34		
10	64QAM	25	25	17.39	17.46	17.38		
10	64QAM	50	0	17.39	17.44	17.28		
10	256QAM	1	0	15.53	15.61	15.59	17	3
10	256QAM	1	25	15.49	15.50	15.41		
10	256QAM	1	49	15.40	15.44	15.39		
10	256QAM	25	0	15.28	15.45	15.39	17	3
10	256QAM	25	12	15.35	15.38	15.22		
10	256QAM	25	25	15.36	15.38	15.39		
10	256QAM	50	0	15.30	15.51	15.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.40	18.48	18.39	20	0
5	QPSK	1	12	18.41	18.36	18.35		
5	QPSK	1	24	18.32	18.50	18.28		
5	QPSK	12	0	18.29	18.54	18.53	20	0
5	QPSK	12	7	18.42	18.45	18.46		
5	QPSK	12	13	18.37	18.29	18.30		
5	QPSK	25	0	18.24	18.31	18.29		
5	16QAM	1	0	18.51	18.62	18.40	20	0
5	16QAM	1	12	18.39	18.43	18.39		
5	16QAM	1	24	18.43	18.52	18.29		
5	16QAM	12	0	18.44	18.51	18.41	20	0
5	16QAM	12	7	18.37	18.55	18.43		
5	16QAM	12	13	18.44	18.57	18.41		
5	16QAM	25	0	18.30	18.47	18.34		
5	64QAM	1	0	18.43	18.60	18.46	20	0
5	64QAM	1	12	18.48	18.50	18.26		
5	64QAM	1	24	18.32	18.48	18.32		
5	64QAM	12	0	17.28	17.38	17.33	19	1
5	64QAM	12	7	17.39	17.50	17.28		
5	64QAM	12	13	17.41	17.52	17.39		
5	64QAM	25	0	17.44	17.46	17.28		
5	256QAM	1	0	15.48	15.63	15.52	17	3
5	256QAM	1	12	15.48	15.47	15.43		
5	256QAM	1	24	15.45	15.55	15.43		
5	256QAM	12	0	15.35	15.47	15.39	17	3
5	256QAM	12	7	15.37	15.37	15.26		
5	256QAM	12	13	15.46	15.48	15.41		
5	256QAM	25	0	15.27	15.43	15.47		

Band 66 Ant5 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.04	21.14	21.12	22.5	0
20	QPSK	1	49	21.00	21.05	21.03		
20	QPSK	1	99	21.03	21.00	20.88		
20	QPSK	50	0	20.00	20.14	20.05	21.5	1
20	QPSK	50	24	20.06	20.07	19.97		
20	QPSK	50	50	19.88	19.95	19.86		
20	QPSK	100	0	19.88	20.02	19.99		
20	16QAM	1	0	20.08	20.22	20.02	21.5	1
20	16QAM	1	49	19.99	20.06	20.04		
20	16QAM	1	99	19.97	20.11	19.93		
20	16QAM	50	0	19.06	19.16	19.06	20.5	2
20	16QAM	50	24	18.91	19.05	18.98		
20	16QAM	50	50	19.04	19.05	19.03		
20	16QAM	100	0	18.99	19.05	19.00		
20	64QAM	1	0	19.07	19.08	19.03	20.5	2
20	64QAM	1	49	19.01	19.07	18.93		
20	64QAM	1	99	19.00	18.99	18.96		
20	64QAM	50	0	17.95	18.03	18.03	19.5	3
20	64QAM	50	24	17.85	17.95	17.97		
20	64QAM	50	50	17.96	18.00	17.99		
20	64QAM	100	0	18.02	18.08	17.90		
20	256QAM	1	0	16.08	16.16	16.10	17.5	5
20	256QAM	1	49	16.08	16.13	16.10		
20	256QAM	1	99	16.07	16.06	16.02		
20	256QAM	50	0	15.95	16.04	15.93	17.5	5
20	256QAM	50	24	15.90	15.98	15.81		
20	256QAM	50	50	15.94	16.04	15.90		
20	256QAM	100	0	15.95	16.01	15.95		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.98	21.08	21.04	22.5	0
15	QPSK	1	37	20.86	20.95	20.96		
15	QPSK	1	74	20.99	20.87	20.83		
15	QPSK	36	0	19.87	20.04	19.96	21.5	1
15	QPSK	36	20	19.96	19.98	19.83		
15	QPSK	36	39	19.79	19.90	19.81		
15	QPSK	75	0	19.77	19.95	19.93		
15	16QAM	1	0	19.95	20.16	19.93	21.5	1
15	16QAM	1	37	19.94	20.01	20.01		
15	16QAM	1	74	19.85	19.98	19.86		
15	16QAM	36	0	18.96	19.11	18.98	20.5	2
15	16QAM	36	20	18.83	19.00	18.94		
15	16QAM	36	39	18.97	18.94	18.88		
15	16QAM	75	0	18.90	18.92	18.86		
15	64QAM	1	0	18.98	19.00	18.93	20.5	2
15	64QAM	1	37	18.88	19.01	18.78		
15	64QAM	1	74	18.93	18.92	18.86		
15	64QAM	36	0	17.88	17.89	17.95	19.5	3
15	64QAM	36	20	17.75	17.84	17.82		
15	64QAM	36	39	17.90	17.92	17.86		
15	64QAM	75	0	17.93	17.93	17.82		
15	256QAM	1	0	15.93	16.06	16.03	17.5	5
15	256QAM	1	37	16.02	16.02	16.03		
15	256QAM	1	74	15.98	15.99	15.92		
15	256QAM	36	0	15.98	15.92	15.86	17.5	5
15	256QAM	36	20	15.85	15.88	15.77		
15	256QAM	36	39	15.87	15.93	15.85		
15	256QAM	75	0	15.91	15.96	15.85		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.99	21.09	21.06	22.5	0
10	QPSK	1	25	20.92	20.95	20.92		
10	QPSK	1	49	20.93	20.96	20.78		
10	QPSK	25	0	19.92	20.00	19.96	21.5	1
10	QPSK	25	12	19.93	19.98	19.91		
10	QPSK	25	25	19.74	19.86	19.72		
10	QPSK	50	0	19.82	19.97	19.94		
10	16QAM	1	0	19.98	20.16	19.98	21.5	1
10	16QAM	1	25	19.94	19.92	19.95		
10	16QAM	1	49	19.82	20.04	19.84		
10	16QAM	25	0	18.95	19.05	18.94	20.5	2
10	16QAM	25	12	18.79	18.99	18

Band 38 Ant5 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.60	18.89	18.63	20.5	0
20	QPSK	1	49	18.58	18.69	18.59		
20	QPSK	1	99	18.68	18.74	18.60		
20	QPSK	50	0	18.58	18.83	18.73	20.5	0
20	QPSK	50	24	18.80	18.77	18.63		
20	QPSK	50	50	18.62	18.81	18.61		
20	QPSK	100	0	18.63	18.75	18.67		
20	16QAM	1	0	18.84	18.74	18.70	20.5	0
20	16QAM	1	49	18.66	18.82	18.85		
20	16QAM	1	99	18.61	18.76	18.64		
20	16QAM	50	0	18.75	18.74	18.69	20	0.5
20	16QAM	50	24	18.57	18.66	18.62		
20	16QAM	50	50	18.67	18.70	18.71		
20	16QAM	100	0	18.70	18.70	18.65		
20	64QAM	1	0	18.76	18.75	18.71	20	0.5
20	64QAM	1	49	18.61	18.69	18.63		
20	64QAM	1	99	18.65	18.65	18.64		
20	64QAM	50	0	17.63	17.69	17.67	19	1.5
20	64QAM	50	24	17.58	17.60	17.58		
20	64QAM	50	50	17.63	17.65	17.59		
20	64QAM	100	0	17.82	17.81	17.77		
20	256QAM	1	0	15.67	15.76	15.71	17	3.5
20	256QAM	1	49	15.68	15.73	15.74		
20	256QAM	1	99	15.59	15.68	15.61		
20	256QAM	50	0	15.68	15.71	15.68	17	3.5
20	256QAM	50	24	15.54	15.61	15.61		
20	256QAM	50	50	15.67	15.67	15.61		
20	256QAM	100	0	15.63	15.72	15.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.75	18.81	18.61	20.5	0
15	QPSK	1	37	18.68	18.88	18.68		
15	QPSK	1	74	18.64	18.69	18.71		
15	QPSK	36	0	18.62	18.80	18.72	20.5	0
15	QPSK	36	20	18.85	18.87	18.74		
15	QPSK	36	39	18.76	18.70	18.58		
15	QPSK	75	0	18.60	18.68	18.55		
15	16QAM	1	0	18.60	18.59	18.80	20.5	0
15	16QAM	1	37	18.63	18.83	18.73		
15	16QAM	1	74	18.62	18.80	18.60		
15	16QAM	36	0	18.74	18.67	18.61	20	0.5
15	16QAM	36	20	18.53	18.67	18.64		
15	16QAM	36	39	18.60	18.64	18.70		
15	16QAM	75	0	18.64	18.61	18.60		
15	64QAM	1	0	18.67	18.73	18.65	20	0.5
15	64QAM	1	37	18.56	18.69	18.55		
15	64QAM	1	74	18.57	18.65	18.65		
15	64QAM	36	0	17.56	17.68	17.63	19	1.5
15	64QAM	36	20	17.54	17.55	17.59		
15	64QAM	36	39	17.55	17.56	17.52		
15	64QAM	75	0	17.82	17.78	17.78		
15	256QAM	1	0	15.67	15.67	15.70	17	3.5
15	256QAM	1	37	15.59	15.71	15.73		
15	256QAM	1	74	15.53	15.68	15.60		
15	256QAM	36	0	15.59	15.66	15.60	17	3.5
15	256QAM	36	20	15.55	15.53	15.57		
15	256QAM	36	39	15.62	15.64	15.57		
15	256QAM	75	0	15.63	15.69	15.60		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.61	18.78	18.62	20.5	0
10	QPSK	1	25	18.57	18.71	18.67		
10	QPSK	1	49	18.62	18.75	18.70		
10	QPSK	25	0	18.53	18.87	18.77	20.5	0
10	QPSK	25	12	18.65	18.70	18.74		
10	QPSK	25	25	18.67	18.70	18.62		
10	QPSK	50	0	18.68	18.67	18.68		
10	16QAM	1	0	18.83	18.63	18.74	20.5	0
10	16QAM	1	25	18.63	18.88	18.78		
10	16QAM	1	49	18.74	18.76	18.74		
10	16QAM	25	0	18.72	18.65	18.68	20	0.5
10	16QAM	25	12	18.55	18.66	18.60		
10	16QAM	25	25	18.61	18.60	18.68		
10	16QAM	50	0	18.63	18.67	18.66		
10	64QAM	1	0	18.68	18.73	18.73	20	0.5
10	64QAM	1	25	18.59	18.63	18.58		
10	64QAM	1	49	18.61	18.63	18.65		
10	64QAM	25	0	17.55	17.69	17.63	19	1.5
10	64QAM	25	12	17.59	17.52	17.50		
10	64QAM	25	25	17.54	17.65	17.58		
10	64QAM	50	0	17.77	17.74	17.75		
10	256QAM	1	0	15.61	15.72	15.71	17	3.5
10	256QAM	1	25	15.60	15.64	15.73		
10	256QAM	1	49	15.54	15.64	15.61		
10	256QAM	25	0	15.58	15.72	15.59	17	3.5
10	256QAM	25	12	15.53	15.62	15.60		
10	256QAM	25	25	15.68	15.62	15.57		
10	256QAM	50	0	15.62	15.73	15.64		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.63	18.81	18.68	20.5	0
5	QPSK	1	12	18.71	18.77	18.55		
5	QPSK	1	24	18.71	18.75	18.62		
5	QPSK	12	0	18.59	18.75	18.71	20.5	0
5	QPSK	12	7	18.68	18.76	18.70		
5	QPSK	12	13	18.72	18.65	18.64		
5	QPSK	25	0	18.65	18.69	18.59		
5	16QAM	1	0	18.72	18.87	18.81	20.5	0
5	16QAM	1	12	18.65	18.86	18.71		
5	16QAM	1	24	18.75	18.88	18.63		
5	16QAM	12	0	18.74	18.76	18.69	20	0.5
5	16QAM	12	7	18.54	18.57	18.59		
5	16QAM	12	13	18.66	18.71	18.66		
5	16QAM	25	0	18.67	18.72	18.66		
5	64QAM	1	0	18.73	18.76	18.72	20	0.5
5	64QAM	1	12	18.54	18.65	18.63		
5	64QAM	1	24	18.67	18.59	18.60		
5	64QAM	12	0	17.56	17.65	17.62	19	1.5
5	64QAM	12	7	17.55	17.58	17.57		
5	64QAM	12	13	17.61	17.63	17.52		
5	64QAM	25	0	17.81	17.76	17.73		
5	256QAM	1	0	15.62	15.77	15.63	17	3.5
5	256QAM	1	12	15.65	15.68	15.72		
5	256QAM	1	24	15.60	15.60	15.51		
5	256QAM	12	0	15.61	15.61	15.67	17	3.5
5	256QAM	12	7	15.55	15.56	15.59		
5	256QAM	12	13	15.63	15.67	15.55		
5	256QAM	25	0	15.63	15.70	15.63		

Band 41 Ant5 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.69	18.62	18.91	18.67	18.77	20.5	0
20	QPSK	1	49	18.69	18.70	18.64	18.66	18.80		
20	QPSK	1	99	18.50	18.68	18.74	18.71	18.53		
20	QPSK	50	0	18.73	18.75	18.86	18.68	18.77	20.5	0
20	QPSK	50	24	18.62	18.61	18.85	18.80	18.61		
20	QPSK	50	50	18.57	18.71	18.58	18.54	18.60		
20	QPSK	100	0	18.55	18.67	18.71	18.69	18.64		
20	16QAM	1	0	18.77	18.67	18.87	18.78	18.59	20.5	0
20	16QAM	1	49	18.77	18.63	18.79	18.65	18.61		
20	16QAM	1	99	18.53	18.62	18.77	18.57	18.60		
20	16QAM	50	0	18.32	18.33	18.36	18.32	18.24	20	0.5
20	16QAM	50	24	18.11	18.13	18.26	18.27	18.14		
20	16QAM	50	50	18.23	18.29	18.33	18.30	18.23		
20	16QAM	100	0	18.17	18.25	18.29	18.29	18.22		
20	64QAM	1	0	18.34	18.38	18.37	18.30	18.34	20	0.5
20	64QAM	1	49	18.25	18.22	18.31	18.24	18.17		
20	64QAM	1	99	18.14	18.24	18.22	18.26	18.17		
20	64QAM	50	0	17.27	17.23	17.33	17.25	17.28	19	1.5
20	64QAM	50	24	17.14	17.18	17.20	17.19	17.08		
20	64QAM	50	50	17.17	17.27	17.30	17.25	17.23		
20	64QAM	100	0	17.28	17.40	17.41	17.42	17.36		
20	256QAM	1	0	15.26	15.26	15.38	15.34	15.31	17	3.5
20	256QAM	1	49	15.32	15.26	15.36	15.36	15.25		
20	256QAM	1	99	15.12	15.20	15.25	15.22	15.13		
20	256QAM	50	0	15.20	15.27	15.29	15.24	15.24	17	3.5
20	256QAM	50	24	15.18	15.10	15.25	15.22	15.14		
20	256QAM	50	50	15.13	15.25	15.23	15.26	15.20		
20	256QAM	100	0	15.17	15.26	15.30	15.32	15.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.59	18.50	18.87	18.71	18.59	21	0
15	QPSK	1	37	18.56	18.64	18.62	18.61	18.62		
15	QPSK	1	74	18.56	18.56	18.62	18.61	18.65		
15	QPSK	36	0	18.50	18.75	18.82	18.56	18.62	20.5	0
15	QPSK	36	20	18.52	18.52	18.60	18.66	18.63		
15	QPSK	36	39	18.66	18.50	18.53	18.55	18.65		
15	QPSK	75	0	18.58	18.70	18.57	18.66	18.51		
15	16QAM	1	0	18.57	18.67	18.63	18.75	18.62	20.5	0
15	16QAM	1	37	18.69	18.67	18.58	18.56	18.60		
15	16QAM	1	74	18.62	18.61	18.76	18.64	18.58		
15	16QAM	36	0	18.22	18.19	18.27	18.29	18.15	20	0.5
15	16QAM	36	20	18.04	18.06	18.21	18.14	18.02		
15	16QAM	36	39	18.18	18.20	18.29	18.18	18.11		
15	16QAM	75	0	18.11	18.16	18.16	18.19	18.11		
15	64QAM	1	0	18.27	18.25	18.26	18.17	18.25	20	0.5
15	64QAM	1	37	18.12	18.10	18.22	18.16	18.03		
15	64QAM	1	74	18.04	18.12	18.08	18.22	18.05		
15	64QAM	36	0	17.17	17.11	17.21	17.16	17.18	19	1.5
15	64QAM	36	20	17.10	17.14	17.09	17.16	17.04		
15	64QAM	36	39	17.09	17.19	17.16	17.17	17.11		
15	64QAM	75	0	17.19	17.35	17.38	17.30	17.23		
15	256QAM	1	0	15.17	15.22	15.26	15.28	15.28	17	3.5
15	256QAM	1	37	15.18	15.22	15.29	15.25	15.11		
15	256QAM	1	74	15.04	15.13	15.11	15.17	15.07		
15	256QAM	36	0	15.10	15.16	15.21	15.12	15.19	17	3.5
15	256QAM	36	20	15.03	15.08	15.13	15.18	15.10		
15	256QAM	36	39	15.00	15.14	15.14	15.17	15.08		
15	256QAM	75	0	15.11	15.20	15.24	15.21	15.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.64	18.68	18.83	18.60	18.77	21	0
10	QPSK	1	25	18.63	18.55	18.84	18.56	18.71		
10	QPSK	1	49	18.58	18.68	18.56	18.52	18.56		
10	QPSK	25	0	18.51	18.65	18.76	18.72	18.74	20.5	0
10	QPSK	25	12	18.64	18.65	18.69	18.59	18.56		
10	QPSK	25	25	18.64	18.66	18.55	18.52	18.53		
10	QPSK	50	0	18.52	18.52	18.59	18.59	18.51		
10	16QAM	1	0	18.68	18.66	18.84	18.74	18.55	20.5	0
10	16QAM	1	25	18.62	18.71	18.77	18.52	18.72		
10	16QAM	1	49	18.64	18.62	18.69	18.60	18.58		
10	16QAM	25	0	18.17	18.21	18.26	18.23	18.13	20	0.5
10	16QAM	25	12	18.08	18.00	18.18	18.18	18.07		
10	16QAM	25	25	18.17	18.21	18.28	18.16	18.17		
10	16QAM	50	0	18.08	18.16	18.16	18.25	18.15		
10	64QAM	1	0	18.22	18.34	18.25	18.18	18.22	20	0.5
10	64QAM	1	25	18.19	18.10	18.27	18.12	18.06		
10	64QAM	1	49	18.05	18.12	18.16	18.14	18.13		
10	64QAM	25	0	17.17	17.16	17.19	17.19	17.19	19	1.5
10	64QAM	25	12	17.00	17.10	17.16	17.12	17.05		
10	64QAM	25	25	17.07	17.21	17.18	17.14	17.11		
10	64QAM	50	0	17.19	17.34	17.32	17.28	17.24		
10	256QAM	1	0	15.16	15.17	15.30	15.30	15.27	17	3.5
10	256QAM	1	25	15.23	15.18	15.30	15.28	15.18		
10	256QAM	1	49	15.08	15.06	15.19	15.19	15.02		
10	256QAM	25	0	15.12	15.13	15.17	15.09	15.19	17	3.5
10	256QAM	25	12	15.08	15.04	15.12	15.10	15.04		
10	256QAM	25	25	15.02	15.19	15.19	15.18	15.16		
10	256QAM	50	0	15.08	15.23	15.26	15.18	15.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.71	18.63	18.73	18.57	18.70	21	0
5	QPSK	1	12	18.50	18.53	18.75	18.60	18.75		
5	QPSK	1	24	18.55	18.53	18.65	18.60	18.57		
5	QPSK	12	0	18.63	18.54	18.76	18.56	18.69	20.5	0
5	QPSK	12	7	18.53	18.69	18.81	18.56	18.59		
5	QPSK	12	13	18.55	18.50	18.66	18.66	18.50		
5	QPSK	25	0	18.65	18.58	18.77	18.65	18.70		
5	16QAM	1	0	18.55	18.65	18.71	18.74	18.72	20.5	0
5	16QAM	1	12	18.64	18.54	18.72	18.59	18.64		
5	16QAM	1	24	18.57	18.68	18.78	18.60	18.52		
5	16QAM	12	0	18.27	18.20	18.26	18.24	18.14	20	0.5
5	16QAM	12	7	18.04	18.06	18.20	18.19	18.07		
5	16QAM	12	13	18.13	18.22	18.28	18.24	18.09		
5	16QAM	25	0	18.05	18.12	18.19	18.20	18.10		
5	64QAM	1	0	18.25	18.29	18.33	18.27	18.21	20	0.5
5	64QAM	1	12	18.20	18.10	18.27	18.20	18.09		
5	64QAM	1	24	18.00	18.16	18.19	18.13	18.13		
5	64QAM	12	0	17.16	17.11	17.26	17.20	17.17	19	1.5
5	64QAM	12	7	17.09	17.06	17.07	17.09	17.06		
5	64QAM	12	13	17.09	17.14	17.20	17.11	17.10		
5	64QAM	25	0	17.23	17.36	17.29	17.36	17.25		
5	256QAM	1	0	15.21	15.21	15.32	15.28	15.24	17	3.5
5	256QAM	1	12	15.17	15.17	15.32	15.23	15.22		
5	256QAM	1	24	15.05	15.05	15.17	15.09	15.00		
5	256QAM	12	0	15.11	15.24	15.19	15.17	15.17	17	3.5
5	256QAM	12	7	15.14	15.05	15.18	15.09	15.10		
5	256QAM	12	13	15.09	15.14	15.18	15.11	15.14		
5	256QAM	25	0	15.04	15.20	15.21	15.27	15.14		

Band 42 Ant6 DSI4 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.34	19.62	19.28	20.2	0
20	QPSK	1	49	19.11	19.19	19.17		
20	QPSK	1	99	19.15	19.26	19.34		
20	QPSK	50	0	19.12	19.50	19.24	20.2	0
20	QPSK	50	24	19.11	19.20	19.05		
20	QPSK	50	50	18.92	19.05	19.10		
20	QPSK	100	0	19.05	19.42	19.41		
20	16QAM	1	0	19.07	19.31	19.41	20.2	0
20	16QAM	1	49	19.02	19.29	19.02		
20	16QAM	1	99	19.08	19.11	19.16		
20	16QAM	50	0	19.20	19.16	19.24	20.2	0
20	16QAM	50	24	19.00	19.22	19.27		
20	16QAM	50	50	19.22	19.52	19.25		
20	16QAM	100	0	19.08	19.26	18.97		
20	64QAM	1	0	19.44	19.40	19.14	20.2	0
20	64QAM	1	49	19.23	19.46	19.20		
20	64QAM	1	99	18.98	19.31	19.27		
20	64QAM	50	0	19.16	18.99	19.30	20.2	0
20	64QAM	50	24	19.44	19.45	19.04		
20	64QAM	50	50	19.09	19.32	19.33		
20	64QAM	100	0	19.16	19.38	19.38		
20	256QAM	1	0	19.14	19.26	19.49	20.2	0
20	256QAM	1	49	19.19	19.15	18.87		
20	256QAM	1	99	19.29	19.18	19.17		
20	256QAM	50	0	19.20	19.24	19.33	20.2	0
20	256QAM	50	24	19.05	19.23	19.07		
20	256QAM	50	50	19.21	19.15	19.13		
20	256QAM	100	0	19.11	19.60	19.22		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.19	19.51	19.19	20.2	0
15	QPSK	1	37	19.06	19.28	19.16		
15	QPSK	1	74	19.16	19.39	19.20		
15	QPSK	36	0	19.25	19.27	19.26	20.2	0
15	QPSK	36	20	19.08	19.23	18.92		
15	QPSK	36	39	19.04	18.94	19.18		
15	QPSK	75	0	19.11	19.61	19.28		
15	16QAM	1	0	19.12	19.49	19.35	20.2	0
15	16QAM	1	37	19.11	19.41	19.11		
15	16QAM	1	74	19.15	19.30	19.05		
15	16QAM	36	0	19.26	19.13	19.10	20.2	0
15	16QAM	36	20	19.00	19.21	19.22		
15	16QAM	36	39	19.03	19.50	19.39		
15	16QAM	75	0	19.25	19.37	19.14		
15	64QAM	1	0	19.44	19.50	19.26	20.2	0
15	64QAM	1	37	19.28	19.49	19.16		
15	64QAM	1	74	18.94	19.16	19.28		
15	64QAM	36	0	18.98	19.06	19.34	20.2	0
15	64QAM	36	20	19.34	19.26	19.17		
15	64QAM	36	39	19.09	19.11	19.34		
15	64QAM	75	0	19.01	19.54	19.46		
15	256QAM	1	0	19.26	19.31	19.35	20.2	0
15	256QAM	1	37	18.99	19.24	18.89		
15	256QAM	1	74	19.44	19.30	19.11		
15	256QAM	36	0	19.36	19.29	19.13	20.2	0
15	256QAM	36	20	19.08	19.10	19.24		
15	256QAM	36	39	19.09	19.32	19.00		
15	256QAM	75	0	19.31	19.60	19.13		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.24	19.29	19.28	20.2	0
10	QPSK	1	25	18.92	19.30	19.25		
10	QPSK	1	49	19.34	19.38	19.29		
10	QPSK	25	0	19.27	19.28	19.16	20.2	0
10	QPSK	25	12	19.23	19.14	19.14		
10	QPSK	25	25	19.05	18.84	19.07		
10	QPSK	50	0	19.07	19.39	19.30		
10	16QAM	1	0	19.15	19.36	19.40	20.2	0
10	16QAM	1	25	19.13	19.30	19.07		
10	16QAM	1	49	19.08	19.16	19.08		
10	16QAM	25	0	19.20	19.20	19.17	20.2	0
10	16QAM	25	12	18.95	19.08	19.28		
10	16QAM	25	25	19.06	19.53	19.20		
10	16QAM	50	0	19.09	19.29	18.98		
10	64QAM	1	0	19.35	19.36	19.29	20.2	0
10	64QAM	1	25	19.12	19.48	19.04		
10	64QAM	1	49	18.93	19.36	19.36		
10	64QAM	25	0	19.01	19.07	19.42	20.2	0
10	64QAM	25	12	19.41	19.40	19.16		
10	64QAM	25	25	19.12	19.31	19.22		
10	64QAM	50	0	19.12	19.40	19.46		
10	256QAM	1	0	19.19	19.24	19.45	20.2	0
10	256QAM	1	25	19.03	19.03	18.92		
10	256QAM	1	49	19.30	19.20	19.17		
10	256QAM	25	0	19.21	19.24	19.31	20.2	0
10	256QAM	25	12	18.89	19.08	19.03		
10	256QAM	25	25	19.19	19.31	19.11		
10	256QAM	50	0	19.16	19.56	19.18		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.38	19.49	19.21	20.2	0
5	QPSK	1	12	19.10	19.33	19.29		
5	QPSK	1	24	19.38	19.41	19.20		
5	QPSK	12	0	19.10	19.27	19.22	20.2	0
5	QPSK	12	7	19.05	19.10	18.97		
5	QPSK	12	13	18.99	19.03	19.04		
5	QPSK	25	0	19.21	19.58	19.41		
5	16QAM	1	0	19.16	19.32	19.43	20.2	0
5	16QAM	1	12	19.02	19.25	19.10		
5	16QAM	1	24	18.96	19.30	19.04		
5	16QAM	12	0	19.30	19.21	19.09	20.2	0
5	16QAM	12	7	19.10	19.12	19.27		
5	16QAM	12	13	19.20	19.46	19.27		
5	16QAM	25	0	19.26	19.33	19.15		
5	64QAM	1	0	19.30	19.47	19.21	20.2	0
5	64QAM	1	12	19.19	19.55	19.09		
5	64QAM	1	24	19.15	19.33	19.24		
5	64QAM	12	0	19.17	19.08	19.40	20.2	0
5	64QAM	12	7	19.35	19.34	19.09		
5	64QAM	12	13	19.22	19.33	19.22		
5	64QAM	25	0	19.11	19.51	19.39		
5	256QAM	1	0	19.19	19.20	19.32	20.2	0
5	256QAM	1	12	19.18	19.23	18.89		
5	256QAM	1	24	19.29	19.21	19.24		
5	256QAM	12	0	19.37	19.28	19.32	20.2	0
5	256QAM	12	7	18.89	19.21	19.15		
5	256QAM	12	13	19.07	19.35	19.20		
5	256QAM	25	0	19.13	19.62	19.00		

Band 48 Ant6 DSI4 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.11	19.45	19.20	19.07	20.2	0
20	QPSK	1	49	19.30	19.06	19.23	19.00		
20	QPSK	1	99	19.19	19.08	19.02	19.18		
20	QPSK	50	0	19.24	19.39	19.07	19.05	20.2	0
20	QPSK	50	24	19.27	19.09	18.93	19.14		
20	QPSK	50	50	19.12	18.82	18.73	19.27		
20	QPSK	100	0	19.06	19.37	19.03	19.23		
20	16QAM	1	0	19.04	19.15	19.20	19.03	20.2	0
20	16QAM	1	49	19.07	19.06	18.98	19.20		
20	16QAM	1	99	19.04	19.26	18.97	19.21		
20	16QAM	50	0	19.12	19.10	19.17	19.18	20.2	0
20	16QAM	50	24	18.85	19.10	19.29	18.79		
20	16QAM	50	50	18.95	19.15	19.21	19.11		
20	16QAM	100	0	19.26	19.14	19.23	19.00		
20	64QAM	1	0	19.33	19.22	19.28	19.00	20.2	0
20	64QAM	1	49	19.25	19.21	19.01	19.04		
20	64QAM	1	99	19.30	18.99	19.10	19.34		
20	64QAM	50	0	18.97	18.94	19.08	19.06	20.2	0
20	64QAM	50	24	19.10	19.38	18.99	19.04		
20	64QAM	50	50	19.18	19.17	18.90	19.01		
20	64QAM	100	0	19.11	19.26	18.96	19.12		
20	256QAM	1	0	19.20	19.11	19.08	19.09	20.2	0
20	256QAM	1	49	19.35	19.02	18.99	18.92		
20	256QAM	1	99	19.15	19.18	19.07	19.12		
20	256QAM	50	0	19.35	19.09	19.27	19.11	20.2	0
20	256QAM	50	24	19.05	18.97	19.15	18.96		
20	256QAM	50	50	19.16	19.02	19.07	18.99		
20	256QAM	100	0	19.05	19.27	19.21	18.87		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.20	19.20	19.06	19.16	20.2	0
15	QPSK	1	37	19.28	19.08	19.20	19.18		
15	QPSK	1	74	19.00	19.04	18.96	19.06		
15	QPSK	36	0	19.10	19.30	19.20	19.08	20.2	0
15	QPSK	36	20	19.27	19.20	19.03	19.08		
15	QPSK	36	39	19.12	18.82	18.89	19.26		
15	QPSK	75	0	19.14	19.32	19.11	19.21		
15	16QAM	1	0	19.03	19.07	19.21	19.03	20.2	0
15	16QAM	1	37	19.17	19.03	19.16	19.17		
15	16QAM	1	74	18.96	19.11	18.97	19.19		
15	16QAM	36	0	18.97	19.05	19.12	19.34	20.2	0
15	16QAM	36	20	18.85	19.08	19.13	18.85		
15	16QAM	36	39	18.93	19.15	19.23	19.13		
15	16QAM	75	0	19.12	19.35	19.09	19.01		
15	64QAM	1	0	19.31	19.26	19.21	19.18	20.2	0
15	64QAM	1	37	19.13	19.34	19.15	18.98		
15	64QAM	1	74	19.36	19.00	19.07	19.18		
15	64QAM	36	0	18.98	19.04	19.09	19.30	20.2	0
15	64QAM	36	20	19.06	19.23	18.94	19.10		
15	64QAM	36	39	19.20	19.33	19.03	19.02		
15	64QAM	75	0	19.15	19.29	19.09	19.21		
15	256QAM	1	0	19.09	19.28	19.13	19.04	20.2	0
15	256QAM	1	37	19.23	18.83	18.96	18.85		
15	256QAM	1	74	19.29	19.10	19.04	19.07		
15	256QAM	36	0	19.30	19.02	19.06	18.98	20.2	0
15	256QAM	36	20	19.10	18.90	19.04	19.02		
15	256QAM	36	39	19.19	19.12	19.02	18.88		
15	256QAM	75	0	19.02	19.11	19.00	19.02		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.11	19.29	19.03	19.00	20.2	0
10	QPSK	1	25	19.24	19.20	19.31	19.16		
10	QPSK	1	49	19.05	19.03	18.91	19.13		
10	QPSK	25	0	19.05	19.27	19.23	19.14	20.2	0
10	QPSK	25	12	19.20	19.16	18.90	19.07		
10	QPSK	25	25	19.12	18.83	18.70	19.09		
10	QPSK	50	0	19.13	19.24	19.12	19.16		
10	16QAM	1	0	19.03	19.18	19.21	19.11	20.2	0
10	16QAM	1	25	19.09	19.11	19.04	19.16		
10	16QAM	1	49	18.98	19.09	19.10	19.27		
10	16QAM	25	0	19.02	19.03	19.20	19.22	20.2	0
10	16QAM	25	12	18.93	19.23	19.10	18.79		
10	16QAM	25	25	18.95	19.20	19.10	19.06		
10	16QAM	50	0	19.15	19.21	19.23	19.00		
10	64QAM	1	0	19.20	19.08	19.11	19.01	20.2	0
10	64QAM	1	25	19.18	19.25	19.05	19.21		
10	64QAM	1	49	19.24	18.98	18.99	19.19		
10	64QAM	25	0	19.11	19.02	19.16	19.26	20.2	0
10	64QAM	25	12	19.15	19.32	19.06	18.96		
10	64QAM	25	25	19.25	19.31	18.89	19.15		
10	64QAM	50	0	19.09	19.30	19.16	19.02		
10	256QAM	1	0	19.23	19.10	19.07	18.89	20.2	0
10	256QAM	1	25	19.21	18.93	18.98	19.00		
10	256QAM	1	49	19.33	19.06	19.06	19.13		
10	256QAM	25	0	19.19	19.25	19.19	19.18	20.2	0
10	256QAM	25	12	19.11	18.90	19.17	19.05		
10	256QAM	25	25	19.04	19.05	19.00	18.86		
10	256QAM	50	0	19.16	19.16	19.14	18.95		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	19.01	19.44	19.12	19.04	20.2	0
5	QPSK	1	12	19.13	19.03	19.28	19.04		
5	QPSK	1	24	19.16	19.05	19.02	19.14		
5	QPSK	12	0	19.20	19.30	19.19	19.09	20.2	0
5	QPSK	12	7	19.22	19.25	19.02	19.21		
5	QPSK	12	13	19.17	18.87	18.81	19.16		
5	QPSK	25	0	19.05	19.23	19.10	19.21		
5	16QAM	1	0	19.02	19.15	19.28	19.17	20.2	0
5	16QAM	1	12	19.10	19.03	19.13	19.12		
5	16QAM	1	24	19.02	19.28	19.04	19.05		
5	16QAM	12	0	18.94	19.17	19.15	19.31	20.2	0
5	16QAM	12	7	18.82	19.11	19.22	18.75		
5	16QAM	12	13	19.04	19.06	19.24	19.22		
5	16QAM	25	0	19.24	19.32	19.23	19.13		
5	64QAM	1	0	19.19	19.19	19.12	19.14	20.2	0
5	64QAM	1	12	19.22	19.36	19.05	19.20		
5	64QAM	1	24	19.22	18.95	19.14	19.14		
5	64QAM	12	0	19.13	19.01	19.05	19.28	20.2	0
5	64QAM	12	7	19.13	19.30	19.04	19.13		
5	64QAM	12	13	19.26	19.37	19.05	19.07		
5	64QAM	25	0	19.19	19.18	19.02	19.21		
5	256QAM	1	0	19.15	19.09	19.10	19.07	20.2	0
5	256QAM	1	12	19.40	18.91	19.00	18.85		
5	256QAM	1	24	19.09	19.11	19.03	19.20		
5	256QAM	12	0	19.21	19.25	19.07	19.09	20.2	0
5	256QAM	12	7	19.01	18.88	19.09	18.92		
5	256QAM	12	13	19.15	19.04	19.06	18.83		
5	256QAM	25	0	19.05	19.24	19.10	18.97		

Band 42 Ant7 DSI4 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.94	23.06	22.92	24.5	0
20	QPSK	1	49	22.88	22.95	22.81		
20	QPSK	1	99	22.85	22.86	22.77		
20	QPSK	50	0	21.88	21.97	21.88	23.5	1
20	QPSK	50	24	21.87	21.95	21.90		
20	QPSK	50	50	21.82	21.88	21.88		
20	QPSK	100	0	21.90	21.94	21.87		
20	16QAM	1	0	21.93	21.99	21.91	23.5	1
20	16QAM	1	49	21.85	21.97	21.81		
20	16QAM	1	99	21.88	21.97	21.92		
20	16QAM	50	0	20.94	21.01	20.93	22.5	2
20	16QAM	50	24	20.80	20.89	20.93		
20	16QAM	50	50	20.79	20.95	20.94		
20	16QAM	100	0	20.86	20.94	20.95		
20	64QAM	1	0	20.97	21.00	20.88	22.5	2
20	64QAM	1	49	20.81	20.95	20.76		
20	64QAM	1	99	20.82	20.77	20.89		
20	64QAM	50	0	19.77	20.01	19.88	21.5	3
20	64QAM	50	24	19.82	19.86	19.93		
20	64QAM	50	50	19.86	19.97	19.92		
20	64QAM	100	0	20.03	20.04	19.98		
20	256QAM	1	0	17.85	17.89	17.90	19.5	5
20	256QAM	1	49	17.83	17.96	17.93		
20	256QAM	1	99	17.74	17.89	17.82		
20	256QAM	50	0	17.82	17.95	17.85	19.5	5
20	256QAM	50	24	17.68	17.97	17.87		
20	256QAM	50	50	17.84	17.84	17.90		
20	256QAM	100	0	17.86	17.92	17.81		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.89	22.92	22.79	24.5	0
15	QPSK	1	37	22.77	22.89	22.78		
15	QPSK	1	74	22.75	22.74	22.74		
15	QPSK	36	0	21.79	21.85	21.74	23.5	1
15	QPSK	36	20	21.76	21.87	21.75		
15	QPSK	36	39	21.69	21.75	21.78		
15	QPSK	75	0	21.80	21.85	21.77		
15	16QAM	1	0	21.79	21.88	21.84	23.5	1
15	16QAM	1	37	21.78	21.94	21.75		
15	16QAM	1	74	21.81	21.88	21.85		
15	16QAM	36	0	20.85	20.95	20.84	22.5	2
15	16QAM	36	20	20.77	20.75	20.85		
15	16QAM	36	39	20.69	20.80	20.84		
15	16QAM	75	0	20.77	20.83	20.91		
15	64QAM	1	0	20.85	20.91	20.78	22.5	2
15	64QAM	1	37	20.75	20.82	20.71		
15	64QAM	1	74	20.75	20.65	20.75		
15	64QAM	36	0	19.72	19.94	19.75	21.5	3
15	64QAM	36	20	19.78	19.77	19.88		
15	64QAM	36	39	19.75	19.89	19.86		
15	64QAM	75	0	19.91	19.90	19.93		
15	256QAM	1	0	17.71	17.86	17.82	19.5	5
15	256QAM	1	37	17.70	17.90	17.87		
15	256QAM	1	74	17.70	17.84	17.70		
15	256QAM	36	0	17.75	17.91	17.78	19.5	5
15	256QAM	36	20	17.53	17.90	17.80		
15	256QAM	36	39	17.74	17.79	17.78		
15	256QAM	75	0	17.83	17.84	17.68		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.83	22.94	22.86	24.5	0
10	QPSK	1	25	22.79	22.87	22.77		
10	QPSK	1	49	22.82	22.80	22.72		
10	QPSK	25	0	21.83	21.87	21.79	23.5	1
10	QPSK	25	12	21.81	21.88	21.79		
10	QPSK	25	25	21.73	21.81	21.81		
10	QPSK	50	0	21.86	21.82	21.78		
10	16QAM	1	0	21.85	21.87	21.80	23.5	1
10	16QAM	1	25	21.82	21.90	21.73		
10	16QAM	1	49	21.82	21.83	21.79		
10	16QAM	25	0	20.82	20.91	20.89	22.5	2
10	16QAM	25	12	20.69	20.74	20.83		
10	16QAM	25	25	20.68	20.81	20.84		
10	16QAM	50	0	20.77	20.82	20.89		
10	64QAM	1	0	20.82	20.94	20.84	22.5	2
10	64QAM	1	25	20.74	20.80	20.63		
10	64QAM	1	49	20.72	20.73	20.83		
10	64QAM	25	0	19.67	19.95	19.74	21.5	3
10	64QAM	25	12	19.76	19.75	19.83		
10	64QAM	25	25	19.76	19.85	19.87		
10	64QAM	50	0	19.93	19.97	19.86		
10	256QAM	1	0	17.76	17.81	17.78	19.5	5
10	256QAM	1	25	17.78	17.88	17.88		
10	256QAM	1	49	17.63	17.82	17.67		
10	256QAM	25	0	17.68	17.86	17.76	19.5	5
10	256QAM	25	12	17.62	17.93	17.73		
10	256QAM	25	25	17.69	17.70	17.81		
10	256QAM	50	0	17.77	17.83	17.69		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.87	23.01	22.80	24.5	0
5	QPSK	1	12	22.76	22.80	22.69		
5	QPSK	1	24	22.70	22.76	22.66		
5	QPSK	12	0	21.76	21.90	21.83	23.5	1
5	QPSK	12	7	21.81	21.89	21.79		
5	QPSK	12	13	21.69	21.84	21.85		
5	QPSK	25	0	21.80	21.91	21.73		
5	16QAM	1	0	21.89	21.87	21.77	23.5	1
5	16QAM	1	12	21.71	21.92	21.70		
5	16QAM	1	24	21.84	21.92	21.89		
5	16QAM	12	0	20.85	20.95	20.83	22.5	2
5	16QAM	12	7	20.65	20.80	20.85		
5	16QAM	12	13	20.69	20.90	20.81		
5	16QAM	25	0	20.82	20.84	20.82		
5	64QAM	1	0	20.91	20.87	20.77	22.5	2
5	64QAM	1	12	20.73	20.82	20.66		
5	64QAM	1	24	20.79	20.71	20.82		
5	64QAM	12	0	19.68	19.91	19.82	21.5	3
5	64QAM	12	7	19.73	19.74	19.90		
5	64QAM	12	13	19.77	19.94	19.81		
5	64QAM	25	0	19.98	19.92	19.84		
5	256QAM	1	0	17.78	17.86	17.82	19.5	5
5	256QAM	1	12	17.75	17.83	17.87		
5	256QAM	1	24	17.69	17.80	17.67		
5	256QAM	12	0	17.75	17.83	17.78	19.5	5
5	256QAM	12	7	17.64	17.87	17.73		
5	256QAM	12	13	17.69	17.72	17.76		
5	256QAM	25	0	17.77	17.87	17.69		

Band 48 Ant7 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.79	22.94	22.88	22.92	24.5	0
20	QPSK	1	49	22.56	22.80	22.62	22.91		
20	QPSK	1	99	22.66	22.89	22.64	22.74		
20	QPSK	50	0	21.58	21.87	21.58	21.81	23.5	1
20	QPSK	50	24	21.71	21.71	21.63	21.72		
20	QPSK	50	50	21.50	21.66	21.55	21.66		
20	QPSK	100	0	21.63	21.85	21.56	21.82		
20	16QAM	1	0	21.58	21.89	21.68	21.83	23.5	1
20	16QAM	1	49	21.69	21.95	21.62	21.80		
20	16QAM	1	99	21.64	21.77	21.59	22.01		
20	16QAM	50	0	20.67	21.02	20.70	20.99	22.5	2
20	16QAM	50	24	20.64	20.90	20.64	20.89		
20	16QAM	50	50	20.63	20.98	20.59	20.99		
20	16QAM	100	0	20.73	20.96	20.61	20.74		
20	64QAM	1	0	20.73	20.82	20.71	20.79	22.5	2
20	64QAM	1	49	20.61	20.97	20.70	20.83		
20	64QAM	1	99	20.57	20.56	20.50	20.76		
20	64QAM	50	0	19.70	19.95	19.72	20.02	21.5	3
20	64QAM	50	24	19.64	19.64	19.51	19.67		
20	64QAM	50	50	19.64	19.88	19.68	19.85		
20	64QAM	100	0	19.66	20.01	19.80	19.97		
20	256QAM	1	0	17.50	17.74	17.54	17.78	19.5	5
20	256QAM	1	49	17.57	17.78	17.78	17.72		
20	256QAM	1	99	17.53	17.72	17.50	17.77		
20	256QAM	50	0	17.76	17.88	17.66	17.87	19.5	5
20	256QAM	50	24	17.78	17.87	17.53	17.85		
20	256QAM	50	50	17.51	17.87	17.56	17.74		
20	256QAM	100	0	17.50	17.83	17.70	17.87		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.88	22.90	22.85	22.90	24.5	0
15	QPSK	1	37	22.59	22.58	22.83	22.87		
15	QPSK	1	74	22.84	22.75	22.79	22.56		
15	QPSK	36	0	21.60	21.84	21.64	21.73	23.5	1
15	QPSK	36	20	21.92	21.61	21.68	21.54		
15	QPSK	36	39	21.59	21.60	21.71	21.58		
15	QPSK	75	0	21.60	21.62	21.52	21.67		
15	16QAM	1	0	21.65	21.68	21.89	21.62	23.5	1
15	16QAM	1	37	21.76	21.99	21.61	21.81		
15	16QAM	1	74	21.64	21.76	21.79	21.85		
15	16QAM	36	0	20.90	20.92	20.65	20.88	22.5	2
15	16QAM	36	20	20.82	20.75	20.89	20.72		
15	16QAM	36	39	20.68	20.83	20.79	20.82		
15	16QAM	75	0	20.78	20.93	20.83	20.70		
15	64QAM	1	0	20.97	20.74	20.71	20.59	22.5	2
15	64QAM	1	37	20.56	21.01	20.83	20.72		
15	64QAM	1	74	20.82	20.60	20.69	20.80		
15	64QAM	36	0	19.80	19.87	19.83	19.87	21.5	3
15	64QAM	36	20	19.65	19.52	19.70	19.60		
15	64QAM	36	39	19.89	19.91	19.84	19.71		
15	64QAM	75	0	19.71	19.99	19.97	19.95		
15	256QAM	1	0	17.71	17.60	17.77	17.65	19.5	5
15	256QAM	1	37	17.63	17.57	17.98	17.61		
15	256QAM	1	74	17.58	17.55	17.50	17.67		
15	256QAM	36	0	17.96	17.69	17.67	17.74	19.5	5
15	256QAM	36	20	17.88	17.65	17.67	17.75		
15	256QAM	36	39	17.59	17.67	17.57	17.65		
15	256QAM	75	0	17.66	17.78	17.95	17.67		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.80	22.93	22.88	22.91	24.5	0
10	QPSK	1	25	22.52	22.62	22.81	22.77		
10	QPSK	1	49	22.77	22.89	22.88	22.76		
10	QPSK	25	0	21.60	21.75	21.71	21.81	23.5	1
10	QPSK	25	12	21.74	21.73	21.59	21.61		
10	QPSK	25	25	21.52	21.60	21.55	21.59		
10	QPSK	50	0	21.62	21.90	21.59	21.85		
10	16QAM	1	0	21.81	21.85	21.68	21.81	23.5	1
10	16QAM	1	25	21.64	21.83	21.78	21.69		
10	16QAM	1	49	21.71	21.57	21.57	21.96		
10	16QAM	25	0	20.92	20.90	20.79	21.03	22.5	2
10	16QAM	25	12	20.82	20.86	20.82	20.92		
10	16QAM	25	25	20.61	20.89	20.63	20.92		
10	16QAM	50	0	20.92	20.83	20.79	20.57		
10	64QAM	1	0	20.78	20.74	20.95	20.82	22.5	2
10	64QAM	1	25	20.64	20.72	20.86	20.61		
10	64QAM	1	49	20.61	20.57	20.62	20.64		
10	64QAM	25	0	19.88	19.81	19.92	19.89	21.5	3
10	64QAM	25	12	19.68	19.50	19.54	19.68		
10	64QAM	25	25	19.62	19.79	19.67	19.74		
10	64QAM	50	0	19.89	19.95	19.94	19.86		
10	256QAM	1	0	17.50	17.77	17.52	17.70	19.5	5
10	256QAM	1	25	17.69	17.80	18.02	17.57		
10	256QAM	1	49	17.68	17.50	17.60	17.69		
10	256QAM	25	0	17.97	17.88	17.71	17.78	19.5	5
10	256QAM	25	12	17.90	17.73	17.61	17.69		
10	256QAM	25	25	17.71	17.70	17.69	17.59		
10	256QAM	50	0	17.64	17.60	17.87	17.67		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.81	22.87	22.78	22.79	24.5	0
5	QPSK	1	12	22.60	22.68	22.62	22.90		
5	QPSK	1	24	22.77	22.86	22.90	22.66		
5	QPSK	12	0	21.59	21.70	21.66	21.64	23.5	1
5	QPSK	12	7	21.70	21.86	21.73	21.58		
5	QPSK	12	13	21.63	21.80	21.51	21.53		
5	QPSK	25	0	21.65	21.61	21.65	21.86		
5	16QAM	1	0	21.67	21.74	21.80	21.86	23.5	1
5	16QAM	1	12	21.68	21.78	21.98	21.56		
5	16QAM	1	24	21.83	21.56	21.64	21.98		
5	16QAM	12	0	20.70	20.86	20.88	20.88	22.5	2
5	16QAM	12	7	20.78	20.62	20.70	20.79		
5	16QAM	12	13	20.59	20.65	20.93	21.00		
5	16QAM	25	0	20.94	20.85	20.86	20.65		
5	64QAM	1	0	20.70	20.91	20.63	20.79	22.5	2
5	64QAM	1	12	20.83	20.71	20.86	20.79		
5	64QAM	1	24	20.80	20.63	20.56	20.63		
5	64QAM	12	0	19.87	19.69	19.74	19.81	21.5	3
5	64QAM	12	7	19.76	19.71	19.56	19.68		
5	64QAM	12	13	19.62	19.81	19.86	19.89		
5	64QAM	25	0	19.72	20.02	19.87	19.83		
5	256QAM	1	0	17.56	17.52	17.73	17.72	19.5	5
5	256QAM	1	12	17.69	17.74	17.77	17.55		
5	256QAM	1	24	17.73	17.65	17.51	17.69		
5	256QAM	12	0	17.88	17.85	17.64	17.72	19.5	5
5	256QAM	12	7	17.79	17.60	17.72	17.76		
5	256QAM	12	13	17.70	17.60	17.83	17.61		
5	256QAM	25	0	17.55	17.92	17.77	17.74		

Band 42 Ant8 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.68	20.77	20.67	21.5	0
20	QPSK	1	49	20.59	20.67	20.50		
20	QPSK	1	99	20.59	20.59	20.51		
20	QPSK	50	0	19.58	19.70	19.56	20.5	1
20	QPSK	50	24	19.57	19.69	19.64		
20	QPSK	50	50	19.57	19.57	19.60		
20	QPSK	100	0	19.59	19.69	19.57		
20	16QAM	1	0	19.60	19.71	19.57	20.5	1
20	16QAM	1	49	19.61	19.69	19.56		
20	16QAM	1	99	19.59	19.70	19.58		
20	16QAM	50	0	18.68	18.76	18.61	19.5	2
20	16QAM	50	24	18.51	18.56	18.61		
20	16QAM	50	50	18.51	18.72	18.61		
20	16QAM	100	0	18.60	18.62	18.65		
20	64QAM	1	0	18.66	18.75	18.60	19.5	2
20	64QAM	1	49	18.49	18.71	18.43		
20	64QAM	1	99	18.49	18.51	18.60		
20	64QAM	50	0	17.47	17.67	17.62	18.5	3
20	64QAM	50	24	17.59	17.53	17.68		
20	64QAM	50	50	17.58	17.63	17.61		
20	64QAM	100	0	17.73	17.77	17.67		
20	256QAM	1	0	15.53	15.60	15.57	16.5	5
20	256QAM	1	49	15.56	15.71	15.58		
20	256QAM	1	99	15.39	15.65	15.53		
20	256QAM	50	0	15.57	15.64	15.57	16.5	5
20	256QAM	50	24	15.45	15.67	15.64		
20	256QAM	50	50	15.54	15.59	15.58		
20	256QAM	100	0	15.53	15.68	15.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	20.61	20.70	20.53	21.5	0
15	QPSK	1	37	20.50	20.55	20.46		
15	QPSK	1	74	20.51	20.51	20.43		
15	QPSK	36	0	19.44	19.57	19.52	20.5	1
15	QPSK	36	20	19.51	19.57	19.51		
15	QPSK	36	39	19.48	19.51	19.47		
15	QPSK	75	0	19.49	19.57	19.51		
15	16QAM	1	0	19.47	19.65	19.44	20.5	1
15	16QAM	1	37	19.50	19.59	19.50		
15	16QAM	1	74	19.53	19.58	19.47		
15	16QAM	36	0	18.54	18.66	18.48	19.5	2
15	16QAM	36	20	18.41	18.52	18.56		
15	16QAM	36	39	18.41	18.60	18.54		
15	16QAM	75	0	18.48	18.55	18.57		
15	64QAM	1	0	18.56	18.65	18.52	19.5	2
15	64QAM	1	37	18.45	18.58	18.28		
15	64QAM	1	74	18.45	18.41	18.51		
15	64QAM	36	0	17.39	17.56	17.47	18.5	3
15	64QAM	36	20	17.50	17.41	17.54		
15	64QAM	36	39	17.45	17.58	17.51		
15	64QAM	75	0	17.62	17.68	17.56		
15	256QAM	1	0	15.38	15.54	15.49	16.5	5
15	256QAM	1	37	15.47	15.67	15.49		
15	256QAM	1	74	15.27	15.61	15.39		
15	256QAM	36	0	15.50	15.54	15.46	16.5	5
15	256QAM	36	20	15.39	15.57	15.58		
15	256QAM	36	39	15.43	15.45	15.46		
15	256QAM	75	0	15.39	15.55	15.41		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	20.53	20.64	20.58	21.5	0
10	QPSK	1	25	20.53	20.53	20.47		
10	QPSK	1	49	20.53	20.45	20.41		
10	QPSK	25	0	19.49	19.55	19.46	20.5	1
10	QPSK	25	12	19.50	19.55	19.59		
10	QPSK	25	25	19.50	19.45	19.52		
10	QPSK	50	0	19.50	19.64	19.44		
10	16QAM	1	0	19.55	19.57	19.45	20.5	1
10	16QAM	1	25	19.50	19.58	19.46		
10	16QAM	1	49	19.45	19.66	19.45		
10	16QAM	25	0	18.63	18.70	18.52	19.5	2
10	16QAM	25	12	18.41	18.42	18.49		
10	16QAM	25	25	18.37	18.62	18.49		
10	16QAM	50	0	18.54	18.58	18.52		
10	64QAM	1	0	18.63	18.70	18.55	19.5	2
10	64QAM	1	25	18.37	18.60	18.38		
10	64QAM	1	49	18.37	18.48	18.49		
10	64QAM	25	0	17.34	17.53	17.57	18.5	3
10	64QAM	25	12	17.53	17.45	17.55		
10	64QAM	25	25	17.46	17.51	17.51		
10	64QAM	50	0	17.66	17.67	17.52		
10	256QAM	1	0	15.41	15.48	15.46	16.5	5
10	256QAM	1	25	15.45	15.67	15.45		
10	256QAM	1	49	15.34	15.55	15.40		
10	256QAM	25	0	15.46	15.53	15.45	16.5	5
10	256QAM	25	12	15.34	15.59	15.57		
10	256QAM	25	25	15.43	15.52	15.49		
10	256QAM	50	0	15.47	15.65	15.44		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.55	20.73	20.61	21.5	0
5	QPSK	1	12	20.48	20.60	20.44		
5	QPSK	1	24	20.46	20.51	20.40		
5	QPSK	12	0	19.54	19.56	19.48	20.5	1
5	QPSK	12	7	19.51	19.60	19.53		
5	QPSK	12	13	19.52	19.43	19.53		
5	QPSK	25	0	19.50	19.64	19.46		
5	16QAM	1	0	19.55	19.64	19.44	20.5	1
5	16QAM	1	12	19.48	19.65	19.46		
5	16QAM	1	24	19.46	19.61	19.54		
5	16QAM	12	0	18.63	18.65	18.53	19.5	2
5	16QAM	12	7	18.48	18.47	18.51		
5	16QAM	12	13	18.40	18.59	18.57		
5	16QAM	25	0	18.53	18.55	18.50		
5	64QAM	1	0	18.53	18.61	18.51	19.5	2
5	64QAM	1	12	18.42	18.66	18.37		
5	64QAM	1	24	18.36	18.47	18.56		
5	64QAM	12	0	17.33	17.55	17.48	18.5	3
5	64QAM	12	7	17.56	17.49	17.64		
5	64QAM	12	13	17.43	17.52	17.50		
5	64QAM	25	0	17.67	17.67	17.59		
5	256QAM	1	0	15.39	15.46	15.50	16.5	5
5	256QAM	1	12	15.49	15.66	15.47		
5	256QAM	1	24	15.28	15.59	15.45		
5	256QAM	12	0	15.42	15.57	15.52	16.5	5
5	256QAM	12	7	15.30	15.64	15.52		
5	256QAM	12	13	15.49	15.51	15.52		
5	256QAM	25	0	15.46	15.61	15.33		

Band 48 Ant8 DSI4 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.25	20.52	20.22	20.47	21.5	0
20	QPSK	1	49	20.19	20.43	20.15	20.36		
20	QPSK	1	99	19.98	20.26	20.00	20.20		
20	QPSK	50	0	19.14	19.45	19.15	19.30	20.5	1
20	QPSK	50	24	19.11	19.43	19.20	19.33		
20	QPSK	50	50	18.94	19.24	18.90	19.26		
20	QPSK	100	0	19.09	19.36	19.08	19.25		
20	16QAM	1	0	19.16	19.43	19.12	19.32	20.5	1
20	16QAM	1	49	19.08	19.34	19.07	19.29		
20	16QAM	1	99	19.14	19.38	19.12	19.23		
20	16QAM	50	0	18.25	18.50	18.20	18.34	19.5	2
20	16QAM	50	24	17.96	18.27	17.94	18.30		
20	16QAM	50	50	18.16	18.49	18.23	18.31		
20	16QAM	100	0	18.12	18.35	18.02	18.37		
20	64QAM	1	0	18.21	18.50	18.22	18.30	19.5	2
20	64QAM	1	49	18.13	18.38	18.12	18.13		
20	64QAM	1	99	17.93	18.17	17.88	18.33		
20	64QAM	50	0	17.14	17.39	17.14	17.38	18.5	3
20	64QAM	50	24	16.92	17.24	16.91	17.36		
20	64QAM	50	50	17.09	17.40	17.13	17.36		
20	64QAM	100	0	17.24	17.50	17.16	17.38		
20	256QAM	1	0	15.07	15.36	15.10	15.22	16.5	5
20	256QAM	1	49	15.08	15.37	15.11	15.33		
20	256QAM	1	99	15.08	15.38	15.13	15.25		
20	256QAM	50	0	15.04	15.36	15.12	15.26	16.5	5
20	256QAM	50	24	15.12	15.39	15.07	15.32		
20	256QAM	50	50	15.09	15.25	15.02	15.24		
20	256QAM	100	0	15.11	15.38	15.05	15.20		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.18	20.41	20.10	20.33	21.5	0
15	QPSK	1	37	20.04	20.37	20.06	20.25		
15	QPSK	1	74	19.92	20.16	19.92	20.06		
15	QPSK	36	0	19.11	19.34	19.06	19.22	20.5	1
15	QPSK	36	20	19.01	19.35	19.12	19.24		
15	QPSK	36	39	18.85	19.10	18.77	19.20		
15	QPSK	75	0	19.04	19.31	18.95	19.20		
15	16QAM	1	0	19.06	19.34	18.97	19.28	20.5	1
15	16QAM	1	37	18.95	19.28	18.94	19.21		
15	16QAM	1	74	19.01	19.29	19.04	19.13		
15	16QAM	36	0	18.10	18.45	18.16	18.26	19.5	2
15	16QAM	36	20	17.81	18.13	17.84	18.20		
15	16QAM	36	39	18.10	18.45	18.11	18.24		
15	16QAM	75	0	18.03	18.30	17.95	18.23		
15	64QAM	1	0	18.15	18.39	18.15	18.26	19.5	2
15	64QAM	1	37	18.02	18.31	18.07	18.09		
15	64QAM	1	74	17.79	18.10	17.76	18.23		
15	64QAM	36	0	17.07	17.36	17.03	17.32	18.5	3
15	64QAM	36	20	16.79	17.18	16.77	17.28		
15	64QAM	36	39	17.04	17.30	17.08	17.26		
15	64QAM	75	0	17.11	17.40	17.04	17.34		
15	256QAM	1	0	15.05	15.26	15.15	15.14	16.5	5
15	256QAM	1	37	15.14	15.34	15.09	15.20		
15	256QAM	1	74	15.13	15.27	15.14	15.11		
15	256QAM	36	0	15.01	15.33	15.09	15.13	16.5	5
15	256QAM	36	20	15.08	15.25	15.06	15.18		
15	256QAM	36	39	15.15	15.21	15.08	15.20		
15	256QAM	75	0	15.06	15.35	15.06	15.08		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.19	20.42	20.18	20.43	21.5	0
10	QPSK	1	25	20.08	20.30	20.10	20.30		
10	QPSK	1	49	19.92	20.13	19.86	20.13		
10	QPSK	25	0	19.09	19.35	19.02	19.26	20.5	1
10	QPSK	25	12	18.97	19.37	19.09	19.27		
10	QPSK	25	25	18.90	19.21	18.83	19.15		
10	QPSK	50	0	19.00	19.32	19.04	19.12		
10	16QAM	1	0	19.05	19.32	18.98	19.18	20.5	1
10	16QAM	1	25	19.00	19.27	18.94	19.21		
10	16QAM	1	49	19.05	19.33	18.98	19.16		
10	16QAM	25	0	18.22	18.44	18.17	18.24	19.5	2
10	16QAM	25	12	17.84	18.22	17.87	18.24		
10	16QAM	25	25	18.09	18.39	18.08	18.27		
10	16QAM	50	0	18.02	18.21	17.93	18.32		
10	64QAM	1	0	18.10	18.44	18.13	18.26	19.5	2
10	64QAM	1	25	18.02	18.29	18.00	18.02		
10	64QAM	1	49	17.84	18.12	17.75	18.29		
10	64QAM	25	0	17.05	17.28	17.00	17.34	18.5	3
10	64QAM	25	12	16.85	17.20	16.84	17.25		
10	64QAM	25	25	17.06	17.31	17.07	17.28		
10	64QAM	50	0	17.15	17.40	17.03	17.33		
10	256QAM	1	0	15.08	15.22	15.09	15.12	16.5	5
10	256QAM	1	25	15.07	15.26	15.17	15.19		
10	256QAM	1	49	15.04	15.25	15.18	15.11		
10	256QAM	25	0	15.00	15.31	15.17	15.11	16.5	5
10	256QAM	25	12	15.12	15.34	15.09	15.23		
10	256QAM	25	25	15.05	15.17	15.05	15.17		
10	256QAM	50	0	15.18	15.33	15.08	15.10		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.13	20.42	20.08	20.34	21.5	0
5	QPSK	1	12	20.12	20.32	20.11	20.32		
5	QPSK	1	24	19.84	20.18	19.92	20.05		
5	QPSK	12	0	19.09	19.37	19.04	19.19	20.5	1
5	QPSK	12	7	19.01	19.41	19.09	19.23		
5	QPSK	12	13	18.82	19.16	18.78	19.17		
5	QPSK	25	0	19.06	19.26	19.04	19.11		
5	16QAM	1	0	19.02	19.29	19.04	19.18	20.5	1
5	16QAM	1	12	18.94	19.22	18.99	19.20		
5	16QAM	1	24	19.07	19.29	19.09	19.17		
5	16QAM	12	0	18.15	18.44	18.15	18.25	19.5	2
5	16QAM	12	7	17.89	18.15	17.83	18.21		
5	16QAM	12	13	18.02	18.41	18.14	18.23		
5	16QAM	25	0	18.08	18.26	17.90	18.32		
5	64QAM	1	0	18.15	18.47	18.16	18.26	19.5	2
5	64QAM	1	12	18.06	18.26	18.06	18.09		
5	64QAM	1	24	17.82	18.04	17.83	18.23		
5	64QAM	12	0	17.00	17.25	17.02	17.28	18.5	3
5	64QAM	12	7	16.81	17.16	16.77	17.29		
5	64QAM	12	13	16.99	17.31	17.09	17.28		
5	64QAM	25	0	17.11	17.40	17.05	17.25		
5	256QAM	1	0	15.06	15.27	15.05	15.12	16.5	5
5	256QAM	1	12	15.06	15.25	15.11	15.24		
5	256QAM	1	24	15.09	15.28	15.13	15.13		
5	256QAM	12	0	15.01	15.24	15.07	15.19	16.5	5
5	256QAM	12	7	15.08	15.29	15.07	15.29		
5	256QAM	12	13	15.10	15.13	15.02	15.12		
5	256QAM	25	0	15.11	15.30	15.07	15.10		

Reduced Power SA Mode for DSI5

GSM850 Ant0 DSI5

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.08	32.57	34.00	23.57	23.08	23.57	25.00
GPRS 1 Tx slot	32.54	32.11	32.45	34.00	23.54	23.11	23.45	25.00
GPRS 2 Tx slots	29.20	29.14	29.18	31.00	23.20	23.14	23.18	25.00
GPRS 3 Tx slots	27.86	27.48	27.46	29.20	23.60	23.22	23.20	24.94
GPRS 4 Tx slots	26.17	26.21	26.18	28.00	23.17	23.21	23.18	25.00
EDGE 1 Tx slot	26.13	26.16	26.11	27.50	17.13	17.16	17.11	18.50
EDGE 2 Tx slots	23.29	23.34	23.46	24.50	17.29	17.34	17.46	18.50
EDGE 3 Tx slots	21.63	21.44	21.61	22.70	17.37	17.18	17.35	18.44
EDGE 4 Tx slots	20.21	20.06	20.44	21.50	17.21	17.06	17.44	18.50

WCDMA V Ant0 DSI5

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.00	23.99	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.00	24.02	23.97	25.00
3GPP Rel 6	HSDPA Subtest-1	22.94	23.03	23.02	24.00
3GPP Rel 6	HSDPA Subtest-2	23.01	23.05	22.93	24.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.55	22.53	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.54	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.02	22.91	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	23.07	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.40	22.48	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.55	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.01	23.00	24.00
3GPP Rel 6	HSUPA Subtest-2	20.96	21.03	21.06	22.00
3GPP Rel 6	HSUPA Subtest-3	21.94	21.97	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	20.99	21.00	21.04	22.00
3GPP Rel 6	HSUPA Subtest-5	23.04	23.01	22.99	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.42	20.59	20.58	21.50

Band 5 Ant0 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.17	24.22	24.18	25.5	0
10	QPSK	1	25	24.06	24.13	24.05		
10	QPSK	1	49	24.11	24.20	24.14		
10	QPSK	25	0	23.11	23.19	23.14	24.5	1
10	QPSK	25	12	23.11	23.17	23.10		
10	QPSK	25	25	23.09	23.12	23.15		
10	QPSK	50	0	23.00	23.07	23.06		
10	16QAM	1	0	23.19	23.24	23.20	24.5	1
10	16QAM	1	25	23.34	23.34	23.33		
10	16QAM	1	49	23.10	23.17	23.10		
10	16QAM	25	0	22.13	22.21	22.21	23.5	2
10	16QAM	25	12	22.08	22.10	22.01		
10	16QAM	25	25	22.11	22.15	22.13		
10	16QAM	50	0	22.05	22.13	22.10		
10	64QAM	1	0	22.20	22.22	22.20	23.5	2
10	64QAM	1	25	22.18	22.24	22.26		
10	64QAM	1	49	22.08	22.15	22.12		
10	64QAM	25	0	21.13	21.16	21.18	22.5	3
10	64QAM	25	12	21.07	21.09	21.00		
10	64QAM	25	25	21.22	21.23	21.21		
10	64QAM	50	0	21.05	21.08	21.04		
10	256QAM	1	0	19.09	19.14	19.17	20.5	5
10	256QAM	1	25	19.17	19.21	19.16		
10	256QAM	1	49	19.04	19.08	19.08		
10	256QAM	25	0	19.14	19.21	19.16	20.5	5
10	256QAM	25	12	19.18	19.16	19.17		
10	256QAM	25	25	19.07	19.06	19.03		
10	256QAM	50	0	19.03	19.11	19.04		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.11	24.19	24.10	25.5	0
5	QPSK	1	12	23.98	24.11	24.00		
5	QPSK	1	24	24.02	24.16	24.14		
5	QPSK	12	0	23.08	23.22	23.09	24.5	1
5	QPSK	12	7	23.14	23.08	23.11		
5	QPSK	12	13	23.07	23.14	23.12		
5	QPSK	25	0	22.92	23.06	23.02		
5	16QAM	1	0	23.11	23.18	23.19	24.5	1
5	16QAM	1	12	23.25	23.36	23.35		
5	16QAM	1	24	23.10	23.14	23.12		
5	16QAM	12	0	22.15	22.22	22.20	23.5	2
5	16QAM	12	7	22.00	22.10	21.92		
5	16QAM	12	13	22.05	22.14	22.13		
5	16QAM	25	0	21.99	22.09	22.03		
5	64QAM	1	0	22.14	22.25	22.12	23.5	2
5	64QAM	1	12	22.18	22.25	22.23		
5	64QAM	1	24	22.10	22.17	22.08		
5	64QAM	12	0	21.05	21.14	21.16	22.5	3
5	64QAM	12	7	21.09	21.05	20.99		
5	64QAM	12	13	21.17	21.25	21.20		
5	64QAM	25	0	20.98	21.09	21.04		
5	256QAM	1	0	19.01	19.13	19.14	20.5	5
5	256QAM	1	12	19.13	19.15	19.16		
5	256QAM	1	24	18.98	19.00	19.01		
5	256QAM	12	0	19.06	19.22	19.13	20.5	5
5	256QAM	12	7	19.13	19.15	19.19		
5	256QAM	12	13	19.00	19.04	19.06		
5	256QAM	25	0	19.00	19.10	19.01		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.16	24.12	25.5	0
3	QPSK	1	8	23.98	24.14	24.00		
3	QPSK	1	14	24.14	24.18	24.09		
3	QPSK	8	0	23.13	23.14	23.05	24.5	1
3	QPSK	8	4	23.04	23.14	23.04		
3	QPSK	8	7	23.11	23.12	23.07		
3	QPSK	15	0	22.98	23.02	23.00		
3	16QAM	1	0	23.20	23.25	23.18	24.5	1
3	16QAM	1	8	23.34	23.34	23.34		
3	16QAM	1	14	23.03	23.17	23.12		
3	16QAM	8	0	22.11	22.15	22.14	23.5	2
3	16QAM	8	4	22.05	22.07	21.99		
3	16QAM	8	7	22.04	22.09	22.08		
3	16QAM	15	0	22.00	22.04	22.02		
3	64QAM	1	0	22.15	22.16	22.16	23.5	2
3	64QAM	1	8	22.12	22.23	22.25		
3	64QAM	1	14	21.99	22.16	22.12		
3	64QAM	8	0	21.14	21.13	21.20	22.5	3
3	64QAM	8	4	21.04	21.12	20.98		
3	64QAM	8	7	21.24	21.15	21.24		
3	64QAM	15	0	21.07	21.03	20.96		
3	256QAM	1	0	19.12	19.10	19.19	20.5	5
3	256QAM	1	8	19.15	19.19	19.16		
3	256QAM	1	14	19.00	19.04	19.08		
3	256QAM	8	0	19.16	19.15	19.17	20.5	5
3	256QAM	8	4	19.14	19.13	19.13		
3	256QAM	8	7	19.01	19.03	19.02		
3	256QAM	15	0	19.05	19.14	19.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.15	24.16	24.21	25.5	0
1.4	QPSK	1	3	24.06	24.13	24.02		
1.4	QPSK	1	5	24.03	24.17	24.10		
1.4	QPSK	3	0	24.10	24.13	24.15		
1.4	QPSK	3	1	24.07	24.05	24.07		
1.4	QPSK	3	3	24.04	24.20	24.11		
1.4	QPSK	6	0	23.03	23.16	23.08	24.5	1
1.4	16QAM	1	0	23.11	23.15	23.03	24.5	1
1.4	16QAM	1	3	23.09	23.09	23.10		
1.4	16QAM	1	5	22.97	23.02	23.04		
1.4	16QAM	3	0	23.12	23.24	23.20		
1.4	16QAM	3	1	23.28	23.27	23.24		
1.4	16QAM	3	3	23.04	23.10	23.12		
1.4	16QAM	6	0	22.15	22.19	22.23	23.5	2
1.4	64QAM	1	0	22.05	22.12	21.95	23.5	2
1.4	64QAM	1	3	22.12	22.09	22.12		
1.4	64QAM	1	5	22.00	22.07	22.07		
1.4	64QAM	3	0	22.18	22.24	22.11		
1.4	64QAM	3	1	22.19	22.16	22.22		
1.4	64QAM	3	3	22.01	22.11	22.14		
1.4	64QAM	6	0	21.09	21.11	21.17	22.5	3
1.4	256QAM	1	0	19.03	19.16	19.17	20.5	5
1.4	256QAM	1	3	19.18	19.20	19.09		
1.4	256QAM	1	5	18.97	19.03	19.03		
1.4	256QAM	3	0	19.11	19.18	19.19		
1.4	256QAM	3	1	19.12	19.16	19.14		
1.4	256QAM	3	3	19.09	19.04	18.95		
1.4	256QAM	6	0	19.01	19.11	19.01	20.5	5

Band 26 Ant0 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.18	24.23	24.11	25.5	0
15	QPSK	1	37	24.14	24.21	24.04		
15	QPSK	1	74	24.13	24.18	24.10		
15	QPSK	36	0	23.18	23.21	23.15	24.5	1
15	QPSK	36	20	23.14	23.20	23.03		
15	QPSK	36	39	23.15	23.12	23.13		
15	QPSK	75	0	23.14	23.18	23.13		
15	16QAM	1	0	23.11	23.13	23.03	24.5	1
15	16QAM	1	37	23.10	23.11	22.93		
15	16QAM	1	74	23.10	23.09	23.05		
15	16QAM	36	0	22.18	22.25	22.20	23.5	2
15	16QAM	36	20	22.20	22.19	22.04		
15	16QAM	36	39	22.10	22.10	22.16		
15	16QAM	75	0	22.13	22.19	22.19		
15	64QAM	1	0	22.05	22.18	22.09	23.5	2
15	64QAM	1	37	22.15	22.10	21.90		
15	64QAM	1	74	22.07	22.03	22.10		
15	64QAM	36	0	21.16	21.23	21.15	22.5	3
15	64QAM	36	20	21.08	21.21	21.02		
15	64QAM	36	39	21.14	21.07	21.15		
15	64QAM	75	0	21.14	21.23	21.16		
15	256QAM	1	0	19.17	19.26	19.13	20.5	5
15	256QAM	1	37	19.15	19.17	19.08		
15	256QAM	1	74	19.14	19.14	19.12		
15	256QAM	36	0	19.13	19.14	19.13	20.5	5
15	256QAM	36	20	19.09	19.09	19.05		
15	256QAM	36	39	19.09	19.17	18.90		
15	256QAM	75	0	19.15	19.08	19.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.09	24.21	24.02	25.5	0
10	QPSK	1	25	24.09	24.15	24.02		
10	QPSK	1	49	24.12	24.11	24.12		
10	QPSK	25	0	23.12	23.15	23.10	24.5	1
10	QPSK	25	12	23.10	23.13	22.94		
10	QPSK	25	25	23.12	23.04	23.15		
10	QPSK	50	0	23.08	23.16	23.05		
10	16QAM	1	0	23.03	23.08	22.95	24.5	1
10	16QAM	1	25	23.02	23.12	22.92		
10	16QAM	1	49	23.11	23.01	23.06		
10	16QAM	25	0	22.20	22.26	22.17	23.5	2
10	16QAM	25	12	22.16	22.15	22.07		
10	16QAM	25	25	22.07	22.09	22.11		
10	16QAM	50	0	22.07	22.19	22.13		
10	64QAM	1	0	21.99	22.17	22.06	23.5	2
10	64QAM	1	25	22.14	22.12	21.93		
10	64QAM	1	49	22.01	21.99	22.04		
10	64QAM	25	0	21.13	21.24	21.08	22.5	3
10	64QAM	25	12	21.05	21.17	21.04		
10	64QAM	25	25	21.14	21.10	21.11		
10	64QAM	50	0	21.15	21.18	21.17		
10	256QAM	1	0	19.09	19.27	19.07	20.5	5
10	256QAM	1	25	19.17	19.13	19.11		
10	256QAM	1	49	19.14	19.12	19.08		
10	256QAM	25	0	19.05	19.08	19.06	20.5	5
10	256QAM	25	12	19.12	19.06	19.01		
10	256QAM	25	25	19.10	19.14	18.83		
10	256QAM	50	0	19.13	19.10	19.08		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.15	24.22	24.04	25.5	0
5	QPSK	1	12	24.14	24.22	23.96		
5	QPSK	1	24	24.06	24.17	24.03		
5	QPSK	12	0	23.14	23.13	23.13	24.5	1
5	QPSK	12	7	23.13	23.21	23.04		
5	QPSK	12	13	23.10	23.12	23.10		
5	QPSK	25	0	23.14	23.10	23.09		
5	16QAM	1	0	23.12	23.15	22.98	24.5	1
5	16QAM	1	12	23.08	23.02	22.86		
5	16QAM	1	24	23.05	23.00	23.00		
5	16QAM	12	0	22.16	22.22	22.21	23.5	2
5	16QAM	12	7	22.14	22.20	22.04		
5	16QAM	12	13	22.02	22.11	22.08		
5	16QAM	25	0	22.13	22.13	22.16		
5	64QAM	1	0	22.03	22.21	22.07	23.5	2
5	64QAM	1	12	22.18	22.09	21.84		
5	64QAM	1	24	22.09	21.97	22.05		
5	64QAM	12	0	21.07	21.25	21.07	22.5	3
5	64QAM	12	7	21.02	21.22	20.95		
5	64QAM	12	13	21.07	21.02	21.13		
5	64QAM	25	0	21.07	21.22	21.18		
5	256QAM	1	0	19.18	19.26	19.09	20.5	5
5	256QAM	1	12	19.17	19.17	19.01		
5	256QAM	1	24	19.12	19.09	19.05		
5	256QAM	12	0	19.05	19.09	19.11	20.5	5
5	256QAM	12	7	19.10	19.04	19.06		
5	256QAM	12	13	19.10	19.09	18.86		
5	256QAM	25	0	19.07	18.99	18.97		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.14	24.21	24.06	25.5	0
3	QPSK	1	8	24.16	24.15	24.01		
3	QPSK	1	14	24.15	24.09	24.03		
3	QPSK	8	0	23.15	23.15	23.11	24.5	1
3	QPSK	8	4	23.15	23.14	23.02		
3	QPSK	8	7	23.18	23.10	23.05		
3	QPSK	15	0	23.11	23.14	23.10		
3	16QAM	1	0	23.04	23.04	22.98	24.5	1
3	16QAM	1	8	23.12	23.10	22.93		
3	16QAM	1	14	23.12	23.11	23.06		
3	16QAM	8	0	22.14	22.25	22.15	23.5	2
3	16QAM	8	4	22.18	22.20	21.99		
3	16QAM	8	7	22.06	22.02	22.17		
3	16QAM	15	0	22.09	22.16	22.11		
3	64QAM	1	0	22.05	22.19	22.04	23.5	2
3	64QAM	1	8	22.08	22.07	21.83		
3	64QAM	1	14	22.06	22.05	22.02		
3	64QAM	8	0	21.10	21.22	21.07	22.5	3
3	64QAM	8	4	21.06	21.23	21.02		
3	64QAM	8	7	21.06	21.03	21.09		
3	64QAM	15	0	21.08	21.19	21.13		
3	256QAM	1	0	19.19	19.20	19.08	20.5	5
3	256QAM	1	8	19.15	19.19	19.08		
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.09	19.10	19.06	20.5	5
3	256QAM	8	4	19.08	19.09	19.06		
3	256QAM	8	7	19.07	19.12	18.88		
3	256QAM	15	0	19.08	19.09	19.08		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.19	24.22	24.10	25.5	0
1.4	QPSK	1	3	24.15	24.19	23.98		
1.4	QPSK	1	5	24.08	24.10	24.07		
1.4	QPSK	3	0	24.13	24.21	24.09		
1.4	QPSK	3	1	24.06	24.15	24.07		
1.4	QPSK	3	3	24.09	24.09	24.07		
1.4	QPSK	6	0	23.10	23.18	23.14	24.5	1
1.4	16QAM	1	0	23.12	23.14	22.95	24.5	1
1.4	16QAM	1	3	23.16	23.12	23.14		
1.4	16QAM	1	5	23.08	23.18	23.05		
1.4	16QAM	3	0	23.07	23.14	23.02		
1.4	16QAM	3	1	23.07	23.02	22.94		
1.4	16QAM	3	3	23.07	23.01	22.98		
1.4	16QAM	6	0	22.11	22.21	22.14	23.5	2
1.4	64QAM	1	0	22.14	22.15	21.99	23.5	2
1.4	64QAM	1	3	22.09	22.04	22.18		
1.4	64QAM	1	5	22.04	22.10	22.11		
1.4	64QAM	3	0	22.02	22.15	22.06		
1.4	64QAM	3	1	22.15	22.04	21.87		
1.4	64QAM	3	3	22.02	21.96	22.01		
1.4	64QAM	6	0	21.11	21.22	21.06	22.5	3
1.4	256QAM	1	0	19.09	19.20	19.08	20.5	5
1.4	256QAM	1	3	19.10	19.10	19.09		
1.4	256QAM	1	5	19.08	19.14	19.12		
1.4	256QAM	3	0	19.14	19.16	19.06		
1.4	256QAM	3	1	19.02	19.00	19.07		
1.4	256QAM	3	3	19.11	19.20	18.88		
1.4	256QAM	6	0	19.12	19.09	19.07	20.5	5

GSM850 Ant1 DSI5

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.76	30.77	30.65	32.50	21.76	21.77	21.65	23.50
GPRS 1 Tx slot	30.79	30.80	30.70	32.50	21.79	21.80	21.70	23.50
GPRS 2 Tx slots	27.55	27.59	27.58	29.50	21.55	21.59	21.58	23.50
GPRS 3 Tx slots	25.81	25.78	25.74	27.50	21.55	21.52	21.48	23.24
GPRS 4 Tx slots	24.88	24.95	24.92	26.50	21.88	21.95	21.92	23.50
EDGE 1 Tx slot	25.96	25.97	25.74	27.50	16.96	16.97	16.74	18.50
EDGE 2 Tx slots	23.42	23.58	23.25	24.50	17.42	17.58	17.25	18.50
EDGE 3 Tx slots	21.57	21.68	21.58	22.70	17.31	17.42	17.32	18.44
EDGE 4 Tx slots	20.31	20.32	20.33	21.50	17.31	17.32	17.33	18.50

WCDMA V Ant1 DSI5

Band		WCDMA V Ant1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.91	20.96	21.10	22.50
3GPP Rel 99	RMC 12.2Kbps	21.10	21.12	20.99	22.50
3GPP Rel 6	HSDPA Subtest-1	20.19	20.20	20.07	21.50
3GPP Rel 6	HSDPA Subtest-2	20.18	20.09	20.10	21.50
3GPP Rel 6	HSDPA Subtest-3	19.60	19.63	19.58	21.00
3GPP Rel 6	HSDPA Subtest-4	19.48	19.59	19.36	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.13	20.03	20.03	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.01	20.04	19.99	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.65	19.67	19.73	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.67	19.59	19.57	21.00
3GPP Rel 6	HSUPA Subtest-1	20.02	20.19	19.97	21.50
3GPP Rel 6	HSUPA Subtest-2	18.10	18.25	18.02	19.50
3GPP Rel 6	HSUPA Subtest-3	19.08	19.11	19.14	20.50
3GPP Rel 6	HSUPA Subtest-4	18.08	18.00	18.11	19.50
3GPP Rel 6	HSUPA Subtest-5	20.07	20.08	19.98	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.54	17.64	17.47	19.00

Band 5 Ant1 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.71	21.75	21.67	23	0
10	QPSK	1	25	21.48	21.59	21.63		
10	QPSK	1	49	21.40	21.53	21.40		
10	QPSK	25	0	21.45	21.47	21.45	23	0
10	QPSK	25	12	21.44	21.29	21.44		
10	QPSK	25	25	21.46	21.43	21.45		
10	QPSK	50	0	21.41	21.48	21.34		
10	16QAM	1	0	21.57	21.43	21.48	23	0
10	16QAM	1	25	21.37	21.59	21.54		
10	16QAM	1	49	21.47	21.64	21.53		
10	16QAM	25	0	21.47	21.58	21.51	23	0
10	16QAM	25	12	21.47	21.59	21.35		
10	16QAM	25	25	21.48	21.52	21.55		
10	16QAM	50	0	21.51	21.37	21.53		
10	64QAM	1	0	21.36	21.35	21.42	23	0
10	64QAM	1	25	21.37	21.43	21.27		
10	64QAM	1	49	21.35	21.42	21.39		
10	64QAM	25	0	21.05	21.04	21.03	22.5	0.5
10	64QAM	25	12	21.03	21.00	20.97		
10	64QAM	25	25	21.01	20.99	21.02		
10	64QAM	50	0	20.93	20.99	21.01		
10	256QAM	1	0	19.02	19.02	19.03	20.5	2.5
10	256QAM	1	25	19.00	19.00	19.02		
10	256QAM	1	49	18.95	18.95	18.93		
10	256QAM	25	0	18.94	18.99	18.96	20.5	2.5
10	256QAM	25	12	18.94	18.94	18.87		
10	256QAM	25	25	18.86	18.94	18.93		
10	256QAM	50	0	18.84	18.91	18.82		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.40	21.67	21.64	23	0
5	QPSK	1	12	21.49	21.61	21.65		
5	QPSK	1	24	21.54	21.64	21.41		
5	QPSK	12	0	21.38	21.51	21.38	23	0
5	QPSK	12	7	21.51	21.34	21.45		
5	QPSK	12	13	21.52	21.39	21.46		
5	QPSK	25	0	21.47	21.52	21.45		
5	16QAM	1	0	21.56	21.60	21.48	23	0
5	16QAM	1	12	21.36	21.51	21.39		
5	16QAM	1	24	21.49	21.60	21.59		
5	16QAM	12	0	21.50	21.63	21.51	23	0
5	16QAM	12	7	21.36	21.60	21.28		
5	16QAM	12	13	21.57	21.41	21.48		
5	16QAM	25	0	21.39	21.43	21.34		
5	64QAM	1	0	21.31	21.32	21.52	23	0
5	64QAM	1	12	21.26	21.35	21.24		
5	64QAM	1	24	21.45	21.38	21.43		
5	64QAM	12	0	21.00	21.05	20.97	22.5	0.5
5	64QAM	12	7	20.95	21.00	20.99		
5	64QAM	12	13	20.93	21.00	21.02		
5	64QAM	25	0	20.84	20.97	21.00		
5	256QAM	1	0	18.97	19.02	18.96	20.5	2.5
5	256QAM	1	12	18.91	19.02	19.03		
5	256QAM	1	24	18.95	18.88	18.89		
5	256QAM	12	0	18.94	18.91	18.90	20.5	2.5
5	256QAM	12	7	18.88	18.89	18.80		
5	256QAM	12	13	18.83	18.94	18.93		
5	256QAM	25	0	18.85	18.90	18.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.62	21.54	21.45	23	0
3	QPSK	1	8	21.56	21.54	21.53		
3	QPSK	1	14	21.60	21.50	21.45		
3	QPSK	8	0	21.42	21.59	21.54	23	0
3	QPSK	8	4	21.43	21.38	21.37		
3	QPSK	8	7	21.54	21.46	21.57		
3	QPSK	15	0	21.36	21.40	21.50		
3	16QAM	1	0	21.65	21.62	21.51	23	0
3	16QAM	1	8	21.46	21.47	21.44		
3	16QAM	1	14	21.63	21.65	21.63		
3	16QAM	8	0	21.40	21.54	21.59	23	0
3	16QAM	8	4	21.27	21.41	21.30		
3	16QAM	8	7	21.61	21.45	21.44		
3	16QAM	15	0	21.49	21.46	21.31		
3	64QAM	1	0	21.48	21.39	21.52	23	0
3	64QAM	1	8	21.36	21.43	21.37		
3	64QAM	1	14	21.45	21.43	21.40		
3	64QAM	8	0	20.99	20.99	21.01	22.5	0.5
3	64QAM	8	4	21.06	20.92	20.94		
3	64QAM	8	7	20.92	20.95	21.00		
3	64QAM	15	0	20.87	20.90	21.01		
3	256QAM	1	0	18.93	18.97	19.06	20.5	2.5
3	256QAM	1	8	19.02	19.00	18.97		
3	256QAM	1	14	18.95	18.92	18.96		
3	256QAM	8	0	18.92	18.91	18.98	20.5	2.5
3	256QAM	8	4	18.86	18.95	18.90		
3	256QAM	8	7	18.79	18.86	18.86		
3	256QAM	15	0	18.77	18.85	18.81		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.49	21.53	21.61	23	0
1.4	QPSK	1	3	21.52	21.48	21.68		
1.4	QPSK	1	5	21.50	21.62	21.52		
1.4	QPSK	3	0	21.44	21.59	21.49		
1.4	QPSK	3	1	21.29	21.48	21.50		
1.4	QPSK	3	3	21.54	21.50	21.52		
1.4	QPSK	6	0	21.39	21.36	21.57	23	0
1.4	16QAM	1	0	21.65	21.47	21.62	23	0
1.4	16QAM	1	3	21.41	21.50	21.53		
1.4	16QAM	1	5	21.43	21.65	21.57		
1.4	16QAM	3	0	21.55	21.63	21.58		
1.4	16QAM	3	1	21.48	21.54	21.33		
1.4	16QAM	3	3	21.53	21.56	21.45		
1.4	16QAM	6	0	21.54	21.51	21.33	23	0
1.4	64QAM	1	0	21.26	21.40	21.52	23	0
1.4	64QAM	1	3	21.34	21.27	21.27		
1.4	64QAM	1	5	21.41	21.46	21.49		
1.4	64QAM	3	0	21.52	21.54	21.49		
1.4	64QAM	3	1	21.54	21.64	21.48		
1.4	64QAM	3	3	21.55	21.60	21.57		
1.4	64QAM	6	0	20.94	21.01	20.97	22.5	0.5
1.4	256QAM	1	0	18.94	19.00	18.98	20.5	2.5
1.4	256QAM	1	3	18.93	19.02	19.01		
1.4	256QAM	1	5	18.87	18.93	18.93		
1.4	256QAM	3	0	18.91	19.00	18.94		
1.4	256QAM	3	1	18.95	18.97	18.81		
1.4	256QAM	3	3	18.78	18.92	18.95		
1.4	256QAM	6	0	18.80	18.86	18.82	20.5	2.5

Band 26 Ant1 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.52	21.63	21.59	23	0
15	QPSK	1	37	21.60	21.62	21.49		
15	QPSK	1	74	21.40	21.49	21.43		
15	QPSK	36	0	21.44	21.54	21.35	23	0
15	QPSK	36	20	21.31	21.38	21.31		
15	QPSK	36	39	21.34	21.47	21.53		
15	QPSK	75	0	21.42	21.47	21.45		
15	16QAM	1	0	21.56	21.38	21.47	23	0
15	16QAM	1	37	21.48	21.62	21.53		
15	16QAM	1	74	21.46	21.46	21.57		
15	16QAM	36	0	21.51	21.52	21.44	23	0
15	16QAM	36	20	21.24	21.44	21.22		
15	16QAM	36	39	21.62	21.39	21.34		
15	16QAM	75	0	21.38	21.37	21.30		
15	64QAM	1	0	21.23	21.40	21.42	23	0
15	64QAM	1	37	21.34	21.31	21.34		
15	64QAM	1	74	21.36	21.51	21.24		
15	64QAM	36	0	20.97	21.12	20.94	22.5	0.5
15	64QAM	36	20	21.02	21.05	20.94		
15	64QAM	36	39	20.96	21.05	20.90		
15	64QAM	75	0	20.97	21.10	21.00		
15	256QAM	1	0	19.07	19.07	18.95	20.5	2.5
15	256QAM	1	37	19.02	19.06	18.87		
15	256QAM	1	74	19.01	19.06	18.90		
15	256QAM	36	0	18.97	19.11	18.96	20.5	2.5
15	256QAM	36	20	19.10	19.07	18.94		
15	256QAM	36	39	19.06	19.03	18.93		
15	256QAM	75	0	18.88	18.95	18.79		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	21.45	21.48	21.45	23	0
10	QPSK	1	25	21.48	21.50	21.48		
10	QPSK	1	49	21.56	21.43	21.48		
10	QPSK	25	0	21.51	21.48	21.47	23	0
10	QPSK	25	12	21.24	21.39	21.32		
10	QPSK	25	25	21.42	21.56	21.51		
10	QPSK	50	0	21.33	21.40	21.29		
10	16QAM	1	0	21.51	21.56	21.46	23	0
10	16QAM	1	25	21.37	21.43	21.44		
10	16QAM	1	49	21.35	21.53	21.46		
10	16QAM	25	0	21.47	21.48	21.54	23	0
10	16QAM	25	12	21.20	21.54	21.31		
10	16QAM	25	25	21.52	21.32	21.51		
10	16QAM	50	0	21.39	21.41	21.47		
10	64QAM	1	0	21.28	21.31	21.36	23	0
10	64QAM	1	25	21.23	21.35	21.27		
10	64QAM	1	49	21.30	21.43	21.46		
10	64QAM	25	0	20.97	21.10	20.87	22.5	0.5
10	64QAM	25	12	20.95	21.03	20.89		
10	64QAM	25	25	20.95	20.97	20.84		
10	64QAM	50	0	20.93	21.06	21.01		
10	256QAM	1	0	19.06	19.02	18.97	20.5	2.5
10	256QAM	1	25	19.01	19.00	18.79		
10	256QAM	1	49	18.99	19.04	18.83		
10	256QAM	25	0	18.95	19.06	18.91	20.5	2.5
10	256QAM	25	12	19.03	19.08	18.89		
10	256QAM	25	25	18.99	19.00	18.90		
10	256QAM	50	0	18.81	18.93	18.72		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	21.51	21.56	21.38	23	0
5	QPSK	1	12	21.58	21.43	21.60		
5	QPSK	1	24	21.57	21.56	21.41		
5	QPSK	12	0	21.37	21.58	21.34	23	0
5	QPSK	12	7	21.36	21.42	21.36		
5	QPSK	12	13	21.45	21.46	21.34		
5	QPSK	25	0	21.41	21.42	21.39		
5	16QAM	1	0	21.56	21.59	21.51	23	0
5	16QAM	1	12	21.47	21.56	21.35		
5	16QAM	1	24	21.38	21.58	21.50		
5	16QAM	12	0	21.45	21.59	21.48	23	0
5	16QAM	12	7	21.28	21.51	21.43		
5	16QAM	12	13	21.50	21.46	21.54		
5	16QAM	25	0	21.38	21.50	21.43		
5	64QAM	1	0	21.37	21.32	21.39	23	0
5	64QAM	1	12	21.34	21.42	21.28		
5	64QAM	1	24	21.24	21.33	21.32		
5	64QAM	12	0	20.96	21.09	20.95	22.5	0.5
5	64QAM	12	7	21.01	21.03	20.88		
5	64QAM	12	13	20.92	21.02	20.89		
5	64QAM	25	0	20.98	21.02	21.03		
5	256QAM	1	0	18.99	19.08	18.91	20.5	2.5
5	256QAM	1	12	18.96	19.03	18.83		
5	256QAM	1	24	18.98	19.01	18.81		
5	256QAM	12	0	18.93	19.02	18.99	20.5	2.5
5	256QAM	12	7	19.09	19.01	18.85		
5	256QAM	12	13	18.97	19.02	18.92		
5	256QAM	25	0	18.87	18.91	18.73		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	21.52	21.48	21.49	23	0
3	QPSK	1	8	21.58	21.55	21.61		
3	QPSK	1	14	21.50	21.43	21.57		
3	QPSK	8	0	21.38	21.40	21.47	23	0
3	QPSK	8	4	21.42	21.22	21.45		
3	QPSK	8	7	21.29	21.42	21.52		
3	QPSK	15	0	21.35	21.49	21.34		
3	16QAM	1	0	21.46	21.37	21.55	23	0
3	16QAM	1	8	21.28	21.44	21.45		
3	16QAM	1	14	21.50	21.48	21.45		
3	16QAM	8	0	21.55	21.38	21.43	23	0
3	16QAM	8	4	21.29	21.47	21.23		
3	16QAM	8	7	21.57	21.50	21.46		
3	16QAM	15	0	21.47	21.40	21.44		
3	64QAM	1	0	21.29	21.42	21.50	23	0
3	64QAM	1	8	21.27	21.42	21.33		
3	64QAM	1	14	21.42	21.47	21.36		
3	64QAM	8	0	20.97	21.10	20.94	22.5	0.5
3	64QAM	8	4	21.01	21.08	20.87		
3	64QAM	8	7	20.88	21.01	20.87		
3	64QAM	15	0	20.97	21.05	20.94		
3	256QAM	1	0	19.05	19.00	18.93	20.5	2.5
3	256QAM	1	8	18.99	19.08	18.87		
3	256QAM	1	14	18.97	19.00	18.90		
3	256QAM	8	0	18.90	19.04	18.98	20.5	2.5
3	256QAM	8	4	19.07	19.01	18.91		
3	256QAM	8	7	18.98	19.01	18.94		
3	256QAM	15	0	18.62	18.62	18.57		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.38	21.48	21.60	23	0
1.4	QPSK	1	3	21.41	21.58	21.60		
1.4	QPSK	1	5	21.45	21.57	21.56		
1.4	QPSK	3	0	21.32	21.51	21.33		
1.4	QPSK	3	1	21.23	21.28	21.35		
1.4	QPSK	3	3	21.37	21.42	21.41		
1.4	QPSK	6	0	21.33	21.51	21.40	23	0
1.4	16QAM	1	0	21.56	21.47	21.38	23	0
1.4	16QAM	1	3	21.37	21.48	21.36		
1.4	16QAM	1	5	21.37	21.42	21.50		
1.4	16QAM	3	0	21.39	21.47	21.46		
1.4	16QAM	3	1	21.40	21.50	21.21		
1.4	16QAM	3	3	21.44	21.49	21.41		
1.4	16QAM	6	0	21.36	21.36	21.38	23	0
1.4	64QAM	1	0	21.38	21.35	21.33	23	0
1.4	64QAM	1	3	21.30	21.29	21.28		
1.4	64QAM	1	5	21.26	21.40	21.46		
1.4	64QAM	3	0	21.47	21.48	21.48		
1.4	64QAM	3	1	21.49	21.47	21.48		
1.4	64QAM	3	3	21.22	21.37	21.29		
1.4	64QAM	6	0	21.00	21.13	20.90	22.5	0.5
1.4	256QAM	1	0	19.00	19.01	18.97	20.5	2.5
1.4	256QAM	1	3	18.95	18.99	18.80		
1.4	256QAM	1	5	18.99	19.01	18.84		
1.4	256QAM	3	0	18.90	19.13	18.98		
1.4	256QAM	3	1	19.12	19.04	18.88		
1.4	256QAM	3	3	19.08	18.96	18.95		
1.4	256QAM	6	0	18.80	18.89	18.80	20.5	2.5

Band 42 Ant1 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.02	20.17	19.96	21	0
20	QPSK	1	49	20.02	20.07	19.99		
20	QPSK	1	99	20.03	20.09	20.05		
20	QPSK	50	0	20.03	20.11	19.98	21	0
20	QPSK	50	24	19.98	20.09	19.97		
20	QPSK	50	50	19.96	20.07	19.94		
20	QPSK	100	0	19.96	20.15	20.14		
20	16QAM	1	0	20.12	20.11	20.07	21	0
20	16QAM	1	49	20.05	20.06	20.03		
20	16QAM	1	99	20.12	20.15	20.08		
20	16QAM	50	0	20.11	20.12	20.12	21	0
20	16QAM	50	24	20.13	20.16	20.10		
20	16QAM	50	50	20.04	20.11	20.14		
20	16QAM	100	0	20.10	20.08	20.06		
20	64QAM	1	0	20.12	20.14	20.13	21	0
20	64QAM	1	49	20.07	20.12	20.16		
20	64QAM	1	99	20.12	20.05	20.15		
20	64QAM	50	0	20.03	19.84	20.08	21	0
20	64QAM	50	24	20.02	20.06	20.04		
20	64QAM	50	50	20.00	20.10	19.91		
20	64QAM	100	0	19.91	20.04	19.94		
20	256QAM	1	0	19.02	19.02	19.03	19.5	1.5
20	256QAM	1	49	19.00	19.00	19.02		
20	256QAM	1	99	18.95	18.95	18.93		
20	256QAM	50	0	18.94	18.99	18.96	19.5	1.5
20	256QAM	50	24	18.94	18.94	18.87		
20	256QAM	50	50	18.86	18.94	18.93		
20	256QAM	100	0	18.84	18.91	18.82		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.99	20.03	19.97	21	0
15	QPSK	1	37	19.96	19.92	19.95		
15	QPSK	1	74	20.01	20.03	19.84		
15	QPSK	36	0	19.88	19.86	20.06	21	0
15	QPSK	36	20	20.04	19.96	20.00		
15	QPSK	36	39	19.91	20.02	19.94		
15	QPSK	75	0	19.97	20.02	20.09		
15	16QAM	1	0	19.94	20.14	20.04	21	0
15	16QAM	1	37	20.04	19.98	20.05		
15	16QAM	1	74	20.05	20.09	20.02		
15	16QAM	36	0	20.05	20.02	20.14	21	0
15	16QAM	36	20	20.00	20.15	20.04		
15	16QAM	36	39	19.85	20.08	19.97		
15	16QAM	75	0	20.09	20.09	19.85		
15	64QAM	1	0	20.07	19.98	19.97	21	0
15	64QAM	1	37	19.92	20.12	20.02		
15	64QAM	1	74	20.05	19.98	20.01		
15	64QAM	36	0	20.03	19.65	20.08	21	0
15	64QAM	36	20	19.93	20.02	19.93		
15	64QAM	36	39	19.86	19.99	19.84		
15	64QAM	75	0	19.72	20.04	19.77		
15	256QAM	1	0	18.74	18.69	18.69	19.5	1.5
15	256QAM	1	37	18.73	18.60	18.73		
15	256QAM	1	74	18.66	18.63	18.61		
15	256QAM	36	0	18.57	18.57	18.57	19.5	1.5
15	256QAM	36	20	18.57	18.66	18.62		
15	256QAM	36	39	18.53	18.60	18.59		
15	256QAM	75	0	18.51	18.54	18.45		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.99	20.12	19.74	21	0
10	QPSK	1	25	19.88	20.08	19.87		
10	QPSK	1	49	20.00	19.89	20.05		
10	QPSK	25	0	19.72	19.85	20.04	21	0
10	QPSK	25	12	19.96	19.96	19.93		
10	QPSK	25	25	19.78	19.95	19.78		
10	QPSK	50	0	19.86	20.09	19.93		
10	16QAM	1	0	19.98	20.12	20.06	21	0
10	16QAM	1	25	19.88	19.95	20.03		
10	16QAM	1	49	20.15	20.14	19.89		
10	16QAM	25	0	19.99	19.99	20.04	21	0
10	16QAM	25	12	19.98	20.09	20.11		
10	16QAM	25	25	19.91	20.12	20.02		
10	16QAM	50	0	19.95	19.95	19.97		
10	64QAM	1	0	20.10	19.94	19.95	21	0
10	64QAM	1	25	20.02	20.08	20.04		
10	64QAM	1	49	20.14	19.87	20.05		
10	64QAM	25	0	19.97	19.65	20.09	21	0
10	64QAM	25	12	19.90	19.92	19.83		
10	64QAM	25	25	19.78	19.92	19.91		
10	64QAM	50	0	19.79	19.94	19.93		
10	256QAM	1	0	18.69	18.72	18.66	19.5	1.5
10	256QAM	1	25	18.66	18.61	18.69		
10	256QAM	1	49	18.64	18.69	18.66		
10	256QAM	25	0	18.62	18.60	18.51	19.5	1.5
10	256QAM	25	12	18.55	18.69	18.55		
10	256QAM	25	25	18.53	18.63	18.63		
10	256QAM	50	0	18.56	18.54	18.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.00	20.01	19.91	21	0
5	QPSK	1	12	19.95	19.91	19.95		
5	QPSK	1	24	20.01	20.08	19.97		
5	QPSK	12	0	19.82	19.83	19.99	21	0
5	QPSK	12	7	19.89	19.96	19.92		
5	QPSK	12	13	19.80	20.10	19.92		
5	QPSK	25	0	19.93	20.16	19.94		
5	16QAM	1	0	20.01	20.06	19.94	21	0
5	16QAM	1	12	19.92	19.88	20.00		
5	16QAM	1	24	19.95	20.15	19.89		
5	16QAM	12	0	20.08	20.12	20.06	21	0
5	16QAM	12	7	19.99	19.97	20.04		
5	16QAM	12	13	19.83	20.07	20.00		
5	16QAM	25	0	19.95	20.09	20.05		
5	64QAM	1	0	20.09	20.09	19.98	21	0
5	64QAM	1	12	19.90	20.15	20.12		
5	64QAM	1	24	19.99	19.84	20.04		
5	64QAM	12	0	19.90	19.74	19.99	21	0
5	64QAM	12	7	20.03	20.07	19.83		
5	64QAM	12	13	19.79	20.06	19.93		
5	64QAM	25	0	19.72	19.94	19.86		
5	256QAM	1	0	18.70	18.64	18.71	19.5	1.5
5	256QAM	1	12	18.65	18.63	18.71		
5	256QAM	1	24	18.69	18.67	18.62		
5	256QAM	12	0	18.55	18.54	18.49	19.5	1.5
5	256QAM	12	7	18.63	18.59	18.61		
5	256QAM	12	13	18.56	18.64	18.64		
5	256QAM	25	0	18.51	18.54	18.40		

Band 48 Ant1 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.50	18.78	18.68	18.57	20	0
20	QPSK	1	49	18.34	18.76	18.68	18.67		
20	QPSK	1	99	18.31	18.75	18.64	18.61		
20	QPSK	50	0	18.46	18.77	18.71	18.66	20	0
20	QPSK	50	24	18.40	18.74	18.69	18.60		
20	QPSK	50	50	18.33	18.71	18.70	18.71		
20	QPSK	100	0	18.51	18.72	18.71	18.66		
20	16QAM	1	0	18.28	18.74	18.70	18.58	20	0
20	16QAM	1	49	18.42	18.65	18.47	18.66		
20	16QAM	1	99	18.25	18.70	18.76	18.74		
20	16QAM	50	0	18.38	18.74	18.64	18.48	20	0
20	16QAM	50	24	18.34	18.64	18.60	18.63		
20	16QAM	50	50	18.37	18.62	18.56	18.59		
20	16QAM	100	0	18.48	18.66	18.62	18.53		
20	64QAM	1	0	18.31	18.71	18.71	18.52	20	0
20	64QAM	1	49	18.38	18.62	18.41	18.63		
20	64QAM	1	99	18.22	18.54	18.74	18.53		
20	64QAM	50	0	18.09	18.53	18.59	18.42	20	0
20	64QAM	50	24	18.16	18.59	18.62	18.38		
20	64QAM	50	50	18.34	18.51	18.52	18.34		
20	64QAM	100	0	18.24	18.51	18.68	18.53		
20	256QAM	1	0	17.77	18.13	18.03	18.08	19.5	0.5
20	256QAM	1	49	17.72	18.03	18.10	18.00		
20	256QAM	1	99	17.76	18.11	18.11	18.09		
20	256QAM	50	0	17.92	18.20	18.15	18.11	19.5	0.5
20	256QAM	50	24	17.79	18.13	18.17	18.01		
20	256QAM	50	50	17.75	18.16	18.04	18.14		
20	256QAM	100	0	17.79	18.11	18.18	18.07		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.35	18.48	18.53	18.31	20	0
15	QPSK	1	37	18.08	18.48	18.49	18.57		
15	QPSK	1	74	18.11	18.58	18.39	18.45		
15	QPSK	36	0	18.23	18.56	18.42	18.51	20	0
15	QPSK	36	20	18.14	18.52	18.46	18.32		
15	QPSK	36	39	18.22	18.42	18.40	18.49		
15	QPSK	75	0	18.37	18.55	18.46	18.50		
15	16QAM	1	0	18.71	18.55	18.50	18.46	20	0
15	16QAM	1	37	18.17	18.50	18.29	18.56		
15	16QAM	1	74	18.14	18.40	18.47	18.54		
15	16QAM	36	0	18.10	18.55	18.40	18.28	20	0
15	16QAM	36	20	18.13	18.37	18.37	18.54		
15	16QAM	36	39	18.19	18.52	18.27	18.34		
15	16QAM	75	0	18.18	18.35	18.53	18.41		
15	64QAM	1	0	18.20	18.44	18.43	18.33	20	0
15	64QAM	1	37	18.25	18.41	18.28	18.43		
15	64QAM	1	74	18.71	18.43	18.51	18.31		
15	64QAM	36	0	18.52	18.36	18.46	18.17	20	0
15	64QAM	36	20	18.04	18.43	18.32	18.14		
15	64QAM	36	39	18.03	18.42	18.29	18.16		
15	64QAM	75	0	18.02	18.40	18.45	18.23		
15	256QAM	1	0	17.77	18.08	18.04	18.09	19.5	0.5
15	256QAM	1	37	17.69	17.96	18.13	17.94		
15	256QAM	1	74	17.69	18.07	18.05	18.10		
15	256QAM	36	0	17.92	18.11	18.14	18.11	19.5	0.5
15	256QAM	36	20	17.81	18.07	18.14	17.94		
15	256QAM	36	39	17.67	18.15	18.06	18.16		
15	256QAM	75	0	17.81	18.07	18.10	18.01		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.28	18.50	18.54	18.33	20	0
10	QPSK	1	25	18.19	18.49	18.47	18.47		
10	QPSK	1	49	18.14	18.61	18.47	18.51		
10	QPSK	25	0	18.20	18.54	18.46	18.39	20	0
10	QPSK	25	12	18.10	18.59	18.45	18.40		
10	QPSK	25	25	18.10	18.63	18.59	18.49		
10	QPSK	50	0	18.41	18.62	18.62	18.42		
10	16QAM	1	0	18.17	18.54	18.60	18.40	20	0
10	16QAM	1	25	18.16	18.49	18.26	18.40		
10	16QAM	1	49	18.09	18.39	18.65	18.54		
10	16QAM	25	0	18.09	18.46	18.54	18.16	20	0
10	16QAM	25	12	18.13	18.49	18.47	18.55		
10	16QAM	25	25	18.26	18.50	18.32	18.40		
10	16QAM	50	0	18.21	18.50	18.53	18.31		
10	64QAM	1	0	18.03	18.43	18.53	18.22	20	0
10	64QAM	1	25	18.24	18.53	18.11	18.45		
10	64QAM	1	49	18.64	18.46	18.43	18.44		
10	64QAM	25	0	18.49	18.35	18.30	18.17	20	0
10	64QAM	25	12	18.05	18.48	18.39	18.08		
10	64QAM	25	25	18.11	18.30	18.22	18.16		
10	64QAM	50	0	18.13	18.25	18.51	18.41		
10	256QAM	1	0	17.80	18.16	17.98	18.10	19.5	0.5
10	256QAM	1	25	17.72	18.03	18.12	17.95		
10	256QAM	1	49	17.76	18.03	18.04	18.07		
10	256QAM	25	0	17.89	18.14	18.16	18.14	19.5	0.5
10	256QAM	25	12	17.73	18.09	18.11	18.02		
10	256QAM	25	25	17.73	18.17	18.07	18.07		
10	256QAM	50	0	17.79	18.10	18.13	18.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.35	18.57	18.42	18.42	20	0
5	QPSK	1	12	18.24	18.56	18.39	18.54		
5	QPSK	1	24	18.13	18.58	18.47	18.46		
5	QPSK	12	0	18.28	18.57	18.51	18.51	20	0
5	QPSK	12	7	18.32	18.48	18.39	18.43		
5	QPSK	12	13	18.08	18.51	18.51	18.55		
5	QPSK	25	0	18.42	18.56	18.51	18.47		
5	16QAM	1	0	18.48	18.50	18.56	18.44	20	0
5	16QAM	1	12	18.24	18.51	18.26	18.54		
5	16QAM	1	24	18.64	18.44	18.68	18.52		
5	16QAM	12	0	18.18	18.63	18.45	18.30	20	0
5	16QAM	12	7	18.15	18.42	18.36	18.49		
5	16QAM	12	13	18.24	18.34	18.36	18.41		
5	16QAM	25	0	18.40	18.45	18.39	18.40		
5	64QAM	1	0	18.02	18.55	18.59	18.39	20	0
5	64QAM	1	12	18.29	18.53	18.21	18.35		
5	64QAM	1	24	18.03	18.40	18.45	18.21		
5	64QAM	12	0	18.50	18.22	18.41	18.11	20	0
5	64QAM	12	7	18.02	18.31	18.50	18.21		
5	64QAM	12	13	18.05	18.20	18.43	18.23		
5	64QAM	25	0	18.02	18.36	18.47	18.30		
5	256QAM	1	0	17.75	18.14	17.95	18.02	19.5	0.5
5	256QAM	1	12	17.74	17.95	18.02	17.92		
5	256QAM	1	24	17.76	18.12	18.03	18.01		
5	256QAM	12	0	17.87	18.12	18.14	18.08	19.5	0.5
5	256QAM	12	7	17.81	18.08	18.18	18.00		
5	256QAM	12	13	17.76	18.18	18.02	18.07		
5	256QAM	25	0	17.79	18.11	18.12	18.01		

GSM1900 Ant2 DSI5

GSM1900 Ant2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.71	27.85	27.74	29.00	18.71	18.85	18.74	20.00
GPRS 1 Tx slot	27.84	27.90	27.85	29.00	18.84	18.90	18.85	20.00
GPRS 2 Tx slots	24.40	24.48	24.37	26.00	18.40	18.48	18.37	20.00
GPRS 3 Tx slots	22.91	22.96	22.84	24.20	18.65	18.70	18.58	19.94
GPRS 4 Tx slots	20.95	21.14	20.90	23.00	17.95	18.14	17.90	20.00
EDGE 1 Tx slot	25.87	25.62	25.54	26.50	16.87	16.62	16.54	17.50
EDGE 2 Tx slots	23.06	22.97	22.95	23.50	17.06	16.97	16.95	17.50
EDGE 3 Tx slots	21.42	21.22	21.28	21.70	17.16	16.96	17.02	17.44
EDGE 4 Tx slots	19.56	19.36	19.57	20.50	16.56	16.36	16.57	17.50

WCDMA II Ant2 DSI5 / WCDMA IV Ant2 DSI5

Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.35	18.19	18.13	19.50	18.74	18.81	18.82	20.00
3GPP Rel 99	RMC 12.2Kbps	18.38	18.40	18.29	19.50	18.86	18.92	18.85	20.00
3GPP Rel 6	HSDPA Subtest-1	17.36	17.38	17.20	18.50	17.72	17.84	17.79	19.00
3GPP Rel 6	HSDPA Subtest-2	17.35	17.47	17.19	18.50	17.77	17.74	17.69	19.00
3GPP Rel 6	HSDPA Subtest-3	16.89	16.86	16.70	18.00	17.32	17.42	17.42	18.50
3GPP Rel 6	HSDPA Subtest-4	16.79	16.79	16.60	18.00	17.24	17.19	17.24	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.19	17.21	17.24	18.50	17.66	17.73	17.63	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.29	17.45	17.27	18.50	17.73	17.67	17.67	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.84	16.77	16.83	18.00	17.22	17.30	17.19	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.74	16.93	16.78	18.00	17.16	17.27	17.39	18.50
3GPP Rel 6	HSUPA Subtest-1	17.20	17.37	17.27	18.50	17.69	17.78	17.67	19.00
3GPP Rel 6	HSUPA Subtest-2	15.45	15.59	15.58	16.50	15.70	16.02	15.79	17.00
3GPP Rel 6	HSUPA Subtest-3	16.21	16.42	16.23	17.50	16.78	16.86	16.78	18.00
3GPP Rel 6	HSUPA Subtest-4	15.61	15.65	15.56	16.50	15.66	15.93	15.92	17.00
3GPP Rel 6	HSUPA Subtest-5	17.30	17.25	17.14	18.50	17.71	18.01	17.74	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.65	15.64	15.61	16.00	15.22	15.28	15.45	16.50

Band 2 Ant2 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.64	18.67	18.57	20	0
20	QPSK	1	49	18.42	18.46	18.58		
20	QPSK	1	99	18.63	18.51	18.49		
20	QPSK	50	0	18.49	18.53	18.44	20	0
20	QPSK	50	24	18.27	18.43	18.43		
20	QPSK	50	50	18.44	18.42	18.38		
20	QPSK	100	0	18.50	18.52	18.49		
20	16QAM	1	0	18.26	18.36	18.44	20	0
20	16QAM	1	49	18.21	18.40	18.45		
20	16QAM	1	99	18.37	18.50	18.28		
20	16QAM	50	0	18.49	18.55	18.45	20	0
20	16QAM	50	24	18.42	18.47	18.34		
20	16QAM	50	50	18.38	18.35	18.44		
20	16QAM	100	0	18.37	18.48	18.39		
20	64QAM	1	0	18.29	18.37	18.50	20	0
20	64QAM	1	49	18.37	18.25	18.39		
20	64QAM	1	99	18.38	18.50	18.40		
20	64QAM	50	0	18.48	18.57	18.25	20	0
20	64QAM	50	24	18.41	18.29	18.50		
20	64QAM	50	50	18.22	18.32	18.36		
20	64QAM	100	0	18.37	18.38	18.46		
20	256QAM	1	0	18.48	18.50	18.44	20	0
20	256QAM	1	49	18.49	18.36	18.33		
20	256QAM	1	99	18.30	18.27	18.51		
20	256QAM	50	0	18.46	18.46	18.45	20	0
20	256QAM	50	24	18.41	18.49	18.36		
20	256QAM	50	50	18.44	18.51	18.50		
20	256QAM	100	0	18.38	18.55	18.45		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.38	18.41	18.46	20	0
15	QPSK	1	37	18.49	18.40	18.44		
15	QPSK	1	74	18.30	18.48	18.43		
15	QPSK	36	0	18.30	18.33	18.27	20	0
15	QPSK	36	20	18.32	18.31	18.29		
15	QPSK	36	39	18.38	18.14	18.11		
15	QPSK	75	0	18.28	18.26	18.33		
15	16QAM	1	0	18.23	18.24	18.28	20	0
15	16QAM	1	37	18.24	18.19	18.21		
15	16QAM	1	74	18.29	18.32	18.11		
15	16QAM	36	0	18.37	18.36	18.20	20	0
15	16QAM	36	20	18.17	18.12	18.22		
15	16QAM	36	39	18.24	18.36	18.26		
15	16QAM	75	0	18.17	18.19	18.23		
15	64QAM	1	0	18.28	18.10	18.28	20	0
15	64QAM	1	37	18.08	18.33	18.39		
15	64QAM	1	74	18.38	18.32	18.21		
15	64QAM	36	0	18.31	18.36	18.31	20	0
15	64QAM	36	20	18.32	18.40	18.36		
15	64QAM	36	39	18.30	18.31	18.25		
15	64QAM	75	0	18.39	18.24	18.27		
15	256QAM	1	0	18.15	18.51	18.15	20	0
15	256QAM	1	37	18.37	18.21	18.32		
15	256QAM	1	74	18.17	18.15	18.35		
15	256QAM	36	0	18.38	18.44	18.33	20	0
15	256QAM	36	20	18.25	18.34	18.27		
15	256QAM	36	39	18.22	18.38	18.29		
15	256QAM	75	0	18.28	18.31	18.20		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.39	18.45	18.48	20	0
10	QPSK	1	25	18.36	18.47	18.38		
10	QPSK	1	49	18.52	18.35	18.42		
10	QPSK	25	0	18.21	18.44	18.32	20	0
10	QPSK	25	12	18.21	18.25	18.31		
10	QPSK	25	25	18.19	18.24	18.18		
10	QPSK	50	0	18.33	18.22	18.18		
10	16QAM	1	0	18.24	18.32	18.22	20	0
10	16QAM	1	25	18.26	18.08	18.26		
10	16QAM	1	49	18.12	18.34	18.11		
10	16QAM	25	0	18.19	18.31	18.15	20	0
10	16QAM	25	12	18.21	18.22	18.18		
10	16QAM	25	25	18.29	18.38	18.25		
10	16QAM	50	0	18.23	18.23	18.18		
10	64QAM	1	0	18.24	18.31	18.39	20	0
10	64QAM	1	25	18.18	18.18	18.31		
10	64QAM	1	49	18.25	18.32	18.28		
10	64QAM	25	0	18.24	18.36	18.14	20	0
10	64QAM	25	12	18.16	18.23	18.20		
10	64QAM	25	25	18.28	18.24	18.16		
10	64QAM	50	0	18.27	18.21	18.16		
10	256QAM	1	0	18.17	18.52	18.35	20	0
10	256QAM	1	25	18.30	18.25	18.36		
10	256QAM	1	49	18.17	18.33	18.21		
10	256QAM	25	0	18.34	18.36	18.14	20	0
10	256QAM	25	12	18.36	18.32	18.26		
10	256QAM	25	25	18.31	18.21	18.22		
10	256QAM	50	0	18.26	18.36	18.29		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.30	18.37	18.52	20	0
5	QPSK	1	12	18.50	18.50	18.46		
5	QPSK	1	24	18.42	18.44	18.34		
5	QPSK	12	0	18.33	18.20	18.30	20	0
5	QPSK	12	7	18.19	18.21	18.26		
5	QPSK	12	13	18.38	18.15	18.11		
5	QPSK	25	0	18.21	18.26	18.21		
5	16QAM	1	0	18.15	18.15	18.37	20	0
5	16QAM	1	12	18.21	18.25	18.23		
5	16QAM	1	24	18.32	18.28	18.26		
5	16QAM	12	0	18.31	18.23	18.18	20	0
5	16QAM	12	7	18.30	18.21	18.14		
5	16QAM	12	13	18.29	18.36	18.25		
5	16QAM	25	0	18.28	18.27	18.36		
5	64QAM	1	0	18.22	18.27	18.35	20	0
5	64QAM	1	12	18.27	18.14	18.24		
5	64QAM	1	24	18.17	18.29	18.32		
5	64QAM	12	0	18.29	18.42	18.28	20	0
5	64QAM	12	7	18.30	18.21	18.37		
5	64QAM	12	13	18.16	18.26	18.24		
5	64QAM	25	0	18.39	18.22	18.34		
5	256QAM	1	0	18.17	18.38	18.29	20	0
5	256QAM	1	12	18.30	18.37	18.38		
5	256QAM	1	24	18.20	18.18	18.20		
5	256QAM	12	0	18.24	18.40	18.31	20	0
5	256QAM	12	7	18.25	18.41	18.26		
5	256QAM	12	13	18.37	18.24	18.37		
5	256QAM	25	0	18.37	18.48	18.14		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.47	18.41	18.51	20	0
3	QPSK	1	8	18.49	18.42	18.32		
3	QPSK	1	14	18.33	18.45	18.33		
3	QPSK	8	0	18.14	18.38	18.30	20	0
3	QPSK	8	4	18.31	18.17	18.24		
3	QPSK	8	7	18.25	18.18	18.09		
3	QPSK	15	0	18.33	18.21	18.25		
3	16QAM	1	0	18.10	18.13	18.26	20	0
3	16QAM	1	8	18.20	18.28	18.21		
3	16QAM	1	14	18.28	18.24	18.17		
3	16QAM	8	0	18.18	18.21	18.14	20	0
3	16QAM	8	4	18.20	18.27	18.16		
3	16QAM	8	7	18.31	18.38	18.33		
3	16QAM	15	0	18.34	18.19	18.34		
3	64QAM	1	0	18.22	18.18	18.30	20	0
3	64QAM	1	8	18.32	18.14	18.42		
3	64QAM	1	14	18.24	18.40	18.13		
3	64QAM	8	0	18.31	18.46	18.12	20	0
3	64QAM	8	4	18.21	18.18	18.27		
3	64QAM	8	7	18.17	18.19	18.24		
3	64QAM	15	0	18.22	18.36	18.16		
3	256QAM	1	0	18.26	18.45	18.18	20	0
3	256QAM	1	8	18.31	18.21	18.22		
3	256QAM	1	14	18.33	18.26	18.35		
3	256QAM	8	0	18.25	18.30	18.35	20	0
3	256QAM	8	4	18.20	18.21	18.31		
3	256QAM	8	7	18.21	18.36	18.27		
3	256QAM	15	0	18.25	18.40	18.26		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.46	18.36	18.54	20	0
1.4	QPSK	1	3	18.31	18.41	18.54		
1.4	QPSK	1	5	18.48	18.37	18.36		
1.4	QPSK	3	0	18.24	18.29	18.21		
1.4	QPSK	3	1	18.17	18.20	18.36		
1.4	QPSK	3	3	18.29	18.28	18.14		
1.4	QPSK	6	0	18.27	18.27	18.17	20	0
1.4	16QAM	1	0	18.26	18.17	18.14	20	0
1.4	16QAM	1	3	18.33	18.12	18.36		
1.4	16QAM	1	5	18.22	18.35	18.16		
1.4	16QAM	3	0	18.17	18.28	18.21		
1.4	16QAM	3	1	18.15	18.30	18.26		
1.4	16QAM	3	3	18.35	18.21	18.20		
1.4	16QAM	6	0	18.20	18.18	18.34	20	0
1.4	64QAM	1	0	18.29	18.29	18.22	20	0
1.4	64QAM	1	3	18.30	18.17	18.34		
1.4	64QAM	1	5	18.23	18.27	18.13		
1.4	64QAM	3	0	18.23	18.41	18.34		
1.4	64QAM	3	1	18.22	18.37	18.24		
1.4	64QAM	3	3	18.29	18.13	18.33		
1.4	64QAM	6	0	18.36	18.23	18.23	20	0
1.4	256QAM	1	0	18.20	18.45	18.31	20	0
1.4	256QAM	1	3	18.18	18.30	18.41		
1.4	256QAM	1	5	18.33	18.24	18.18		
1.4	256QAM	3	0	18.23	18.39	18.26		
1.4	256QAM	3	1	18.21	18.39	18.22		
1.4	256QAM	3	3	18.28	18.26	18.26		
1.4	256QAM	6	0	18.36	18.31	18.22	20	0

Band 4 Ant2 DSI5 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.30	18.39	18.22	19.5	0
20	QPSK	1	49	18.21	18.20	18.25		
20	QPSK	1	99	18.20	18.31	18.26		
20	QPSK	50	0	18.08	18.37	18.20	19.5	0
20	QPSK	50	24	17.94	18.33	18.26		
20	QPSK	50	50	18.32	18.12	18.11		
20	QPSK	100	0	18.08	18.12	18.02		
20	16QAM	1	0	18.07	18.09	18.32	19.5	0
20	16QAM	1	49	18.00	18.07	18.27		
20	16QAM	1	99	18.27	18.35	18.09		
20	16QAM	50	0	18.20	18.25	18.27	19.5	0
20	16QAM	50	24	18.14	18.25	18.09		
20	16QAM	50	50	18.06	18.14	18.11		
20	16QAM	100	0	18.13	18.30	18.28		
20	64QAM	1	0	18.14	18.18	18.37	19.5	0
20	64QAM	1	49	18.16	18.11	18.28		
20	64QAM	1	99	18.24	18.19	18.25		
20	64QAM	50	0	18.26	18.23	18.08	19.5	0
20	64QAM	50	24	18.08	18.08	18.33		
20	64QAM	50	50	18.08	18.11	18.02		
20	64QAM	100	0	18.18	18.05	18.34		
20	256QAM	1	0	18.26	18.18	18.17	19.5	0
20	256QAM	1	49	18.34	18.24	18.23		
20	256QAM	1	99	18.13	18.16	18.29		
20	256QAM	50	0	18.23	18.14	18.21	19.5	0
20	256QAM	50	24	18.24	18.22	18.23		
20	256QAM	50	50	18.34	18.19	18.30		
20	256QAM	100	0	18.16	18.21	18.25		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.24	18.35	18.19	19.5	0
15	QPSK	1	37	18.18	18.33	18.25		
15	QPSK	1	74	18.38	18.31	18.19		
15	QPSK	36	0	17.96	18.30	18.10	19.5	0
15	QPSK	36	20	18.07	18.15	18.12		
15	QPSK	36	39	18.13	18.17	18.05		
15	QPSK	75	0	18.16	18.18	18.09		
15	16QAM	1	0	17.93	18.12	18.30	19.5	0
15	16QAM	1	37	17.99	18.07	18.17		
15	16QAM	1	74	18.10	18.25	18.09		
15	16QAM	36	0	18.24	18.25	18.21	19.5	0
15	16QAM	36	20	18.15	18.33	18.16		
15	16QAM	36	39	18.27	18.03	18.32		
15	16QAM	75	0	18.24	18.37	18.25		
15	64QAM	1	0	18.06	18.09	18.28	19.5	0
15	64QAM	1	37	18.05	18.10	18.19		
15	64QAM	1	74	18.08	18.38	18.10		
15	64QAM	36	0	18.25	18.23	18.02	19.5	0
15	64QAM	36	20	18.18	18.18	18.34		
15	64QAM	36	39	18.09	18.04	18.12		
15	64QAM	75	0	18.18	18.11	18.36		
15	256QAM	1	0	18.20	18.32	18.18	19.5	0
15	256QAM	1	37	18.28	18.38	18.15		
15	256QAM	1	74	18.19	18.00	18.19		
15	256QAM	36	0	18.27	18.36	18.28	19.5	0
15	256QAM	36	20	18.07	18.23	18.19		
15	256QAM	36	39	18.32	18.26	18.31		
15	256QAM	75	0	18.24	18.35	18.22		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.26	18.33	18.36	19.5	0
10	QPSK	1	25	18.19	18.17	18.32		
10	QPSK	1	49	18.35	18.10	18.28		
10	QPSK	25	0	18.16	18.38	18.05	19.5	0
10	QPSK	25	13	18.08	18.26	18.24		
10	QPSK	25	25	18.17	18.27	18.26		
10	QPSK	50	0	18.00	18.13	18.01		
10	16QAM	1	0	18.11	18.22	18.26	19.5	0
10	16QAM	1	25	17.98	18.14	18.18		
10	16QAM	1	49	18.20	18.38	18.09		
10	16QAM	25	0	18.17	18.28	18.28	19.5	0
10	16QAM	25	13	18.19	18.16	18.12		
10	16QAM	25	25	18.22	18.24	18.28		
10	16QAM	50	0	18.10	18.26	18.17		
10	64QAM	1	0	18.01	18.11	18.17	19.5	0
10	64QAM	1	25	18.21	17.92	18.08		
10	64QAM	1	49	18.14	18.31	18.12		
10	64QAM	25	0	18.30	18.26	18.05	19.5	0
10	64QAM	25	13	18.16	18.13	18.35		
10	64QAM	25	25	17.92	18.00	18.17		
10	64QAM	50	0	18.23	18.17	18.34		
10	256QAM	1	0	18.15	18.21	18.30	19.5	0
10	256QAM	1	25	18.27	18.06	18.09		
10	256QAM	1	49	18.09	17.95	18.35		
10	256QAM	25	0	18.16	18.30	18.21	19.5	0
10	256QAM	25	13	18.12	18.27	18.19		
10	256QAM	25	25	18.31	18.34	18.34		
10	256QAM	50	0	18.04	18.37	18.28		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.21	18.34	18.30	19.5	0
5	QPSK	1	12	18.18	18.15	18.33		
5	QPSK	1	24	18.38	18.24	18.33		
5	QPSK	12	0	18.18	18.27	18.02	19.5	0
5	QPSK	12	7	17.94	18.24	18.26		
5	QPSK	12	13	18.13	18.13	18.11		
5	QPSK	25	0	18.12	17.98	18.14		
5	16QAM	1	0	17.92	18.05	18.11	19.5	0
5	16QAM	1	12	18.11	18.11	18.16		
5	16QAM	1	24	18.11	18.22	18.00		
5	16QAM	12	0	18.24	18.29	18.27	19.5	0
5	16QAM	12	7	18.23	18.32	18.05		
5	16QAM	12	13	18.16	18.18	18.21		
5	16QAM	25	0	18.24	18.19	18.14		
5	64QAM	1	0	18.18	18.23	18.31	19.5	0
5	64QAM	1	12	18.07	17.97	18.23		
5	64QAM	1	24	18.12	18.16	18.29		
5	64QAM	12	0	18.27	18.30	18.00	19.5	0
5	64QAM	12	7	18.30	18.19	18.36		
5	64QAM	12	13	17.90	18.16	18.16		
5	64QAM	25	0	18.23	18.22	18.20		
5	256QAM	1	0	18.32	18.32	18.14	19.5	0
5	256QAM	1	12	18.32	18.04	18.21		
5	256QAM	1	24	18.11	17.99	18.17		
5	256QAM	12	0	18.35	18.26	18.33	19.5	0
5	256QAM	12	7	18.19	18.19	18.09		
5	256QAM	12	13	18.26	18.28	18.29		
5	256QAM	25	0	18.08	18.37	18.21		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.34	18.37	18.27	19.5	0
3	QPSK	1	8	18.19	18.24	18.38		
3	QPSK	1	14	18.39	18.23	18.17		
3	QPSK	8	0	18.18	18.26	18.08	19.5	0
3	QPSK	8	4	18.03	18.16	18.15		
3	QPSK	8	7	18.24	18.08	18.22		
3	QPSK	15	0	18.04	18.00	18.11		
3	16QAM	1	0	18.04	18.14	18.30	19.5	0
3	16QAM	1	8	18.08	18.18	18.20		
3	16QAM	1	14	18.26	18.31	18.18		
3	16QAM	8	0	18.36	18.37	18.28	19.5	0
3	16QAM	8	4	18.21	18.11	18.15		
3	16QAM	8	7	18.11	18.02	18.28		
3	16QAM	15	0	18.21	18.29	18.13		
3	64QAM	1	0	18.03	18.25	18.29	19.5	0
3	64QAM	1	8	18.12	17.93	18.06		
3	64QAM	1	14	18.22	18.24	18.12		
3	64QAM	8	0	18.16	18.31	18.12	19.5	0
3	64QAM	8	4	18.11	18.04	18.30		
3	64QAM	8	7	17.91	18.08	18.04		
3	64QAM	15	0	18.09	18.25	18.21		
3	256QAM	1	0	18.36	18.34	18.11	19.5	0
3	256QAM	1	8	18.17	18.11	18.21		
3	256QAM	1	14	17.98	18.10	18.39		
3	256QAM	8	0	18.33	18.31	18.31	19.5	0
3	256QAM	8	4	18.12	18.29	18.24		
3	256QAM	8	7	18.20	18.39	18.34		
3	256QAM	15	0	18.15	18.32	18.33		
Channel				19907	20175	20443	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.23	18.32	18.20	19.5	0
1.4	QPSK	1	3	18.30	18.20	18.39		
1.4	QPSK	1	5	18.25	18.25	18.15		
1.4	QPSK	3	0	17.97	18.28	18.00		
1.4	QPSK	3	1	18.02	18.18	18.32		
1.4	QPSK	3	3	18.27	18.11	18.24		
1.4	QPSK	6	0	17.98	18.00	18.13	19.5	0
1.4	16QAM	1	0	18.07	18.20	18.25		
1.4	16QAM	1	3	17.88	18.12	18.22		
1.4	16QAM	1	5	18.03	18.27	18.05	19.5	0
1.4	16QAM	3	0	18.26	18.28	18.34		
1.4	16QAM	3	1	18.28	18.28	18.20		
1.4	16QAM	3	3	18.27	18.03	18.20		
1.4	16QAM	6	0	18.23	18.19	18.24	19.5	0
1.4	64QAM	1	0	18.01	18.14	18.36		
1.4	64QAM	1	3	18.07	18.06	18.24		
1.4	64QAM	1	5	18.26	18.36	18.16	19.5	0
1.4	64QAM	3	0	18.22	18.30	18.05		
1.4	64QAM	3	1	18.28	18.16	18.22		
1.4	64QAM	3	3	17.90	18.13	18.17		
1.4	64QAM	6	0	18.05	18.15	18.22	19.5	0
1.4	256QAM	1	0	18.34	18.23	18.23		
1.4	256QAM	1	3	18.15	18.20	18.06		
1.4	256QAM	1	5	18.01	18.04	18.29	19.5	0
1.4	256QAM	3	0	18.20	18.17	18.29		
1.4	256QAM	3	1	18.26	18.35	18.17		
1.4	256QAM	3	3	18.30	18.18	18.31		
1.4	256QAM	6	0	18.10	18.22	18.18	19.5	0

Band 7 Ant2 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.50	16.57	16.48	17.5	0
20	QPSK	1	49	16.31	16.29	16.48		
20	QPSK	1	99	16.47	16.47	16.40		
20	QPSK	50	0	16.51	16.55	16.54	17.5	0
20	QPSK	50	24	16.04	16.42	16.38		
20	QPSK	50	50	16.51	16.33	16.20		
20	QPSK	100	0	16.21	16.39	16.52		
20	16QAM	1	0	16.24	16.33	16.55	17.5	0
20	16QAM	1	49	16.09	16.30	16.56		
20	16QAM	1	99	16.54	16.50	16.21		
20	16QAM	50	0	16.47	16.36	16.50	17.5	0
20

Band 38 Ant2 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.20	18.30	18.14	19.5	0
20	QPSK	1	49	18.13	18.19	18.15		
20	QPSK	1	99	18.12	18.13	18.14		
20	QPSK	50	0	18.04	18.26	18.17	19.5	0
20	QPSK	50	24	17.75	18.17	18.11		
20	QPSK	50	50	18.23	18.01	18.08		
20	QPSK	100	0	17.87	18.00	17.96		
20	16QAM	1	0	18.04	18.07	18.20	19.5	0
20	16QAM	1	49	17.87	18.00	18.18		
20	16QAM	1	99	18.18	18.19	18.04		
20	16QAM	50	0	18.19	18.16	18.29	19.5	0
20	16QAM	50	24	18.13	18.21	17.88		
20	16QAM	50	50	17.87	18.08	17.99		
20	16QAM	100	0	18.04	18.28	18.28		
20	64QAM	1	0	17.94	18.20	18.19	19.5	0
20	64QAM	1	49	18.04	18.09	18.14		
20	64QAM	1	99	18.24	18.07	18.17		
20	64QAM	50	0	18.13	18.24	17.92	19.5	0
20	64QAM	50	24	18.08	17.88	18.26		
20	64QAM	50	50	18.09	17.91	17.93		
20	64QAM	100	0	17.98	17.98	18.23		
20	256QAM	1	0	18.06	18.20	18.05	19.5	0
20	256QAM	1	49	18.28	18.23	18.12		
20	256QAM	1	99	17.96	18.15	18.26		
20	256QAM	50	0	18.03	18.01	18.23	19.5	0
20	256QAM	50	24	18.20	18.13	18.23		
20	256QAM	50	50	18.13	18.23	18.09		
20	256QAM	100	0	18.02	18.12	18.22		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.13	18.19	18.16	19.5	0
15	QPSK	1	37	18.23	18.01	18.05		
15	QPSK	1	74	18.12	18.11	18.13		
15	QPSK	36	0	17.91	18.29	18.04	19.5	0
15	QPSK	36	20	17.82	18.25	18.17		
15	QPSK	36	39	18.21	18.06	18.03		
15	QPSK	75	0	18.08	18.06	17.91		
15	16QAM	1	0	18.03	17.87	18.21	19.5	0
15	16QAM	1	37	17.89	18.05	18.11		
15	16QAM	1	74	18.05	18.24	18.07		
15	16QAM	36	0	18.16	18.25	18.08	19.5	0
15	16QAM	36	20	17.97	18.17	18.06		
15	16QAM	36	39	17.90	18.13	18.09		
15	16QAM	75	0	18.03	18.14	18.23		
15	64QAM	1	0	18.15	18.17	18.17	19.5	0
15	64QAM	1	37	18.08	17.95	18.13		
15	64QAM	1	74	18.21	18.02	18.22		
15	64QAM	36	0	18.04	18.16	17.97	19.5	0
15	64QAM	36	20	18.05	18.03	18.21		
15	64QAM	36	39	18.09	18.04	17.88		
15	64QAM	75	0	18.14	17.87	18.16		
15	256QAM	1	0	18.26	18.02	18.01	19.5	0
15	256QAM	1	37	18.22	18.19	18.02		
15	256QAM	1	74	18.03	18.09	18.12		
15	256QAM	36	0	18.12	18.06	18.09	19.5	0
15	256QAM	36	20	18.10	18.01	18.18		
15	256QAM	36	39	18.16	18.27	18.12		
15	256QAM	75	0	17.98	18.03	18.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.26	18.22	18.07	19.5	0
10	QPSK	1	25	18.16	18.03	18.22		
10	QPSK	1	49	18.11	18.16	18.07		
10	QPSK	25	0	18.09	18.21	18.10	19.5	0
10	QPSK	25	12	17.87	18.28	18.22		
10	QPSK	25	25	18.18	18.07	17.99		
10	QPSK	50	0	17.95	18.04	17.91		
10	16QAM	1	0	17.99	18.05	18.27	19.5	0
10	16QAM	1	25	17.96	17.91	18.21		
10	16QAM	1	49	18.09	18.22	17.95		
10	16QAM	25	0	18.16	18.17	18.17	19.5	0
10	16QAM	25	12	17.96	18.04	18.03		
10	16QAM	25	25	17.86	17.98	18.04		
10	16QAM	50	0	18.14	18.17	18.15		
10	64QAM	1	0	18.01	18.01	18.17	19.5	0
10	64QAM	1	25	18.13	18.01	18.16		
10	64QAM	1	49	18.25	18.09	18.24		
10	64QAM	25	0	18.15	18.01	18.02	19.5	0
10	64QAM	25	12	17.99	17.98	18.17		
10	64QAM	25	25	18.03	18.00	17.94		
10	64QAM	50	0	18.07	17.94	18.22		
10	256QAM	1	0	18.24	17.97	18.16	19.5	0
10	256QAM	1	25	18.19	18.15	18.01		
10	256QAM	1	49	17.98	18.09	18.20		
10	256QAM	25	0	18.13	18.07	18.11	19.5	0
10	256QAM	25	12	18.21	18.17	18.10		
10	256QAM	25	25	18.21	18.21	18.13		
10	256QAM	50	0	18.18	18.00	18.26		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.21	18.26	18.04	19.5	0
5	QPSK	1	12	18.20	18.18	18.15		
5	QPSK	1	24	18.21	18.18	18.20		
5	QPSK	12	0	17.89	18.17	18.12	19.5	0
5	QPSK	12	7	17.89	18.15	18.19		
5	QPSK	12	13	18.22	17.93	17.95		
5	QPSK	25	0	17.93	18.05	17.87		
5	16QAM	1	0	17.98	18.04	18.21	19.5	0
5	16QAM	1	12	17.93	17.87	18.08		
5	16QAM	1	24	18.20	18.12	18.08		
5	16QAM	12	0	18.20	18.19	18.28	19.5	0
5	16QAM	12	7	18.06	18.14	18.10		
5	16QAM	12	13	17.90	18.06	17.94		
5	16QAM	25	0	18.14	18.26	18.26		
5	64QAM	1	0	17.95	18.06	18.23	19.5	0
5	64QAM	1	12	18.09	17.94	18.11		
5	64QAM	1	24	18.22	18.10	18.07		
5	64QAM	12	0	18.07	18.07	18.08	19.5	0
5	64QAM	12	7	17.91	18.04	18.14		
5	64QAM	12	13	18.04	17.93	18.04		
5	64QAM	25	0	18.07	17.90	18.21		
5	256QAM	1	0	18.12	18.10	18.18	19.5	0
5	256QAM	1	12	18.21	18.08	18.10		
5	256QAM	1	24	18.03	18.10	18.19		
5	256QAM	12	0	18.16	18.14	18.21	19.5	0
5	256QAM	12	7	18.10	18.05	18.03		
5	256QAM	12	13	18.27	18.27	18.17		
5	256QAM	25	0	18.08	18.01	18.20		

Band 41 Ant2 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.35	18.21	18.37	18.23	18.16	19.5	0
20	QPSK	1	49	18.10	18.06	18.19	17.89	18.02		
20	QPSK	1	99	18.23	18.23	18.21	18.20	18.17		
20	QPSK	50	0	18.00	18.31	18.34	18.19	18.24	19.5	0
20	QPSK	50	24	17.89	18.16	18.12	18.14	18.21		
20	QPSK	50	50	18.15	18.13	18.21	17.77	17.79		
20	QPSK	100	0	18.11	18.13	18.21	17.95	18.00		
20	16QAM	1	0	17.99	18.02	18.31	18.01	17.70	19.5	0
20	16QAM	1	49	17.99	17.89	18.35	17.97	17.82		
20	16QAM	1	99	18.09	18.32	18.16	18.19	18.16		
20	16QAM	50	0	18.13	18.26	18.22	18.02	17.94	19.5	0
20	16QAM	50	24	18.08	18.12	18.21	18.14	18.02		
20	16QAM	50	50	18.07	17.92	18.13	18.10	18.11		
20	16QAM	100	0	18.09	18.10	18.35	18.19	18.16		
20	64QAM	1	0	18.02	18.15	18.16	17.94	18.06	19.5	0
20	64QAM	1	49	18.13	17.95	18.20	17.90	17.75		
20	64QAM	1	99	18.25	18.06	18.27	17.98	17.92		
20	64QAM	50	0	18.26	18.02	18.19	18.16	17.88	19.5	0
20	64QAM	50	24	18.02	18.04	18.28	17.96	18.00		
20	64QAM	50	50	17.95	18.00	17.99	18.03	17.75		
20	64QAM	100	0	18.07	18.04	18.29	17.96	17.72		
20	256QAM	1	0	18.23	18.20	18.17	18.02	17.86	19.5	0
20	256QAM	1	49	18.25	18.09	18.19	18.09	18.20		
20	256QAM	1	99	17.92	18.10	18.16	18.09	17.87		
20	256QAM	50	0	18.16	18.03	18.20	17.82	18.03	19.5	0
20	256QAM	50	24	18.15	18.03	18.28	18.02	17.95		
20	256QAM	50	50	18.18	18.17	18.25	18.25	18.12		
20	256QAM	100	0	18.00	18.03	18.27	17.90	18.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.92	17.80	18.13	17.78	17.85	20	0
15	QPSK	1	37	17.77	17.65	17.89	17.50	17.80		
15	QPSK	1	74	18.03	17.92	17.84	17.89	17.94		
15	QPSK	36	0	17.65	17.79	17.81	17.70	17.72	19.5	0
15	QPSK	36	20	17.71	17.82	17.84	17.74	17.96		
15	QPSK	36	39	17.86	17.82	18.04	17.95	17.97		
15	QPSK	75	0	17.61	17.84	17.94	17.61	17.78		
15	16QAM	1	0	17.84	17.72	17.98	17.89	17.81	19.5	0
15	16QAM	1	37	17.67	17.74	17.97	17.65	17.75		
15	16QAM	1	74	17.89	17.72	17.89	17.60	17.51		
15	16QAM	36	0	17.89	17.65	17.92	17.58	17.52	19.5	0
15	16QAM	36	20	17.79	17.81	17.97	17.72	17.82		
15	16QAM	36	39	17.83	17.71	17.92	17.76	17.83		
15	16QAM	75	0	17.70	17.90	18.02	17.94	17.85		
15	64QAM	1	0	17.62	17.75	17.75	17.61	17.78	19.5	0
15	64QAM	1	37	17.85	17.75	18.12	17.93	17.76		
15	64QAM	1	74	17.75	17.77	17.82	17.63	17.70		
15	64QAM	36	0	17.86	17.69	18.00	17.52	17.51	19.5	0
15	64QAM	36	20	17.82	17.80	17.93	17.71	17.67		
15	64QAM	36	39	17.63	17.68	17.77	17.82	17.50		
15	64QAM	75	0	17.90	17.85	18.09	17.78	17.76		
15	256QAM	1	0	17.83	17.89	18.03	17.87	17.74	19.5	0
15	256QAM	1	37	17.74	17.95	17.79	17.55	17.73		
15	256QAM	1	74	17.81	17.73	17.81	17.62	17.60		
15	256QAM	36	0	17.91	17.74	17.78	17.57	17.78	19.5	0
15	256QAM	36	20	17.75	17.73	17.98	17.84	17.72		
15	256QAM	36	39	18.00	17.96	17.87	18.02	17.76		
15	256QAM	75	0	17.75	17.62	18.01	17.68	17.73		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.88	18.01	18.11	17.75	17.77	20	0
10	QPSK	1	25	17.83	17.76	17.91	17.57	17.72		
10	QPSK	1	49	17.94	17.92	17.90	17.84	17.96		
10	QPSK	25	0	17.74	17.87	18.08	17.96	17.83	19.5	0
10	QPSK	25	12	17.68	17.91	17.90	17.59	17.69		
10	QPSK	25	25	17.74	17.91	18.09	17.80	17.86		
10	QPSK	50	0	17.71	17.95	17.74	17.67	17.76		
10	16QAM	1	0	17.87	17.80	18.03	17.94	17.97	19.5	0
10	16QAM	1	25	17.64	17.77	17.80	17.66	17.80		
10	16QAM	1	49	17.82	18.12	17.81	17.86	17.83		
10	16QAM	25	0	17.94	18.00	17.88	17.61	17.63	19.5	0
10	16QAM	25	12	17.72	17.78	17.93	17.76	17.80		
10	16QAM	25	25	17.87	17.58	17.73	17.77	17.87		
10	16QAM	50	0	17.77	17.88	18.10	17.78	17.95		
10	64QAM	1	0	17.62	17.82	17.79	17.68	17.86	19.5	0
10	64QAM	1	25	17.87	17.82	17.99	17.85	17.80		
10	64QAM	1	49	17.80	17.96	17.76	17.66	17.72		
10	64QAM	25	0	18.06	17.79	17.84	17.83	17.51	19.5	0
10	64QAM	25	12	17.77	17.72	17.96	17.68	17.74		
10	64QAM	25	25	17.83	17.80	18.15	17.79	17.94		
10	64QAM	50	0	17.76	17.86	17.80	17.58	17.83		
10	256QAM	1	0	18.02	17.82	17.85	17.72	17.68	19.5	0
10	256QAM	1	25	17.88	17.85	17.90	17.89	17.85		
10	256QAM	1	49	17.71	17.73	17.99	17.94	17.86		
10	256QAM	25	0	17.75	17.84	17.96	17.73	17.86	19.5	0
10	256QAM	25	12	17.77	17.71	18.10	17.77	17.56		
10	256QAM	25	25	17.91	17.92	17.83	18.06	17.76		
10	256QAM	50	0	17.69	17.62	17.96	17.52	17.68		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.92	17.84	18.06	17.91	17.82	20	0
5	QPSK	1	12	17.77	17.68	17.81	17.59	17.65		
5	QPSK	1	24	18.00	17.96	17.85	17.93	17.79		
5	QPSK	12	0	17.68	17.90	17.89	17.87	17.72	19.5	0
5	QPSK	12	7	17.65	17.86	17.88	17.81	18.02		
5	QPSK	12	13	17.81	17.87	18.14	17.82	17.96		
5	QPSK	25	0	17.63	17.83	17.76	17.63	17.87		
5	16QAM	1	0	17.80	17.84	17.96	17.87	17.76	19.5	0
5	16QAM	1	12	17.69	17.90	17.81	17.53	17.78		
5	16QAM	1	24	17.76	18.02	17.81	17.97	17.95		
5	16QAM	12	0	17.93	17.94	18.04	17.67	17.63	19.5	0
5	16QAM	12	7	17.68	17.78	18.02	17.91	17.64		
5	16QAM	12	13	17.85	17.52	17.72	17.91	17.80		
5	16QAM	25	0	17.69	17.81	18.07	17.78	17.90		
5	64QAM	1	0	17.62	17.93	17.86	17.64	17.86	19.5	0
5	64QAM	1	12	17.94	17.59	17.79	17.66	17.56		
5	64QAM	1	24	17.94	17.78	17.97	17.76	17.68		
5	64QAM	12	0	18.07	17.62	17.83	17.87	17.58	19.5	0
5	64QAM	12	7	17.71	17.75	17.96	17.65	17.78		
5	64QAM	12	13	17.89	17.75	17.94	17.78	17.75		
5	64QAM	25	0	17.84	17.91	17.87	17.59	17.76		
5	256QAM	1	0	17.90	17.92	17.95	17.61	17.58	19.5	0
5	256QAM	1	12	18.03	17.74	17.80	17.75	18.02		
5	256QAM	1	24	17.74	17.77	17.86	17.87	17.64		
5	256QAM	12	0	17.89	17.74	17.95	17.77	17.84	19.5	0
5	256QAM	12	7	17.65	17.84	17.90	17.65	17.79		
5	256QAM	12	13	17.88	17.83	17.95	18.02	17.76		
5	256QAM	25	0	17.69	17.82	18.01	17.68	17.63		

GSM1900 Ant3 DSI5

GSM1900 Ant3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.94	29.08	28.66	30.50	19.94	20.08	19.66	21.50
GPRS 1 Tx slot	28.96	29.15	28.70	30.50	19.96	20.15	19.70	21.50
GPRS 2 Tx slots	25.52	25.53	25.73	27.50	19.52	19.53	19.73	21.50
GPRS 3 Tx slots	24.10	24.15	24.12	25.70	19.84	19.89	19.86	21.44
GPRS 4 Tx slots	22.91	22.97	22.70	24.50	19.91	19.97	19.70	21.50
EDGE 1 Tx slot	25.01	25.18	25.04	26.50	16.01	16.18	16.04	17.50
EDGE 2 Tx slots	22.37	22.54	22.17	23.50	16.37	16.54	16.17	17.50
EDGE 3 Tx slots	21.10	21.13	21.05	21.70	16.84	16.87	16.79	17.44
EDGE 4 Tx slots	19.27	19.25	19.25	20.50	16.27	16.25	16.25	17.50

		WCDMA II Ant3 DSI5				WCDMA IV Ant3 DSI5			
Band		WCDMA II Ant3			Tune-up Limit (dBm)	WCDMA IV Ant3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.03	20.25	20.20	22.00	20.10	20.10	20.02	21.50
3GPP Rel 99	RMC 12.2Kbps	20.27	20.28	20.24	22.00	20.10	20.12	20.11	21.50
3GPP Rel 6	HSDPA Subtest-1	19.14	19.35	19.32	21.00	19.18	19.27	19.28	20.50
3GPP Rel 6	HSDPA Subtest-2	19.13	19.28	19.12	21.00	19.19	19.23	19.02	20.50
3GPP Rel 6	HSDPA Subtest-3	18.78	18.83	18.70	20.50	18.64	18.73	18.76	20.00
3GPP Rel 6	HSDPA Subtest-4	18.66	18.76	18.67	20.50	18.61	18.83	18.70	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.25	19.30	19.18	21.00	19.30	19.25	19.17	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.13	19.11	19.19	21.00	19.12	19.12	19.20	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.64	18.74	18.54	20.50	18.61	18.77	18.66	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.54	18.66	18.56	20.50	18.58	18.74	18.81	20.00
3GPP Rel 6	HSUPA Subtest-1	19.00	19.25	19.16	21.00	19.12	19.11	19.25	20.50
3GPP Rel 6	HSUPA Subtest-2	17.17	17.26	17.20	19.00	17.15	17.18	17.29	18.50
3GPP Rel 6	HSUPA Subtest-3	18.33	18.25	18.41	20.00	18.13	18.20	18.35	19.50
3GPP Rel 6	HSUPA Subtest-4	17.18	17.14	17.12	19.00	17.24	17.16	17.06	18.50
3GPP Rel 6	HSUPA Subtest-5	19.01	19.25	19.22	21.00	18.96	19.22	19.01	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.81	16.90	16.90	18.50	16.71	16.93	16.70	18.00

Band 2 Ant3 DSI5 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.66	19.85	19.71	21.5	0
20	QPSK	1	49	19.63	19.64	19.76		
20	QPSK	1	99	19.74	19.62	19.66		
20	QPSK	50	0	19.69	19.74	19.72		
20	QPSK	50	24	19.54	19.62	19.62	21.5	0
20	QPSK	50	50	19.56	19.52	19.56		
20	QPSK	100	0	19.54	19.65	19.62		
20	16QAM	1	0	19.60	19.55	19.57	21.5	0
20	16QAM	1	49	19.59	19.59	19.73		
20	16QAM	1	99	19.63	19.78	19.55		
20	16QAM	50	0	19.73	19.59	19.66		
20	16QAM	50	24	19.67	19.60	19.62	21.5	0
20	16QAM	50	50	19.66	19.69	19.60		
20	16QAM	100	0	19.51	19.76	19.79		
20	64QAM	1	0	19.62	19.65	19.60		
20	64QAM	1	49	19.65	19.53	19.70	21.5	0
20	64QAM	1	99	19.69	19.57	19.75		
20	64QAM	50	0	19.66	19.66	19.61		
20	64QAM	50	24	19.66	19.59	19.81	21.5	0
20	64QAM	50	50	19.57	19.57	19.70		
20	64QAM	100	0	19.61	19.65	19.75		
20	256QAM	1	0	18.23	18.39	18.36		
20	256QAM	1	49	18.39	18.43	18.31	20	1.5
20	256QAM	1	99	18.22	18.28	18.29		
20	256QAM	50	0	18.22	18.43	18.18		
20	256QAM	50	24	18.13	18.18	18.25	20	1.5
20	256QAM	50	50	18.26	18.30	18.17		
20	256QAM	100	0	18.16	18.15	18.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.69	19.80	19.64	21.5	0
15	QPSK	1	37	19.52	19.65	19.64		
15	QPSK	1	74	19.73	19.67	19.50		
15	QPSK	36	0	19.70	19.76	19.58	21.5	0
15	QPSK	36	20	19.66	19.63	19.55		
15	QPSK	36	39	19.60	19.70	19.64		
15	QPSK	75	0	19.55	19.60	19.66		
15	16QAM	1	0	19.58	19.60	19.67	21.5	0
15	16QAM	1	37	19.59	19.59	19.65		
15	16QAM	1	74	19.74	19.59	19.63		
15	16QAM	36	0	19.67	19.62	19.66		
15	16QAM	36	20	19.52	19.80	19.56	21.5	0
15	16QAM	36	39	19.53	19.52	19.64		
15	16QAM	75	0	19.75	19.61	19.81		
15	64QAM	1	0	19.75	19.60	19.68	21.5	0
15	64QAM	1	37	19.51	19.70	19.51		
15	64QAM	1	74	19.62	19.55	19.62		
15	64QAM	36	0	19.65	19.69	19.71	21.5	0
15	64QAM	36	20	19.75	19.56	19.65		
15	64QAM	36	39	19.52	19.73	19.63		
15	64QAM	75	0	19.66	19.68	19.67		
15	256QAM	1	0	18.30	18.31	18.43	20	1.5
15	256QAM	1	37	18.30	18.38	18.29		
15	256QAM	1	74	18.39	18.31	18.20		
15	256QAM	36	0	18.14	18.19	18.12	20	1.5
15	256QAM	36	20	18.22	18.23	18.11		
15	256QAM	36	39	18.06	18.23	18.16		
15	256QAM	75	0	18.16	18.26	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.83	19.80	19.84	21.5	0
10	QPSK	1	25	19.64	19.59	19.69		
10	QPSK	1	49	19.77	19.64	19.53		
10	QPSK	25	0	19.55	19.61	19.67	21.5	0
10	QPSK	25	12	19.52	19.70	19.69		
10	QPSK	25	25	19.56	19.67	19.56		
10	QPSK	50	0	19.65	19.60	19.66		
10	16QAM	1	0	19.57	19.63	19.64	21.5	0
10	16QAM	1	25	19.79	19.82	19.55		
10	16QAM	1	49	19.59	19.63	19.56		
10	16QAM	25	0	19.60	19.63	19.61	21.5	0
10	16QAM	25	12	19.52	19.65	19.68		
10	16QAM	25	25	19.63	19.61	19.66		
10	16QAM	50	0	19.61	19.82	19.73		
10	64QAM	1	0	19.70	19.59	19.67	21.5	0
10	64QAM	1	25	19.54	19.81	19.57		
10	64QAM	1	49	19.56	19.70	19.53		
10	64QAM	25	0	19.52	19.62	19.59	21.5	0
10	64QAM	25	12	19.55	19.66	19.78		
10	64QAM	25	25	19.52	19.62	19.71		
10	64QAM	50	0	19.51	19.65	19.65		
10	256QAM	1	0	18.23	18.50	18.37	20	1.5
10	256QAM	1	25	18.32	18.42	18.27		
10	256QAM	1	49	18.37	18.40	18.25		
10	256QAM	25	0	18.22	18.24	18.22	20	1.5
10	256QAM	25	12	18.13	18.26	18.21		
10	256QAM	25	25	18.16	18.21	18.20		
10	256QAM	50	0	18.27	18.13	18.03		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.76	19.80	19.66	21.5	0
5	QPSK	1	12	19.81	19.80	19.76		
5	QPSK	1	24	19.68	19.62	19.64		
5	QPSK	12	0	19.55	19.72	19.55	21.5	0
5	QPSK	12	7	19.59	19.68	19.71		
5	QPSK	12	13	19.77	19.70	19.71		
5	QPSK	25	0	19.53	19.60	19.65		
5	16QAM	1	0	19.67	19.52	19.55	21.5	0
5	16QAM	1	12	19.66	19.67	19.76		
5	16QAM	1	24	19.66	19.69	19.61		
5	16QAM	12	0	19.56	19.55	19.77	21.5	0
5	16QAM	12	7	19.62	19.79	19.60		
5	16QAM	12	13	19.55	19.52	19.68		
5	16QAM	25	0	19.58	19.65	19.82		
5	64QAM	1	0	19.67	19.60	19.58	21.5	0
5	64QAM	1	12	19.56	19.70	19.50		
5	64QAM	1	24	19.78	19.51	19.72		
5	64QAM	12	0	19.56	19.55	19.63	21.5	0
5	64QAM	12	7	19.68	19.52	19.82		
5	64QAM	12	13	19.68	19.65	19.50		
5	64QAM	25	0	19.68	19.78	19.64		
5	256QAM	1	0	18.22	18.43	18.30	20	1.5
5	256QAM	1	12	18.40	18.42	18.34		
5	256QAM	1	24	18.35	18.27	18.28		
5	256QAM	12	0	18.14	18.40	18.24	20	1.5
5	256QAM	12	7	18.16	18.29	18.11		
5	256QAM	12	13	18.15	18.37	18.20		
5	256QAM	25	0	18.08	18.26	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.76	19.71	19.82	21.5	0
3	QPSK	1	8	19.76	19.68	19.66		
3	QPSK	1	14	19.65	19.79	19.62		
3	QPSK	8	0	19.62	19.69	19.74		
3	QPSK	8	4	19.63	19.60	19.51	21.5	0
3	QPSK	8	7	19.74	19.69	19.63		
3	QPSK	15	0	19.61	19.60	19.58		
3	16QAM	1	0	19.69	19.70	19.72		
3	16QAM	1	8	19.78	19.63	19.55	21.5	0
3	16QAM	1	14	19.74	19.68	19.62		
3	16QAM	8	0	19.60	19.53	19.61	21.5	0
3	16QAM	8	4	19.60	19.63	19.69		
3	16QAM	8	7	19.65	19.57	19.61		
3	16QAM	15	0	19.59	19.71	19.71		
3	64QAM	1	0	19.54	19.59	19.60	21.5	0
3	64QAM	1	8	19.61	19.59	19.64		
3	64QAM	1	14	19.64	19.63	19.56		
3	64QAM	8	0	19.72	19.64	19.60	21.5	0
3	64QAM	8	4	19.65	19.70	19.70		
3	64QAM	8	7	19.60	19.57	19.62		
3	64QAM	15	0	19.67	19.62	19.73		
3	256QAM	1	0	18.41	18.34	18.32	20	1.5
3	256QAM	1	8	18.43	18.36	18.27		
3	256QAM	1	14	18.19	18.33	18.29		
3	256QAM	8	0	18.22	18.35	18.28		
3	256QAM	8	4	18.15	18.31	18.13	20	1.5
3	256QAM	8	7	18.15	18.25	18.08		
3	256QAM	15	0	18.26	18.11	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.70	19.72	19.63		
1.4	QPSK	1	3	19.67	19.65	19.74	21.5	0
1.4	QPSK	1	5	19.70	19.61	19.51		
1.4	QPSK	3	0	19.60	19.69	19.60		
1.4	QPSK	3	1	19.68	19.62	19.64		
1.4	QPSK	3	3	19.56	19.66	19.60		
1.4	QPSK	6	0	19.55	19.66	19.68	21.5	0
1.4	16QAM	1	0	19.54	19.75	19.63		
1.4	16QAM	1	3	19.54	19.63	19.75		
1.4	16QAM	1	5	19.65	19.71	19.66	21.5	0
1.4	16QAM	3	0	19.74	19.62	19.61		
1.4	16QAM	3	1	19.69	19.57	19.68		
1.4	16QAM	3	3	19.64	19.59	19.66		
1.4	16QAM	6	0	19.60	19.68	19.84	21.5	0
1.4	64QAM	1	0	19.66	19.73	19.61	21.5	0
1.4	64QAM	1	3	19.64	19.81	19.55		
1.4	64QAM	1	5	19.60	19.66	19.65		
1.4	64QAM	3	0	19.55	19.68	19.51		
1.4	64QAM	3	1	19.67	19.59	19.72		
1.4	64QAM	3	3	19.62	19.68	19.59		
1.4	64QAM	6	0	19.52	19.71	19.74	21.5	0
1.4	256QAM	1	0	18.31	18.36	18.23	20	1.5
1.4	256QAM	1	3	18.32	18.30	18.33		
1.4	256QAM	1	5	18.25	18.17	18.16		
1.4	256QAM	3	0	18.35	18.29	18.28		
1.4	256QAM	3	1	18.35	18.24	18.43		
1.4	256QAM	3	3	18.17	18.43	18.14		
1.4	256QAM	6	0	18.33	18.35	18.39	20	1.5

Band 4 Ant3 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.42	20.47	20.42	22	0
20	QPSK	1	49	20.36	20.36	20.27		
20	QPSK	1	99	20.23	20.25	20.20		
20	QPSK	50	0	20.40	20.46	20.00		
20	QPSK	50	24	20.31	20.10	20.32	22	0
20	QPSK	50	50	20.41	20.04	20.39		
20	QPSK	100	0	20.30	20.37	20.35		
20	16QAM	1	0	20.26	20.16	20.11		
20	16QAM	1	49	20.11	20.11	20.09	22	0
20	16QAM	1	99	20.43	20.22	20.07		
20	16QAM	50	0	20.06	20.07	20.39		
20	16QAM	50	24	20.32	20.00	20.29	22	0
20	16QAM	50	50	20.03	20.40	20.04		
20	16QAM	100	0	20.04	20.41	20.31		
20	64QAM	1	0	20.11	20.23	20.15		
20	64QAM	1	49	20.40	20.17	20.28	22	0
20	64QAM	1	99	20.32	20.03	20.34		
20	64QAM	50	0	20.07	20.20	20.14		
20	64QAM	50	24	20.04	20.11	20.02	22	0
20	64QAM	50	50	20.05	20.16	20.07		
20	64QAM	100	0	20.06	20.14	20.06		
20	256QAM	1	0	18.23	18.39	18.36		
20	256QAM	1	49	18.24	18.30	18.22	20	2
20	256QAM	1	99	18.18	18.25	18.19		
20	256QAM	50	0	18.07	18.21	18.13		
20	256QAM	50	24	18.03	18.11	18.03	20	2
20	256QAM	50	50	18.05	18.17	18.10		
20	256QAM	100	0	18.06	18.10	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.31	20.43	20.37	22	0
15	QPSK	1	37	20.31	20.46	20.37		
15	QPSK	1	74	20.33	20.43	20.08		
15	QPSK	36	0	20.40	20.40	20.30	22	0
15	QPSK	36	20	20.02	20.29	20.34		
15	QPSK	36	39	20.41	20.38	20.39		
15	QPSK	75	0	20.40	20.01	20.44		
15	16QAM	1	0	20.29	20.38	20.18		
15	16QAM	1	37	20.06	20.16	20.09	22	0
15	16QAM	1	74	20.31	20.13	20.07		
15	16QAM	36	0	20.36	20.43	20.01		
15	16QAM	36	20	20.37	20.03	20.01	22	0
15	16QAM	36	39	20.37	20.42	20.41		
15	16QAM	75	0	20.11	20.33	20.38		
15	64QAM	1	0	20.00	20.24	20.05		
15	64QAM	1	37	20.17	20.16	20.03	22	0
15	64QAM	1	74	20.36	20.12	20.03		
15	64QAM	36	0	20.03	20.20	20.16		
15	64QAM	36	20	20.02	20.12	20.08	22	0
15	64QAM	36	39	20.12	20.16	20.10		
15	64QAM	75	0	20.00	20.15	20.12		
15	256QAM	1	0	18.21	18.30	18.28		
15	256QAM	1	37	18.23	18.21	18.29	20	2
15	256QAM	1	74	18.15	18.16	18.24		
15	256QAM	36	0	18.08	18.14	18.18		
15	256QAM	36	20	18.01	18.01	18.07	20	2
15	256QAM	36	39	18.07	18.17	18.10		
15	256QAM	75	0	18.06	18.08	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.45	20.41	20.44	22	0
10	QPSK	1	25	20.23	20.36	20.20		
10	QPSK	1	49	20.33	20.33	20.20		
10	QPSK	25	0	20.33	20.46	20.01		
10	QPSK	25	12	20.34	20.05	20.38	22	0
10	QPSK	25	25	20.37	20.42	20.04		
10	QPSK	50	0	20.42	20.07	20.29		
10	16QAM	1	0	20.14	20.25	20.14		
10	16QAM	1	25	20.16	20.15	20.09	22	0
10	16QAM	1	49	20.00	20.09	20.12		
10	16QAM	25	0	20.45	20.01	20.03		
10	16QAM	25	12	20.03	20.30	20.33	22	0
10	16QAM	25	25	20.44	20.45	20.03		
10	16QAM	50	0	20.44	20.29	20.20		
10	64QAM	1	0	20.13	20.14	20.07		
10	64QAM	1	25	20.09	20.09	20.02	22	0
10	64QAM	1	49	20.04	20.14	20.03		
10	64QAM	25	0	20.07	20.19	20.17		
10	64QAM	25	12	20.13	20.04	20.13	22	0
10	64QAM	25	25	20.10	20.08	20.13		
10	64QAM	50	0	20.12	20.16	20.07		
10	256QAM	1	0	18.28	18.32	18.26		
10	256QAM	1	25	18.30	18.21	18.31	20	2
10	256QAM	1	49	18.14	18.26	18.25		
10	256QAM	25	0	18.07	18.23	18.16		
10	256QAM	25	12	18.02	18.05	18.05	20	2
10	256QAM	25	25	18.06	18.15	18.17		
10	256QAM	50	0	18.04	18.05	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.46	20.28	20.24	22	0
5	QPSK	1	12	20.38	20.37	20.33		
5	QPSK	1	24	20.15	20.46	20.15		
5	QPSK	12	0	20.37	20.17	20.03	22	0
5	QPSK	12	7	20.03	20.36	20.40		
5	QPSK	12	13	20.37	20.42	20.45		
5	QPSK	25	0	20.39	20.12	20.38		
5	16QAM	1	0	20.25	20.17	20.05	22	0
5	16QAM	1	12	20.14	20.13	20.19		
5	16QAM	1	24	20.16	20.07	20.03		
5	16QAM	12	0	20.00	20.10	20.04		
5	16QAM	12	7	20.35	20.39	20.04	22	0
5	16QAM	12	13	20.44	20.43	20.45		
5	16QAM	25	0	20.00	20.44	20.28		
5	64QAM	1	0	20.02	20.14	20.17		
5	64QAM	1	12	20.13	20.10	20.28	22	0
5	64QAM	1	24	20.35	20.45	20.28		
5	64QAM	12	0	20.04	20.15	20.23		
5	64QAM	12	7	20.05	20.01	20.13	22	0
5	64QAM	12	13	20.04	20.11	20.16		
5	64QAM	25	0	20.04	20.09	20.12		
5	256QAM	1	0	18.22	18.33	18.24		
5	256QAM	1	12	18.24	18.25	18.22	20	2
5	256QAM	1	24	18.20	18.23	18.29		
5	256QAM	12	0	18.08	18.22	18.17		
5	256QAM	12	7	18.05	18.10	18.09	20	2
5	256QAM	12	13	18.00	18.12	18.15		
5	256QAM	25	0	18.07	18.11	18.10		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.46	20.39	20.34		
3	QPSK	1	8	20.29	20.45	20.29	22	0
3	QPSK	1	14	20.16	20.38	20.14		
3	QPSK	8	0	20.37	20.05	20.32		
3	QPSK	8	4	20.23	20.00	20.07	22	0
3	QPSK	8	7	20.34	20.29	20.17		
3	QPSK	15	0	20.21	20.02	20.38		
3	16QAM	1	0	20.26	20.25	20.10		
3	16QAM	1	8	20.23	20.26	20.04	22	0
3	16QAM	1	14	20.12	20.13	20.01		
3	16QAM	8	0	20.46	20.40	20.33		
3	16QAM	8	4	20.03	20.42	20.29	22	0
3	16QAM	8	7	20.43	20.00	20.36		
3	16QAM	15	0	20.36	20.07	20.39		
3	64QAM	1	0	20.11	20.19	20.04		
3	64QAM	1	8	20.28	20.06	20.46	22	0
3	64QAM	1	14	20.01	20.33	20.29		
3	64QAM	8	0	20.36	20.26	20.15		
3	64QAM	8	4	20.20	20.10	20.13	22	0
3	64QAM	8	7	20.21	20.11	20.15		
3	64QAM	15	0	20.21	20.11	20.08		
3	256QAM	1	0	18.40	18.30	18.26		
3	256QAM	1	8	18.42	18.32	18.23	20	2
3	256QAM	1	14	18.40	18.38	18.22		
3	256QAM	8	0	18.31	18.21	18.15		
3	256QAM	8	4	18.13	18.03	18.05	20	2
3	256QAM	8	7	18.21	18.11	18.10		
3	256QAM	15	0	18.07	18.03	18.01		
Channel				19907	20175	20443	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.28	20.39	20.35		
1.4	QPSK	1	3	20.27	20.21	20.33		
1.4	QPSK	1	5	20.17	20.45	20.10	22	0
1.4	QPSK	3	0	20.40	20.07	20.47		
1.4	QPSK	3	1	20.45	20.33	20.41		
1.4	QPSK	3	3	20.47	20.35	20.39		
1.4	QPSK	6	0	20.28	20.08	20.32	22	0
1.4	16QAM	1	0	20.23	20.19	20.24		
1.4	16QAM	1	3	20.20	20.19	20.12		
1.4	16QAM	1	5	20.35	20.06	20.14	22	0
1.4	16QAM	3	0	20.47	20.40	20.08		
1.4	16QAM	3	1	20.33	20.40	20.04		
1.4	16QAM	3	3	20.34	20.10	20.35		
1.4	16QAM	6	0	20.29	20.01	20.01	22	0
1.4	64QAM	1	0	20.09	20.05	20.17		
1.4	64QAM	1	3	20.46	20.03	20.29		
1.4	64QAM	1	5	20.46	20.09	20.09	22	0
1.4	64QAM	3	0	20.20	20.13	20.12		
1.4	64QAM	3	1	20.05	20.14	20.36		
1.4	64QAM	3	3	20.38	20.06	20.06		
1.4	64QAM	6	0	20.05	20.11	20.09	22	0
1.4	256QAM	1	0	18.22	18.29	18.20		
1.4	256QAM	1	3	18.22	18.23	18.22		
1.4	256QAM	1	5	18.14	18.17	18.14	20	2
1.4	256QAM	3	0	18.17	18.26	18.20		
1.4	256QAM	3	1	18.18	18.24	18.24		
1.4	256QAM	3	3	18.16	18.23	18.14		
1.4	256QAM	6	0	18.15	18.16	18.17	20	2

Band 7 Ant3 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.28	19.57	19.33		
20	QPSK	1	49	19.43	19.43	19.33	21	0
20	QPSK	1	99	19.15	19.45	19.53		
20	QPSK	50	0	19.18	19.45	19.40		
20	QPSK	50	24	19.44	19.27	19.43	21	0
20	QPSK	50	50	19.43	19.22	19.25		
20	QPSK	100	0	19.36	19.34	19.37		
20	16QAM	1	0	19.31	19.17	19.30		
20	16QAM	1	49	19.20	19.15	19.41	21	0
20	16QAM	1	99	19.26	19.29	19.18		
20	16QAM	50	0	19.41	19.33	19.30		
20	16QAM	50	24

Band 38 Ant3 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.12	19.15	19.13	20.5	0
20	QPSK	1	49	18.85	19.01	18.74		
20	QPSK	1	99	18.86	19.01	18.80		
20	QPSK	50	0	18.81	19.01	18.99	20.5	0
20	QPSK	50	24	18.83	18.84	18.82		
20	QPSK	50	50	18.92	18.78	18.58		
20	QPSK	100	0	18.83	19.00	18.70		
20	16QAM	1	0	18.78	18.65	18.90	20.5	0
20	16QAM	1	49	18.56	18.63	18.84		
20	16QAM	1	99	19.10	18.88	18.89		
20	16QAM	50	0	18.78	18.80	18.99	20.5	0
20	16QAM	50	24	18.76	19.03	18.59		
20	16QAM	50	50	18.50	18.71	18.81		
20	16QAM	100	0	18.75	18.95	19.07		
20	64QAM	1	0	18.53	18.98	18.90	20.5	0
20	64QAM	1	49	18.79	18.80	18.71		
20	64QAM	1	99	18.93	18.90	18.96		
20	64QAM	50	0	18.80	18.91	18.80	20.5	0
20	64QAM	50	24	18.58	18.61	18.91		
20	64QAM	50	50	18.85	18.59	18.56		
20	64QAM	100	0	18.62	18.79	19.08		
20	256QAM	1	0	18.36	18.45	18.23	20	0.5
20	256QAM	1	49	18.36	18.34	18.23		
20	256QAM	1	99	18.29	18.35	18.22		
20	256QAM	50	0	18.18	18.27	18.22	20	0.5
20	256QAM	50	24	18.12	18.20	18.17		
20	256QAM	50	50	18.20	18.22	18.19		
20	256QAM	100	0	18.16	18.32	18.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.86	19.05	19.02	20.5	0
15	QPSK	1	37	18.86	18.89	18.66		
15	QPSK	1	74	18.94	19.02	18.81		
15	QPSK	36	0	18.63	19.03	19.00	20.5	0
15	QPSK	36	20	18.50	18.95	18.80		
15	QPSK	36	39	18.71	18.72	18.76		
15	QPSK	75	0	18.96	18.68	18.80		
15	16QAM	1	0	18.82	18.79	18.88	20.5	0
15	16QAM	1	37	18.65	18.58	18.99		
15	16QAM	1	74	18.89	18.91	18.83		
15	16QAM	36	0	18.97	18.77	19.13	20.5	0
15	16QAM	36	20	18.85	18.95	18.99		
15	16QAM	36	39	19.12	18.66	18.76		
15	16QAM	75	0	18.70	19.04	18.96		
15	64QAM	1	0	18.66	19.01	18.98	20.5	0
15	64QAM	1	37	18.73	18.78	18.88		
15	64QAM	1	74	18.79	18.95	18.79		
15	64QAM	36	0	18.91	18.90	18.78	20.5	0
15	64QAM	36	20	18.75	18.61	18.86		
15	64QAM	36	39	18.82	18.68	18.50		
15	64QAM	75	0	18.54	18.80	18.95		
15	256QAM	1	0	18.30	18.31	18.11	20	0.5
15	256QAM	1	37	18.29	18.30	18.16		
15	256QAM	1	74	18.19	18.22	18.14		
15	256QAM	36	0	18.14	18.14	18.12	20	0.5
15	256QAM	36	20	18.08	18.16	18.10		
15	256QAM	36	39	18.19	18.08	18.14		
15	256QAM	75	0	18.04	18.26	18.19		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.95	19.03	18.94	20.5	0
10	QPSK	1	25	18.85	18.85	18.62		
10	QPSK	1	49	18.83	18.84	18.75		
10	QPSK	25	0	18.71	18.97	18.86	20.5	0
10	QPSK	25	12	18.95	18.84	18.90		
10	QPSK	25	25	18.93	18.71	18.74		
10	QPSK	50	0	18.94	18.67	18.66		
10	16QAM	1	0	18.70	18.82	18.80	20.5	0
10	16QAM	1	25	18.51	18.63	18.98		
10	16QAM	1	49	19.04	18.85	18.78		
10	16QAM	25	0	18.89	18.88	19.08	20.5	0
10	16QAM	25	12	18.67	18.88	18.55		
10	16QAM	25	25	18.51	18.73	18.78		
10	16QAM	50	0	18.62	19.09	18.92		
10	64QAM	1	0	18.59	18.87	18.87	20.5	0
10	64QAM	1	25	18.80	18.80	18.87		
10	64QAM	1	49	18.80	18.83	18.84		
10	64QAM	25	0	18.91	18.86	18.60	20.5	0
10	64QAM	25	12	18.59	18.74	18.80		
10	64QAM	25	25	18.83	19.01	18.50		
10	64QAM	50	0	18.60	18.79	19.06		
10	256QAM	1	0	18.23	18.35	18.17	20	0.5
10	256QAM	1	25	18.25	18.25	18.11		
10	256QAM	1	49	18.18	18.26	18.16		
10	256QAM	25	0	18.11	18.23	18.14	20	0.5
10	256QAM	25	12	18.08	18.12	18.10		
10	256QAM	25	25	18.16	18.17	18.08		
10	256QAM	50	0	18.11	18.28	18.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.77	19.14	18.95	20.5	0
5	QPSK	1	12	18.98	18.87	18.80		
5	QPSK	1	24	18.82	18.80	18.69		
5	QPSK	12	0	18.80	18.92	18.84	20.5	0
5	QPSK	12	7	18.54	18.94	18.98		
5	QPSK	12	13	18.74	18.66	18.68		
5	QPSK	25	0	18.56	18.67	18.77		
5	16QAM	1	0	18.86	18.76	18.99	20.5	0
5	16QAM	1	12	18.54	19.03	18.86		
5	16QAM	1	24	18.96	18.79	18.72		
5	16QAM	12	0	18.84	18.79	19.14	20.5	0
5	16QAM	12	7	18.84	18.92	18.93		
5	16QAM	12	13	18.54	18.80	18.72		
5	16QAM	25	0	18.74	18.93	19.11		
5	64QAM	1	0	19.05	18.84	19.03	20.5	0
5	64QAM	1	12	18.86	18.74	18.90		
5	64QAM	1	24	18.89	18.91	18.87		
5	64QAM	12	0	18.91	18.85	18.65	20.5	0
5	64QAM	12	7	18.68	18.68	18.91		
5	64QAM	12	13	18.80	18.54	18.52		
5	64QAM	25	0	18.67	18.84	18.91		
5	256QAM	1	0	18.32	18.35	18.15	20	0.5
5	256QAM	1	12	18.31	18.31	18.18		
5	256QAM	1	24	18.23	18.32	18.19		
5	256QAM	12	0	18.12	18.15	18.14	20	0.5
5	256QAM	12	7	18.04	18.18	18.07		
5	256QAM	12	13	18.10	18.09	18.12		
5	256QAM	25	0	18.02	18.20	18.21		

Band 41 Ant3 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.78	18.99	19.17	19.05	19.11	20.5	0
20	QPSK	1	49	19.02	18.96	18.69	18.70	18.87		
20	QPSK	1	99	18.97	18.85	18.89	18.84	18.99		
20	QPSK	50	0	18.76	18.87	19.15	18.95	18.92	20.5	0
20	QPSK	50	24	19.01	19.06	18.82	18.83	18.92		
20	QPSK	50	50	18.80	18.77	18.72	18.77	18.72		
20	QPSK	100	0	19.10	18.79	19.13	18.70	18.88		
20	16QAM	1	0	18.86	18.69	18.85	19.01	18.68	20.5	0
20	16QAM	1	49	18.56	18.50	18.80	18.96	18.67		
20	16QAM	1	99	19.02	18.94	18.77	18.76	18.96		
20	16QAM	50	0	18.97	18.82	19.03	19.10	18.80	20.5	0
20	16QAM	50	24	18.84	18.91	18.51	19.00	19.01		
20	16QAM	50	50	19.02	18.72	18.82	18.83	18.76		
20	16QAM	100	0	18.83	18.93	18.91	18.91	18.99		
20	64QAM	1	0	18.52	18.93	19.00	18.98	19.01	20.5	0
20	64QAM	1	49	18.88	18.64	18.77	18.86	18.73		
20	64QAM	1	99	18.90	18.91	18.84	18.77	18.93		
20	64QAM	50	0	18.97	18.86	18.80	18.75	18.94	20.5	0
20	64QAM	50	24	18.76	18.68	18.87	18.87	18.63		
20	64QAM	50	50	18.88	18.61	18.99	18.99	18.51		
20	64QAM	100	0	18.56	18.70	18.98	18.98	18.90		
20	256QAM	1	0	18.27	18.41	18.54	18.34	18.25	20	0.5
20	256QAM	1	49	18.25	18.46	18.39	18.34	18.31		
20	256QAM	1	99	18.14	18.40	18.46	18.27	18.15		
20	256QAM	50	0	18.27	18.22	18.32	18.31	18.23	20	0.5
20	256QAM	50	24	18.24	18.19	18.24	18.28	18.21		
20	256QAM	50	50	18.16	18.30	18.27	18.20	18.11		
20	256QAM	100	0	18.30	18.17	18.32	18.36	18.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.80	19.16	19.03	19.16	19.04	21	0
15	QPSK	1	37	18.82	18.82	18.64	18.65	18.84		
15	QPSK	1	74	18.93	19.02	18.87	18.84	18.83		
15	QPSK	36	0	18.83	18.93	18.83	18.99	18.92	20.5	0
15	QPSK	36	20	19.06	18.91	18.85	18.94	18.97		
15	QPSK	36	39	18.72	18.57	18.69	18.71	18.75		
15	QPSK	75	0	18.52	18.77	18.67	18.59	18.79		
15	16QAM	1	0	18.79	18.66	18.90	18.92	18.66	20.5	0
15	16QAM	1	37	18.56	18.68	18.84	18.88	18.64		
15	16QAM	1	74	18.99	18.91	18.83	18.73	18.95		
15	16QAM	36	0	18.91	18.87	19.13	19.02	18.68	20.5	0
15	16QAM	36	20	18.76	18.86	19.09	19.07	19.08		
15	16QAM	36	39	18.56	18.82	18.72	18.91	18.77		
15	16QAM	75	0	18.75	19.10	18.92	18.99	19.01		
15	64QAM	1	0	18.62	18.96	19.06	18.97	18.88	20.5	0
15	64QAM	1	37	18.84	18.64	18.82	18.86	18.72		
15	64QAM	1	74	18.88	18.77	18.98	18.95	18.80		
15	64QAM	36	0	18.93	18.85	18.64	18.76	18.96	20.5	0
15	64QAM	36	20	18.69	18.75	18.90	18.87	18.68		
15	64QAM	36	39	18.85	18.60	18.57	18.58	18.57		
15	64QAM	75	0	18.75	18.85	19.02	18.98	18.69		
15	256QAM	1	0	18.20	18.33	18.50	18.28	18.19	20	0.5
15	256QAM	1	37	18.13	18.42	18.24	18.28	18.20		
15	256QAM	1	74	18.10	18.32	18.41	18.18	18.10		
15	256QAM	36	0	18.21	18.12	18.25	18.24	18.13	20	0.5
15	256QAM	36	20	18.12	18.09	18.16	18.21	18.12		
15	256QAM	36	39	18.01	18.20	18.22	18.06	18.08		
15	256QAM	75	0	18.23	18.13	18.22	18.33	18.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.79	19.12	19.06	18.99	19.12	21	0
10	QPSK	1	25	18.90	18.87	18.67	18.76	18.93		
10	QPSK	1	49	18.84	18.87	18.88	18.69	18.86		
10	QPSK	25	0	18.75	18.97	18.94	18.90	19.05	20.5	0
10	QPSK	25	12	19.09	18.93	18.84	18.78	19.01		
10	QPSK	25	25	18.85	18.69	18.69	18.72	18.75		
10	QPSK	50	0	18.65	18.88	18.58	18.68	18.75		
10	16QAM	1	0	18.66	18.76	18.87	18.88	18.66	20.5	0
10	16QAM	1	25	18.94	18.52	19.03	18.88	19.01		
10	16QAM	1	49	18.87	18.84	18.70	18.79	18.89		
10	16QAM	25	0	18.80	18.77	19.05	19.01	18.78	20.5	0
10	16QAM	25	12	18.78	18.97	19.01	19.02	18.89		
10	16QAM	25	25	19.08	18.86	18.86	18.79	18.68		
10	16QAM	50	0	18.74	18.97	19.04	18.92	18.94		
10	64QAM	1	0	18.93	19.01	18.88	19.06	18.90	20.5	0
10	64QAM	1	25	18.91	18.81	18.72	18.76	18.83		
10	64QAM	1	49	18.89	18.94	18.86	18.89	18.98		
10	64QAM	25	0	18.95	18.97	18.69	18.78	18.92	20.5	0
10	64QAM	25	12	18.55	18.76	18.78	18.96	18.56		
10	64QAM	25	25	18.88	18.64	19.05	19.13	18.51		
10	64QAM	50	0	18.59	18.73	18.90	19.02	18.88		
10	256QAM	1	0	18.22	18.30	18.47	18.24	18.10	20	0.5
10	256QAM	1	25	18.12	18.31	18.31	18.29	18.24		
10	256QAM	1	49	18.01	18.33	18.40	18.14	18.06		
10	256QAM	25	0	18.21	18.15	18.21	18.22	18.11	20	0.5
10	256QAM	25	12	18.14	18.15	18.12	18.23	18.09		
10	256QAM	25	25	18.09	18.16	18.17	18.09	18.04		
10	256QAM	50	0	18.17	18.08	18.19	18.23	18.22		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.85	18.99	19.16	18.96	19.00	21	0
5	QPSK	1	12	18.98	18.99	18.65	18.69	19.00		
5	QPSK	1	24	18.86	18.91	18.88	18.75	18.99		
5	QPSK	12	0	18.84	18.96	18.84	18.79	18.94	20.5	0
5	QPSK	12	7	18.58	19.03	18.77	18.97	18.92		
5	QPSK	12	13	18.71	18.71	18.78	18.79	18.61		
5	QPSK	25	0	19.03	18.81	18.80	18.69	18.67		
5	16QAM	1	0	18.81	18.70	18.89	18.91	18.83	20.5	0
5	16QAM	1	12	18.94	19.05	18.84	18.86	18.55		
5	16QAM	1	24	19.10	18.91	18.89	18.75	18.96		
5	16QAM	12	0	18.77	18.71	18.95	19.01	18.84	20.5	0
5	16QAM	12	7	18.79	19.02	19.05	18.61	18.98		
5	16QAM	12	13	18.66	18.74	18.72	18.80	18.66		
5	16QAM	25	0	18.80	18.98	19.01	19.03	19.06		
5	64QAM	1	0	19.00	18.92	18.84	18.97	19.03	20.5	0
5	64QAM	1	12	18.92	18.81	18.78	18.76	18.62		
5	64QAM	1	24	18.86	18.81	18.93	18.97	18.82		
5	64QAM	12	0	18.78	18.85	18.82	18.75	18.96	20.5	0
5	64QAM	12	7	18.57	18.65	18.82	18.95	18.69		
5	64QAM	12	13	18.79	18.58	18.56	18.62	18.62		
5	64QAM	25	0	18.59	18.78	18.90	18.94	18.88		
5	256QAM	1	0	18.21	18.27	18.46	18.29	18.11	20	0.5
5	256QAM	1	12	18.13	18.42	18.36	18.28	18.27		
5	256QAM	1	24	18.06	18.33	18.32	18.15	18.02		
5	256QAM	12	0	18.21	18.09	18.21	18.16	18.13	20	0.5
5	256QAM	12	7	18.19	18.09	18.11	18.25	18.09		
5	256QAM	12	13	18.12	18.21	18.14	18.12	18.05		
5	256QAM	25	0	18.16	18.03	18.28	18.21	18.15		

WCDMA IV Ant4 DSI5

Band		WCDMA IV Ant4			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.04	18.10	18.10	20.00
3GPP Rel 99	RMC 12.2Kbps	18.22	18.33	18.05	20.00
3GPP Rel 6	HSDPA Subtest-1	17.21	17.21	17.34	19.00
3GPP Rel 6	HSDPA Subtest-2	17.10	17.29	17.25	19.00
3GPP Rel 6	HSDPA Subtest-3	16.66	16.76	16.59	18.50
3GPP Rel 6	HSDPA Subtest-4	16.55	16.73	16.72	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.22	17.23	17.19	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.13	17.16	17.15	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.62	16.79	16.55	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.57	16.74	16.56	18.50
3GPP Rel 6	HSUPA Subtest-1	17.13	17.15	17.12	19.00
3GPP Rel 6	HSUPA Subtest-2	15.12	15.28	15.19	17.00
3GPP Rel 6	HSUPA Subtest-3	16.19	16.22	16.26	18.00
3GPP Rel 6	HSUPA Subtest-4	15.19	15.14	15.18	17.00
3GPP Rel 6	HSUPA Subtest-5	17.00	17.20	17.14	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.81	14.93	14.72	16.50

Band 4 Ant4 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.27	18.31	18.25	20	0
20	QPSK	1	49	18.06	18.07	18.17		
20	QPSK	1	99	18.21	18.18	18.02		
20	QPSK	50	0	18.14	18.21	18.13	20	0
20	QPSK	50	24	18.05	18.18	18.10		
20	QPSK	50	50	18.15	18.09	18.04		
20	QPSK	100	0	18.03	18.15	18.10		
20	16QAM	1	0	18.08	18.03	18.14	20	0
20	16QAM	1	49	18.02	18.03	18.16		
20	16QAM	1	99	18.12	18.19	18.06		
20	16QAM	50	0	18.03	18.11	18.20	20	0
20	16QAM	50	24	18.09	18.02	18.08		
20	16QAM	50	50	18.06	18.04	18.09		
20	16QAM	100	0	18.07	18.27	18.27		
20	64QAM	1	0	18.07	18.18	18.15	20	0
20	64QAM	1	49	18.05	18.09	18.10		
20	64QAM	1	99	18.17	18.09	18.13		
20	64QAM	50	0	18.08	18.08	18.03	20	0
20	64QAM	50	24	18.06	18.12	18.23		
20	64QAM	50	50	18.01	18.10	18.11		
20	64QAM	100	0	18.06	18.08	18.19		
20	256QAM	1	0	18.06	18.03	18.13	20	0
20	256QAM	1	49	18.12	18.07	18.00		
20	256QAM	1	99	18.21	18.13	18.11		
20	256QAM	50	0	18.04	18.10	18.05	20	0
20	256QAM	50	24	18.05	18.20	18.07		
20	256QAM	50	50	18.08	18.15	18.17		
20	256QAM	100	0	18.11	18.03	18.10		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.00	18.30	18.03	20	0
15	QPSK	1	37	18.05	18.10	18.11		
15	QPSK	1	74	18.12	18.07	18.09		
15	QPSK	36	0	18.00	18.15	18.07	20	0
15	QPSK	36	20	18.13	18.00	18.11		
15	QPSK	36	39	18.17	18.15	18.12		
15	QPSK	75	0	18.15	18.25	18.10		
15	16QAM	1	0	18.04	18.21	18.09	20	0
15	16QAM	1	37	18.03	18.14	18.11		
15	16QAM	1	74	18.20	18.26	18.06		
15	16QAM	36	0	18.09	18.15	18.30	20	0
15	16QAM	36	20	18.10	18.22	18.03		
15	16QAM	36	39	18.17	18.28	18.05		
15	16QAM	75	0	18.13	18.18	18.23		
15	64QAM	1	0	18.17	18.18	18.04	20	0
15	64QAM	1	37	18.10	18.12	18.24		
15	64QAM	1	74	18.02	18.17	18.17		
15	64QAM	36	0	18.07	18.24	18.03	20	0
15	64QAM	36	20	18.01	18.15	18.08		
15	64QAM	36	39	18.11	18.18	18.21		
15	64QAM	75	0	18.18	18.28	18.05		
15	256QAM	1	0	18.10	18.11	18.19	20	0
15	256QAM	1	37	18.11	18.29	18.21		
15	256QAM	1	74	18.09	18.30	18.16		
15	256QAM	36	0	18.05	18.29	18.06	20	0
15	256QAM	36	20	18.02	18.11	18.25		
15	256QAM	36	39	18.19	18.29	18.15		
15	256QAM	75	0	18.22	18.11	18.17		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.20	18.10	18.03	20	0
10	QPSK	1	25	18.10	18.30	18.13		
10	QPSK	1	49	18.19	18.29	18.06		
10	QPSK	25	0	18.04	18.27	18.07	20	0
10	QPSK	25	12	18.21	18.29	18.23		
10	QPSK	25	25	18.19	18.02	18.04		
10	QPSK	50	0	18.21	18.25	18.09		
10	16QAM	1	0	18.19	18.14	18.10	20	0
10	16QAM	1	25	18.01	18.21	18.24		
10	16QAM	1	49	18.10	18.11	18.01		
10	16QAM	25	0	18.06	18.01	18.17	20	0
10	16QAM	25	12	18.05	18.30	18.09		
10	16QAM	25	25	18.18	18.22	18.22		
10	16QAM	50	0	18.01	18.09	18.20		
10	64QAM	1	0	18.10	18.20	18.08	20	0
10	64QAM	1	25	18.15	18.29	18.26		
10	64QAM	1	49	18.12	18.22	18.24		
10	64QAM	25	0	18.19	18.26	18.04	20	0
10	64QAM	25	12	18.19	18.11	18.04		
10	64QAM	25	25	18.12	18.11	18.24		
10	64QAM	50	0	18.02	18.18	18.05		
10	256QAM	1	0	18.19	18.23	18.21	20	0
10	256QAM	1	25	18.11	18.14	18.08		
10	256QAM	1	49	18.02	18.27	18.19		
10	256QAM	25	0	18.00	18.00	18.08	20	0
10	256QAM	25	12	18.18	18.11	18.06		
10	256QAM	25	25	18.07	18.23	18.08		
10	256QAM	50	0	18.15	18.14	18.09		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.18	18.29	18.02	20	0
5	QPSK	1	12	18.19	18.10	18.10		
5	QPSK	1	24	18.17	18.15	18.23		
5	QPSK	12	0	18.06	18.19	18.18	20	0
5	QPSK	12	7	18.13	18.29	18.11		
5	QPSK	12	13	18.19	18.14	18.21		
5	QPSK	25	0	18.10	18.17	18.06		
5	16QAM	1	0	18.22	18.24	18.15	20	0
5	16QAM	1	12	18.01	18.11	18.16		
5	16QAM	1	24	18.14	18.15	18.20		
5	16QAM	12	0	18.21	18.06	18.25	20	0
5	16QAM	12	7	18.06	18.27	18.12		
5	16QAM	12	13	18.09	18.16	18.16		
5	16QAM	25	0	18.06	18.29	18.06		
5	64QAM	1	0	18.05	18.15	18.25	20	0
5	64QAM	1	12	18.22	18.21	18.22		
5	64QAM	1	24	18.22	18.22	18.22		
5	64QAM	12	0	18.21	18.12	18.15	20	0
5	64QAM	12	7	18.06	18.29	18.16		
5	64QAM	12	13	18.01	18.26	18.14		
5	64QAM	25	0	18.06	18.26	18.10		
5	256QAM	1	0	18.01	18.15	18.14	20	0
5	256QAM	1	12	18.22	18.20	18.02		
5	256QAM	1	24	18.03	18.27	18.08		
5	256QAM	12	0	18.11	18.10	18.05	20	0
5	256QAM	12	7	18.17	18.01	18.21		
5	256QAM	12	13	18.01	18.10	18.13		
5	256QAM	25	0	18.07	18.14	18.21		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.18	18.15	18.02	20	0
3	QPSK	1	8	18.04	18.20	18.01		
3	QPSK	1	14	18.12	18.26	18.26		
3	QPSK	8	0	18.16	18.25	18.14	20	0
3	QPSK	8	4	18.05	18.15	18.06		
3	QPSK	8	7	18.19	18.27	18.19		
3	QPSK	15	0	18.00	18.28	18.21		
3	16QAM	1	0	18.00	18.00	18.22	20	0
3	16QAM	1	8	18.04	18.21	18.23		
3	16QAM	1	14	18.09	18.24	18.03		
3	16QAM	8	0	18.02	18.16	18.09	20	0
3	16QAM	8	4	18.05	18.28	18.24		
3	16QAM	8	7	18.19	18.30	18.10		
3	16QAM	15	0	18.00	18.14	18.10		
3	64QAM	1	0	18.05	18.13	18.09	20	0
3	64QAM	1	8	18.00	18.18	18.11		
3	64QAM	1	14	18.04	18.07	18.16		
3	64QAM	8	0	18.20	18.19	18.13	20	0
3	64QAM	8	4	18.15	18.14	18.07		
3	64QAM	8	7	18.04	18.19	18.25		
3	64QAM	15	0	18.20	18.18	18.10		
3	256QAM	1	0	18.09	18.12	18.19	20	0
3	256QAM	1	8	18.20	18.17	18.05		
3	256QAM	1	14	18.19	18.09	18.04		
3	256QAM	8	0	18.20	18.30	18.15	20	0
3	256QAM	8	4	18.04	18.29	18.04		
3	256QAM	8	7	18.15	18.18	18.14		
3	256QAM	15	0	18.09	18.23	18.06		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710	1732.5	1754.3		
1.4	QPSK	1	0	18.05	18.16	18.10	20	0
1.4	QPSK	1	3	18.18	18.13	18.16		
1.4	QPSK	1	5	18.01	18.08	18.25		
1.4	QPSK	3	0	18.09	18.30	18.19		
1.4	QPSK	3	1	18.06	18.26	18.12		
1.4	QPSK	3	3	18.17	18.13	18.16		
1.4	QPSK	6	0	18.16	18.30	18.20	20	0
1.4	16QAM	1	0	18.05	18.13	18.25	20	0
1.4	16QAM	1	3	18.08	18.29	18.18		
1.4	16QAM	1	5	18.02	18.29	18.07		
1.4	16QAM	3	0	18.20	18.18	18.23		
1.4	16QAM	3	1	18.18	18.16	18.26		
1.4	16QAM	3	3	18.10	18.25	18.05		
1.4	16QAM	6	0	18.11	18.21	18.19	20	0
1.4	64QAM	1	0	18.21	18.08	18.06	20	0
1.4	64QAM	1	3	18.07	18.26	18.04		
1.4	64QAM	1	5	18.21	18.10	18.15		
1.4	64QAM	3	0	18.03	18.10	18.23		
1.4	64QAM	3	1	18.00	18.28	18.16		
1.4	64QAM	3	3	18.04	18.25	18.06		
1.4	64QAM	6	0	18.05	18.16	18.04	20	0
1.4	256QAM	1	0	18.09	18.27	18.26	20	0
1.4	256QAM	1	3	18.03	18.08	18.08		
1.4	256QAM	1	5	18.12	18.26	18.13		
1.4	256QAM	3	0	18.12	18.09	18.07		
1.4	256QAM	3	1	18.15	18.11	18.19		
1.4	256QAM	3	3	18.07	18.24	18.03		
1.4	256QAM	6	0	18.05	18.18	18.05	20	0

Band 7 Ant4 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.56	18.77	18.75	20	0
20	QPSK	1	49	18.62	18.62	18.43		
20	QPSK	1	99	18.56	18.61	18.48		
20	QPSK	50	0	18.45	18.65	18.59	20	0
20	QPSK	50	24	18.17	18.64	18.58		
20	QPSK	50	50	18.52	18.38	18.37		
20	QPSK	100	0	18.24	18.47	18.40		
20	16QAM	1	0	18.45	18.42	18.60	20	0
20	16QAM	1	49	18.25	18.28	18.61		
20	16QAM	1	99	18.69	18.58	18.49		
20	16QAM	50	0	18.58	18.46	18.75	20	0
20	16QAM	50	24	18.46	18.67	18.20		
20	16QAM	50	50	18.27	18.45	18.50		
20	16QAM	100	0	18.42	18.71	18.72		
20	64QAM	1	0	18.25	18.64	18.66	20	0
20	64QAM	1	49	18.53	18.42	18.49		
20	64QAM	1	99	18.56	18.57	18.58		
20	64QAM	50	0	18.60	18.58	18.41	20	0
20	64QAM	50	24	18.36	18.34	18.57		
20	64QAM	50	50	18.55	18.27	18.23		
20	64QAM	100	0	18.35	18.50	18.71		
20	256QAM	1	0	18.38	18.60	18.41	20	0
20	256QAM	1	49	18.67	18.74	18.44		
20	256QAM	1	99	18.28	18.56	18.68		
20	256QAM	50	0	18.47	18.33	18.74	20	0
20	256QAM	50	24	18.59	18.47	18.53		
20	256QAM	50	50	18.46	18.74	18.37		
20	256QAM	100	0	18.46	18.62	18.56		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.58	18.72	18.70	20	0
15	QPSK	1	37	18.75	18.61	18.52		
15	QPSK	1	74	18.45	18.45	18.56		
15	QPSK	36	0	18.41	18.56	18.49	20	0
15	QPSK	36	20	18.06	18.49	18.61		
15	QPSK	36	39	18.56	18.35	18.57		
15	QPSK	75	0	18.29	18.49	18.25		
15	16QAM	1	0	18.45	18.51	18.65	20	0
15	16QAM	1	37	18.31	18.32	18.66		
15	16QAM	1	74	18.64	18.59	18.33		
15	16QAM	36	0	18.51	18.60	18.72	20	0
15	16QAM	36	20	18.47	18.56	18.31		
15	16QAM	36	39	18.38	18.59	18.46		
15	16QAM	75	0	18.33	18.71	18.60		
15	64QAM	1	0	18.37	18.52	18.60	20	0
15	64QAM	1	37	18.48	18.61	18.56		
15	64QAM	1	74	18.60	18.37	18.67		
15	64QAM	36	0	18.55	18.73	18.35	20	0
15	64QAM	36	20	18.51	18.19	18.69		
15	64QAM	36	39	18.44	18.37	18.45		
15	64QAM	75	0	18.36	18.31	18.69		
15	256QAM	1	0	18.42	18.60	18.51	20	0
15	256QAM	1	37	18.62	18.58	18.45		
15	256QAM	1	74	18.30	18.66	18.62		
15	256QAM	36	0	18.52	18.34	18.71	20	0
15	256QAM	36	20	18.54	18.46	18.59		
15	256QAM	36	39	18.54	18.74	18.56		
15	256QAM	75	0	18.46	18.59	18.67		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.52	18.63	18.63	20	0
10	QPSK	1	25	18.55	18.49	18.61		
10	QPSK	1	49	18.44	18.61	18.58		
10	QPSK	25	0	18.52	18.74	18.60	20	0
10	QPSK	25	12	18.20	18.50	18.41		
10	QPSK	25	25	18.56	18.47	18.52		
10	QPSK	50	0	18.32	18.47	18.32		
10	16QAM	1	0	18.50	18.58	18.49	20	0
10	16QAM	1	25	18.30	18.34	18.69		
10	16QAM	1	49	18.68	18.65	18.34		
10	16QAM	25	0	18.48	18.61	18.68	20	0
10	16QAM	25	12	18.59	18.67	18.37		
10	16QAM	25	25	18.35	18.39	18.39		
10	16QAM	50	0	18.53	18.64	18.74		
10	64QAM	1	0	18.29	18.56	18.68	20	0
10	64QAM	1	25	18.32	18.56	18.48		
10	64QAM	1	49	18.58	18.58	18.60		
10	64QAM	25	0	18.64	18.67	18.35	20	0
10	64QAM	25	12	18.44	18.20	18.58		
10	64QAM	25	25	18.60	18.26	18.41		
10	64QAM	50	0	18.34	18.38	18.67		
10	256QAM	1	0	18.41	18.65	18.44	20	0
10	256QAM	1	25	18.59	18.75	18.57		
10	256QAM	1	49	18.33	18.54	18.75		
10	256QAM	25	0	18.32	18.35	18.62	20	0
10	256QAM	25	12	18.52	18.65	18.53		
10	256QAM	25	25	18.44	18.66	18.48		
10	256QAM	50	0	18.41	18.50	18.72		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.50	18.60	18.69	20	0
5	QPSK	1	12	18.53	18.49	18.56		
5	QPSK	1	24	18.59	18.63	18.56		
5	QPSK	12	0	18.51	18.62	18.55	20	0
5	QPSK	12	7	18.13	18.47	18.56		
5	QPSK	12	13	18.73	18.50	18.40		
5	QPSK	25	0	18.22	18.34	18.24		
5	16QAM	1	0	18.51	18.46	18.55	20	0
5	16QAM	1	12	18.29	18.46	18.61		
5	16QAM	1	24	18.58	18.53	18.52		
5	16QAM	12	0	18.50	18.50	18.73	20	0
5	16QAM	12	7	18.41	18.66	18.37		
5	16QAM	12	13	18.16	18.38	18.36		
5	16QAM	25	0	18.51	18.66	18.61		
5	64QAM	1	0	18.30	18.51	18.53	20	0
5	64QAM	1	12	18.46	18.49	18.52		
5	64QAM	1	24	18.55	18.38	18.59		
5	64QAM	12	0	18.53	18.54	18.41	20	0
5	64QAM	12	7	18.53	18.20	18.65		
5	64QAM	12	13	18.42	18.40	18.37		
5	64QAM	25	0	18.33	18.32	18.52		
5	256QAM	1	0	18.35	18.64	18.49	20	0
5	256QAM	1	12	18.66	18.57	18.46		
5	256QAM	1	24	18.41	18.49	18.55		
5	256QAM	12	0	18.53	18.29	18.63	20	0
5	256QAM	12	7	18.50	18.42	18.57		
5	256QAM	12	13	18.65	18.59	18.41		
5	256QAM	25	0	18.32	18.63	18.58		

Band 66 Ant4 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.48	18.55	18.53	20	0
20	QPSK	1	49	18.53	18.38	18.48		
20	QPSK	1	99	18.29	18.25	18.46		
20	QPSK	50	0	18.51	18.53	18.48	20	0
20	QPSK	50	24	18.41	18.39	18.36		
20	QPSK	50	50	18.45	18.20	18.37		
20	QPSK	100	0	18.40	18.41	18.33		
20	16QAM	1	0	18.25	18.20	18.33	20	0
20	16QAM	1	49	18.16	18.15	18.46		
20	16QAM	1	99	18.38	18.36	18.22		
20	16QAM	50	0	18.51	18.36	18.44	20	0
20	16QAM	50	24	18.34	18.52	18.46		
20	16QAM	50	50	18.13	18.41	18.16		
20	16QAM	100	0	18.16	18.46	18.42		
20	64QAM	1	0	18.27	18.49	18.36	20	0
20	64QAM	1	49	18.32	18.26	18.40		
20	64QAM	1	99	18.44	18.21	18.27		
20	64QAM	50	0	18.41	18.37	18.13	20	0
20	64QAM	50	24	18.33	18.03	18.41		
20	64QAM	50	50	18.33	18.19	18.08		
20	64QAM	100	0	18.29	18.11	18.54		
20	256QAM	1	0	18.30	18.44	18.31	20	0
20	256QAM	1	49	18.39	18.53	18.41		
20	256QAM	1	99	18.53	18.53	18.35		
20	256QAM	50	0	18.22	18.16	18.44	20	0
20	256QAM	50	24	18.41	18.45	18.50		
20	256QAM	50	50	18.24	18.39	18.32		
20	256QAM	100	0	18.26	18.29	18.34		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.32	18.35	18.42	20	0
15	QPSK	1	37	18.28	18.17	18.27		
15	QPSK	1	74	18.13	18.29	18.24		
15	QPSK	36	0	18.13	18.29	18.29	20	0
15	QPSK	36	20	18.34	18.31	18.22		
15	QPSK	36	39	18.43	18.13	18.15		
15	QPSK	75	0	18.42	18.21	18.09		
15	16QAM	1	0	18.09	18.14	18.26	20	0
15	16QAM	1	37	18.28	18.03	18.34		
15	16QAM	1	74	18.32	18.40	18.19		
15	16QAM	36	0	18.27	18.27	18.33	20	0
15	16QAM	36	20	18.26	18.20	18.00		
15	16QAM	36	39	18.06	18.08	18.06		
15	16QAM	75	0	18.14	18.27	18.27		
15	64QAM	1	0	18.09	18.23	18.39	20	0
15	64QAM	1	37	18.13	18.16	18.30		
15	64QAM	1	74	18.43	18.26	18.36		
15	64QAM	36	0	18.12	18.30	18.10	20	0
15	64QAM	36	20	18.07	18.09	18.36		
15	64QAM	36	39	18.21	17.89	18.04		
15	64QAM	75	0	17.98	18.19	18.29		
15	256QAM	1	0	18.21	18.37	18.05	20	0
15	256QAM	1	37	18.40	18.36	18.21		
15	256QAM	1	74	18.16	18.27	18.30		
15	256QAM	36	0	18.08	18.00	18.35	20	0
15	256QAM	36	20	18.21	18.30	18.26		
15	256QAM	36	39	18.11	18.26	18.09		
15	256QAM	75	0	18.24	18.32	18.40		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.38	18.36	18.32	20	0
10	QPSK	1	25	18.30	18.40	18.18		
10	QPSK	1	49	18.12	18.12	18.18		
10	QPSK	25	0	18.07	18.33	18.16	20	0
10	QPSK	25	12	18.37	18.15	18.12		
10	QPSK	25	25	18.42	18.16	18.12		
10	QPSK	50	0	18.31	18.11	18.38		
10	16QAM	1	0	18.16	18.07	18.24	20	0
10	16QAM	1	25	18.09	18.30	18.35		
10	16QAM	1	49	18.40	18.40	18.23		
10	16QAM	25	0	18.38	18.34	18.43	20	0
10	16QAM	25	12	18.16	18.42	18.39		
10	16QAM	25	25	18.39	18.24	18.10		
10	16QAM	50	0	18.05	18.38	18.43		
10	64QAM	1	0	18.01	18.23	18.20	20	0
10

Band 38 Ant4 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	17.40	17.58	17.47	19	0
20	QPSK	1	49	17.50	17.37	17.27		
20	QPSK	1	99	17.30	17.22	17.33		
20	QPSK	50	0	17.25	17.51	17.42	19	0
20	QPSK	50	24	17.45	17.48	17.31		
20	QPSK	50	50	17.38	17.27	17.36		
20	QPSK	100	0	17.01	17.32	17.09		
20	16QAM	1	0	17.35	17.16	17.48	19	0
20	16QAM	1	49	17.15	17.22	17.36		
20	16QAM	1	99	17.30	17.44	17.25		
20	16QAM	50	0	17.30	17.37	17.41	19	0
20	16QAM	50	24	17.27	17.38	17.06		
20	16QAM	50	50	17.07	17.33	17.15		
20	16QAM	100	0	17.33	17.39	17.41		
20	64QAM	1	0	17.17	17.33	17.49	19	0
20	64QAM	1	49	17.19	17.36	17.30		
20	64QAM	1	99	17.36	17.31	17.32		
20	64QAM	50	0	17.26	17.41	17.05	19	0
20	64QAM	50	24	17.19	17.03	17.44		
20	64QAM	50	50	17.38	17.10	17.24		
20	64QAM	100	0	17.11	17.22	17.41		
20	256QAM	1	0	17.31	17.40	17.28	19	0
20	256QAM	1	49	17.51	17.45	17.36		
20	256QAM	1	99	17.15	17.28	17.41		
20	256QAM	50	0	17.33	17.14	17.51	19	0
20	256QAM	50	24	17.33	17.42	17.34		
20	256QAM	50	50	17.24	17.35	17.18		
20	256QAM	100	0	17.24	17.37	17.35		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.44	17.38	17.42	19	0
15	QPSK	1	37	17.41	17.48	17.43		
15	QPSK	1	74	17.32	17.45	17.25		
15	QPSK	36	0	17.31	17.40	17.27	19	0
15	QPSK	36	20	17.00	17.33	17.39		
15	QPSK	36	39	17.45	17.10	17.33		
15	QPSK	75	0	17.05	17.25	17.14		
15	16QAM	1	0	17.22	17.36	17.49	19	0
15	16QAM	1	37	17.07	17.26	17.35		
15	16QAM	1	74	17.26	17.51	17.30		
15	16QAM	36	0	17.32	17.30	17.46	19	0
15	16QAM	36	20	17.30	17.45	17.10		
15	16QAM	36	39	17.08	17.20	17.23		
15	16QAM	75	0	17.32	17.53	17.38		
15	64QAM	1	0	17.13	17.37	17.40	19	0
15	64QAM	1	37	17.30	17.32	17.39		
15	64QAM	1	74	17.47	17.16	17.40		
15	64QAM	36	0	17.41	17.47	17.07	19	0
15	64QAM	36	20	17.35	17.18	17.57		
15	64QAM	36	39	17.33	17.03	17.18		
15	64QAM	75	0	17.17	17.13	17.55		
15	256QAM	1	0	17.17	17.41	17.36	19	0
15	256QAM	1	37	17.44	17.41	17.31		
15	256QAM	1	74	17.26	17.42	17.39		
15	256QAM	36	0	17.17	17.10	17.49	19	0
15	256QAM	36	20	17.38	17.44	17.49		
15	256QAM	36	39	17.38	17.34	17.24		
15	256QAM	75	0	17.29	17.42	17.44		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.44	17.50	17.33	19	0
10	QPSK	1	25	17.47	17.29	17.41		
10	QPSK	1	49	17.31	17.43	17.43		
10	QPSK	25	0	17.16	17.54	17.33	19	0
10	QPSK	25	12	17.06	17.44	17.21		
10	QPSK	25	25	17.42	17.18	17.23		
10	QPSK	50	0	17.00	17.27	17.26		
10	16QAM	1	0	17.30	17.21	17.29	19	0
10	16QAM	1	25	17.05	17.12	17.49		
10	16QAM	1	49	17.39	17.48	17.35		
10	16QAM	25	0	17.47	17.27	17.50	19	0
10	16QAM	25	12	17.35	17.48	17.00		
10	16QAM	25	25	17.16	17.35	17.11		
10	16QAM	50	0	17.23	17.43	17.52		
10	64QAM	1	0	17.20	17.40	17.49	19	0
10	64QAM	1	25	17.19	17.36	17.22		
10	64QAM	1	49	17.45	17.29	17.46		
10	64QAM	25	0	17.35	17.56	17.03	19	0
10	64QAM	25	12	17.21	17.02	17.35		
10	64QAM	25	25	17.38	17.06	17.03		
10	64QAM	50	0	17.24	17.27	17.38		
10	256QAM	1	0	17.35	17.37	17.33	19	0
10	256QAM	1	25	17.51	17.39	17.41		
10	256QAM	1	49	17.07	17.30	17.45		
10	256QAM	25	0	17.32	17.32	17.33	19	0
10	256QAM	25	12	17.34	17.44	17.39		
10	256QAM	25	25	17.36	17.39	17.27		
10	256QAM	50	0	17.32	17.38	17.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	17.33	17.49	17.37	19	0
5	QPSK	1	12	17.44	17.45	17.34		
5	QPSK	1	24	17.24	17.30	17.26		
5	QPSK	12	0	17.13	17.35	17.31	19	0
5	QPSK	12	7	17.32	17.38	17.22		
5	QPSK	12	13	17.39	17.19	17.18		
5	QPSK	25	0	17.12	17.22	17.17		
5	16QAM	1	0	17.24	17.21	17.50	19	0
5	16QAM	1	12	17.10	17.13	17.28		
5	16QAM	1	24	17.46	17.17	17.13		
5	16QAM	12	0	17.34	17.27	17.50	19	0
5	16QAM	12	7	17.37	17.34	17.13		
5	16QAM	12	13	17.09	17.20	17.09		
5	16QAM	25	0	17.30	17.55	17.36		
5	64QAM	1	0	17.04	17.48	17.48	19	0
5	64QAM	1	12	17.15	17.22	17.40		
5	64QAM	1	24	17.33	17.16	17.36		
5	64QAM	12	0	17.36	17.44	17.18	19	0
5	64QAM	12	7	17.20	17.06	17.57		
5	64QAM	12	13	17.34	17.06	17.03		
5	64QAM	25	0	17.22	17.08	17.53		
5	256QAM	1	0	17.18	17.46	17.17	19	0
5	256QAM	1	12	17.37	17.44	17.38		
5	256QAM	1	24	17.13	17.42	17.36		
5	256QAM	12	0	17.28	17.19	17.45	19	0
5	256QAM	12	7	17.46	17.32	17.45		
5	256QAM	12	13	17.37	17.38	17.28		
5	256QAM	25	0	17.17	17.38	17.41		

Band 41 Ant4 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.34	17.25	17.51	17.34	17.38	19	0
20	QPSK	1	49	17.31	17.17	17.20	17.35	17.24		
20	QPSK	1	99	17.42	17.21	17.29	17.25	17.29		
20	QPSK	50	0	17.33	17.32	17.47	17.29	17.29	19	0
20	QPSK	50	24	17.45	17.21	17.41	17.18	17.46		
20	QPSK	50	50	17.27	17.01	17.04	17.10	17.35		
20	QPSK	100	0	17.31	17.27	17.51	17.27	17.37		
20	16QAM	1	0	17.36	17.14	17.45	17.34	17.48	19	0
20	16QAM	1	49	17.24	17.15	17.49	17.20	17.38		
20	16QAM	1	99	17.22	17.13	17.29	17.16	17.36		
20	16QAM	50	0	17.28	17.34	17.37	17.27	17.47	19	0
20	16QAM	50	24	17.12	17.09	17.27	17.37	17.02		
20	16QAM	50	50	17.33	17.19	17.43	17.29	17.41		
20	16QAM	100	0	17.28	17.19	17.47	17.23	17.30		
20	64QAM	1	0	17.38	17.31	17.45	17.34	17.37	19	0
20	64QAM	1	49	17.35	17.29	17.49	17.22	17.33		
20	64QAM	1	99	17.42	17.14	17.29	17.33	17.43		
20	64QAM	50	0	17.26	17.11	17.18	17.29	17.31	19	0
20	64QAM	50	24	17.40	17.34	17.49	17.18	17.32		
20	64QAM	50	50	17.28	17.24	17.34	17.19	17.32		
20	64QAM	100	0	17.33	17.22	17.47	17.36	17.33		
20	256QAM	1	0	17.43	17.27	17.29	17.32	17.29	19	0
20	256QAM	1	49	17.38	17.11	17.16	17.13	17.14		
20	256QAM	1	99	17.30	17.31	17.39	17.24	17.48		
20	256QAM	50	0	17.42	17.28	17.38	17.25	17.25	19	0
20	256QAM	50	24	17.22	17.00	17.14	17.18	17.23		
20	256QAM	50	50	17.21	17.10	17.23	17.29	17.07		
20	256QAM	100	0	17.28	17.30	17.50	17.19	17.30		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.21	17.05	17.25	17.15	17.22	19	0
15	QPSK	1	37	17.17	17.04	17.39	17.08	17.26		
15	QPSK	1	74	17.29	17.00	17.22	17.20	17.17		
15	QPSK	36	0	17.25	17.13	17.33	17.06	17.08	19	0
15	QPSK	36	20	17.36	17.06	17.34	17.04	17.27		
15	QPSK	36	39	17.10	17.13	17.28	17.08	17.10		
15	QPSK	75	0	17.23	17.09	17.44	17.16	17.25		
15	16QAM	1	0	17.15	17.00	17.29	17.09	17.35	19	0
15	16QAM	1	37	17.27	17.15	17.22	17.27	17.12		
15	16QAM	1	74	17.24	17.01	17.29	17.06	17.27		
15	16QAM	36	0	17.12	17.27	17.18	17.10	17.20	19	0
15	16QAM	36	20	17.12	17.11	17.28	17.17	17.24		
15	16QAM	36	39	17.13	17.07	17.14	17.08	17.29		
15	16QAM	75	0	17.27	17.00	17.31	17.16	17.25		
15	64QAM	1	0	17.22	17.24	17.25	17.21	17.12	19	0
15	64QAM	1	37	17.19	17.05	17.31	17.00	17.06		
15	64QAM	1	74	17.31	17.07	17.22	17.25	17.31		
15	64QAM	36	0	17.10	17.14	17.44	17.18	17.30	19	0
15	64QAM	36	20	17.25	17.28	17.31	17.05	17.18		
15	64QAM	36	39	17.05	17.01	17.28	17.04	17.19		
15	64QAM	75	0	17.19	17.14	17.35	17.08	17.06		
15	256QAM	1	0	17.31	17.01	17.02	17.03	17.01	19	0
15	256QAM	1	37	17.09	17.11	17.41	17.09	17.30		
15	256QAM	1	74	17.18	17.12	17.28	17.00	17.22		
15	256QAM	36	0	17.33	17.15	17.17	17.00	17.09	19	0
15	256QAM	36	20	17.17	17.01	17.43	17.09	17.09		
15	256QAM	36	39	17.25	17.08	17.38	17.16	17.14		
15	256QAM	75	0	17.26	17.07	17.32	17.15	17.25		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.22	17.01	17.44	17.06	17.18	19	0
10	QPSK	1	25	17.15	17.09	17.45	17.14	17.22		
10	QPSK	1	49	17.34	17.11	17.03	17.11	17.02		
10	QPSK	25	0	17.18	17.25	17.23	17.02	17.10	19	0
10	QPSK	25	12	17.23	17.03	17.15	17.00	17.35		
10	QPSK	25	25	17.26	17.17	17.34	17.11	17.31		
10	QPSK	50	0	17.15	17.14	17.30	17.10	17.23		
10	16QAM	1	0	17.22	17.14	17.45	17.24	17.25	19	0
10	16QAM	1	25	17.14	17.11	17.31	17.10	17.13		
10	16QAM	1	49	17.26	17.10	17.37	17.27	17.26		
10	16QAM	25	0	17.00	17.20	17.18	17.15	17.28	19	0
10	16QAM	25	12	17.07	17.02	17.31	17.26	17.28		
10	16QAM	25	25	17.18	17.04	17.34	17.22	17.30		
10	16QAM	50	0	17.15	17.05	17.30	17.09	17.05		
10	64QAM	1	0	17.17	17.14	17.39	17.13	17.14	19	0
10	64QAM	1	25	17.16	17.17	17.27	17.02	17.12		
10	64QAM	1	49	17.24	17.08	17.06	17.20	17.25		
10	64QAM	25	0	17.16	17.02	17.45	17.11	17.18	19	0
10	64QAM	25	12	17.26	17.05	17.24	17.05	17.04		
10	64QAM	25	25	17.19	17.01	17.37	17.10	17.09		
10	64QAM	50	0	17.13	17.11	17.22	17.26	17.26		
10	256QAM	1	0	17.34	17.21	17.00	17.14	17.11	19	0
10	256QAM	1	25	17.14	17.01	17.27	17.08	17.19		
10	256QAM	1	49	17.21	17.10	17.45	17.06	17.25		
10	256QAM	25	0	17.31	17.17	17.27	17.12	17.17	19	0
10	256QAM	25	12	17.20	17.16	17.33	17.10	17.30		
10	256QAM	25	25	17.10	17.08	17.35	17.20	17.24		
10	256QAM	50	0	17.15	17.13	17.31	17.09	17.05		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.22	17.11	17.30	17.15	17.11	19	0
5	QPSK	1	12	17.14	17.00	17.11	17.27	17.02		
5	QPSK	1	24	17.19	17.13	17.03	17.07	17.15		
5	QPSK	12	0	17.25	17.13	17.29	17.15	17.18	19	0
5	QPSK	12	7	17.30	17.02	17.15	17.02	17.38		
5	QPSK	12	13	17.07	17.02	17.28	17.26	17.25		
5	QPSK	25	0	17.20	17.07	17.23	17.16	17.12		
5	16QAM	1	0	17.26	17.00	17.40	17.15	17.29	19	0
5	16QAM	1	12	17.10	17.14	17.24	17.15	17.30		
5	16QAM	1	24	17.14	17.05	17.10	17.01	17.24		
5	16QAM	12	0	17.20	17.12	17.34	17.12	17.17	19	0
5	16QAM	12	7	17.21	17.05	17.37	17.15	17.21		
5	16QAM	12	13	17.19	17.08	17.26	17.13	17.33		
5	16QAM	25	0	17.13	17.04	17.29	17.00	17.24		
5	64QAM	1	0	17.25	17.07	17.21	17.14	17.14	19	0
5	64QAM	1	12	17.21	17.14	17.24	17.15	17.06		
5	64QAM	1	24	17.11	17.05	17.37	17.24	17.14		
5	64QAM	12	0	17.19	17.06	17.40	17.19	17.24	19	0
5	64QAM	12	7	17.24	17.11	17.33	17.09	17.21		
5	64QAM	12	13	17.12	17.14	17.07	17.10	17.04		
5	64QAM	25	0	17.08	17.17	17.32	17.16	17.08		
5	256QAM	1	0	17.17	17.16	17.18	17.18	17.22	19	0
5	256QAM	1	12	17.09	17.04	17.35	17.21	17.24		
5	256QAM	1	24	17.12	17.02	17.18	17.18	17.33		
5	256QAM	12	0	17.16	17.15	17.42	17.22	17.32	19	0
5	256QAM	12	7	17.21	17.19	17.23	17.27	17.14		
5	256QAM	12	13	17.15	17.02	17.33	17.13	17.23		
5	256QAM	25	0	17.13	17.19	17.29	17.04	17.19		

WCDMA IV Ant5 DSI5

Band		WCDMA IV Ant5			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.86	20.90	20.80	22.50
3GPP Rel 99	RMC 12.2Kbps	20.89	20.93	20.83	22.50
3GPP Rel 6	HSDPA Subtest-1	19.87	19.96	19.96	21.50
3GPP Rel 6	HSDPA Subtest-2	19.88	19.89	19.91	21.50
3GPP Rel 6	HSDPA Subtest-3	19.41	19.46	19.49	21.00
3GPP Rel 6	HSDPA Subtest-4	19.32	19.38	19.39	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.87	19.99	19.92	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	19.88	19.84	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.23	19.43	19.34	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.20	19.33	19.31	21.00
3GPP Rel 6	HSUPA Subtest-1	19.75	19.89	19.87	21.50
3GPP Rel 6	HSUPA Subtest-2	17.92	18.00	17.87	19.50
3GPP Rel 6	HSUPA Subtest-3	18.95	19.06	19.04	20.50
3GPP Rel 6	HSUPA Subtest-4	17.81	17.86	17.89	19.50
3GPP Rel 6	HSUPA Subtest-5	19.77	19.89	19.79	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.43	17.51	17.53	19.00

Band 4 Ant5 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.99	21.07	20.95	22.5	0
20	QPSK	1	49	20.92	20.99	20.93		
20	QPSK	1	99	20.91	20.94	20.82		
20	QPSK	50	0	19.88	20.02	19.97	21.5	1
20	QPSK	50	24	19.91	19.96	19.84		
20	QPSK	50	50	19.84	19.91	19.81		
20	QPSK	100	0	19.82	19.95	19.85		
20	16QAM	1	0	20.00	20.07	19.97	21.5	1
20	16QAM	1	49	19.90	20.01	19.96		
20	16QAM	1	99	19.84	19.97	19.85		
20	16QAM	50	0	18.95	19.03	18.93	20.5	2
20	16QAM	50	24	18.85	18.95	18.87		
20	16QAM	50	50	18.89	18.99	18.92		
20	16QAM	100	0	18.84	18.97	18.85		
20	64QAM	1	0	18.96	19.04	18.90	20.5	2
20	64QAM	1	49	18.94	18.98	18.85		
20	64QAM	1	99	18.87	18.94	18.81		
20	64QAM	50	0	17.87	17.97	17.90	19.5	3
20	64QAM	50	24	17.77	17.88	17.83		
20	64QAM	50	50	17.89	17.93	17.90		
20	64QAM	100	0	17.91	17.96	17.82		
20	256QAM	1	0	15.98	16.07	16.02	17.5	5
20	256QAM	1	49	15.99	16.04	15.96		
20	256QAM	1	99	15.92	15.99	15.93		
20	256QAM	50	0	15.81	15.96	15.84	17.5	5
20	256QAM	50	24	15.81	15.86	15.72		
20	256QAM	50	50	15.85	15.92	15.80		
20	256QAM	100	0	15.84	15.93	15.89		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.95	20.92	20.84	22.5	0
15	QPSK	1	37	20.84	20.84	20.82		
15	QPSK	1	74	20.86	20.87	20.76		
15	QPSK	36	0	19.79	19.98	19.94	21.5	1
15	QPSK	36	20	19.81	19.92	19.77		
15	QPSK	36	39	19.83	19.87	19.76		
15	QPSK	75	0	19.80	19.87	19.72		
15	16QAM	1	0	19.95	19.96	19.88	21.5	1
15	16QAM	1	37	19.83	19.88	19.85		
15	16QAM	1	74	19.72	19.94	19.74		
15	16QAM	36	0	18.87	18.93	18.79	20.5	2
15	16QAM	36	20	18.77	18.87	18.79		
15	16QAM	36	39	18.84	18.87	18.77		
15	16QAM	75	0	18.80	18.86	18.72		
15	64QAM	1	0	18.82	18.96	18.80	20.5	2
15	64QAM	1	37	18.85	18.92	18.72		
15	64QAM	1	74	18.82	18.82	18.73		
15	64QAM	36	0	17.74	17.93	17.77	19.5	3
15	64QAM	36	20	17.75	17.77	17.72		
15	64QAM	36	39	17.75	17.88	17.80		
15	64QAM	75	0	17.76	17.84	17.74		
15	256QAM	1	0	15.85	16.03	15.92	17.5	5
15	256QAM	1	37	15.91	15.97	15.86		
15	256QAM	1	74	15.78	15.86	15.84		
15	256QAM	36	0	15.73	15.84	15.79	17.5	5
15	256QAM	36	20	15.71	15.83	15.81		
15	256QAM	36	39	15.72	15.80	15.75		
15	256QAM	75	0	15.71	15.88	15.84		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.96	20.89	22.5	0
10	QPSK	1	25	20.86	20.94	20.84		
10	QPSK	1	49	20.76	20.81	20.77		
10	QPSK	25	0	19.85	19.91	19.93	21.5	1
10	QPSK	25	12	19.85	19.89	19.81		
10	QPSK	25	25	19.75	19.84	19.72		
10	QPSK	50	0	19.71	19.91	19.76		
10	16QAM	1	0	19.89	20.00	19.89	21.5	1
10	16QAM	1	25	19.79	19.95	19.89		
10	16QAM	1	49	19.72	19.92	19.72		
10	16QAM	25	0	18.82	18.98	18.84	20.5	2
10	16QAM	25	12	18.75	18.84	18.78		
10	16QAM	25	25	18.77	18.86	18.80		
10	16QAM	50	0	18.79	18.85	18.82		
10	64QAM	1	0	18.88	18.92	18.85	20.5	2
10	64QAM	1	25	18.85	18.95	18.74		
10	64QAM	1	49	18.72	18.81	18.77		
10	64QAM	25	0	17.80	17.86	17.77	19.5	3
10	64QAM	25	12	17.74	17.77	17.75		
10	64QAM	25	25	17.78	17.80	17.79		
10	64QAM	50	0	17.81	17.84	17.76		
10	256QAM	1	0	15.94	15.93	15.90	17.5	5
10	256QAM	1	25	15.86	15.97	15.83		
10	256QAM	1	49	15.80	15.96	15.85		
10	256QAM	25	0	15.72	15.81	15.72	17.5	5
10	256QAM	25	12	15.71	15.81	15.77		
10	256QAM	25	25	15.76	15.88	15.82		
10	256QAM	50	0	15.76	15.88	15.80		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.90	20.96	20.91	22.5	0
5	QPSK	1	12	20.88	20.87	20.84		
5	QPSK	1	24	20.88	20.89	20.77		
5	QPSK	12	0	19.77	19.92	19.90	21.5	1
5	QPSK	12	7	19.77	19.85	19.80		
5	QPSK	12	13	19.73	19.83	19.72		
5	QPSK	25	0	19.75	19.86	19.78		
5	16QAM	1	0	19.93	20.03	19.94	21.5	1
5	16QAM	1	12	19.82	19.97	19.84		
5	16QAM	1	24	19.71	19.84	19.80		
5	16QAM	12	0	18.83	19.00	18.88	20.5	2
5	16QAM	12	7	18.77	18.87	18.80		
5	16QAM	12	13	18.76	18.93	18.80		
5	16QAM	25	0	18.80	18.91	18.79		
5	64QAM	1	0	18.90	18.95	18.80	20.5	2
5	64QAM	1	12	18.85	18.87	18.74		
5	64QAM	1	24	18.72	18.89	18.73		
5	64QAM	12	0	17.80	17.85	17.79	19.5	3
5	64QAM	12	7	17.74	17.76	17.71		
5	64QAM	12	13	17.85	17.80	17.86		
5	64QAM	25	0	17.86	17.83	17.78		
5	256QAM	1	0	15.91	16.01	15.93	17.5	5
5	256QAM	1	12	15.92	15.97	15.90		
5	256QAM	1	24	15.82	15.90	15.88		
5	256QAM	12	0	15.87	15.92	15.73	17.5	5
5	256QAM	12	7	15.73	15.73	15.71		
5	256QAM	12	13	15.77	15.80	15.75		
5	256QAM	25	0	15.80	15.89	15.78		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.96	20.97	20.92	22.5	0
3	QPSK	1	8	20.84	20.93	20.89		
3	QPSK	1	14	20.80	20.83	20.75		
3	QPSK	8	0	19.84	19.99	19.91	21.5	1
3	QPSK	8	4	19.80	19.93	19.78		
3	QPSK	8	7	19.72	19.76	19.75		
3	QPSK	15	0	19.77	19.83	19.73		
3	16QAM	1	0	19.94	19.94	19.84	21.5	1
3	16QAM	1	8	19.75	19.97	19.81		
3	16QAM	1	14	19.78	19.87	19.72		
3	16QAM	8	0	18.92	18.99	18.90	20.5	2
3	16QAM	8	4	18.79	18.89	18.81		
3	16QAM	8	7	18.77	18.89	18.77		
3	16QAM	15	0	18.72	18.85	18.81		
3	64QAM	1	0	18.90	18.97	18.78	20.5	2
3	64QAM	1	8	18.90	18.87	18.81		
3	64QAM	1	14	18.84	18.80	18.77		
3	64QAM	8	0	17.81	17.84	17.87	19.5	3
3	64QAM	8	4	17.74	17.77	17.73		
3	64QAM	8	7	17.86	17.84	17.78		
3	64QAM	15	0	17.87	17.86	17.78		
3	256QAM	1	0	15.88	15.94	15.94	17.5	5
3	256QAM	1	8	15.92	15.98	15.86		
3	256QAM	1	14	15.82	15.89	15.85		
3	256QAM	8	0	15.73	15.93	15.79	17.5	5
3	256QAM	8	4	15.71	15.76	15.73		
3	256QAM	8	7	15.73	15.79	15.75		
3	256QAM	15	0	15.72	15.89	15.80		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.95	20.97	20.85	22.5	0
1.4	QPSK	1	3	20.85	20.93	20.80		
1.4	QPSK	1	5	20.87	20.82	20.73		
1.4	QPSK	3	0	20.90	20.94	20.85		
1.4	QPSK	3	1	20.89	20.85	20.86		
1.4	QPSK	3	3	20.76	20.80	20.76		
1.4	QPSK	6	0	19.77	19.93	19.82	21.5	1
1.4	16QAM	1	0	19.80	19.88	19.80	21.5	1
1.4	16QAM	1	3	19.76	19.83	19.71		
1.4	16QAM	1	5	19.77	19.91	19.82		
1.4	16QAM	3	0	19.93	19.94	19.91		
1.4	16QAM	3	1	19.75	19.88	19.89		
1.4	16QAM	3	3	19.73	19.88	19.71		
1.4	16QAM	6	0	18.91	18.93	18.89	20.5	2
1.4	64QAM	1	0	18.90	18.91	18.83	20.5	2
1.4	64QAM	1	3	18.76	18.84	18.88		
1.4	64QAM	1	5	18.92	18.97	18.83		
1.4	64QAM	3	0	18.84	18.92	18.75		
1.4	64QAM	3	1	18.84	18.87	18.74		
1.4	64QAM	3	3	18.78	18.83	18.79		
1.4	64QAM	6	0	17.74	17.80	17.75	19.5	3
1.4	256QAM	1	0	15.88	15.96	15.93	17.5	5
1.4	256QAM	1	3	15.92	15.90	15.87		
1.4	256QAM	1	5	15.87	15.96	15.78		
1.4	256QAM	3	0	15.89	15.92	15.72		
1.4	256QAM	3	1	15.73	15.76	15.74		
1.4	256QAM	3	3	15.81	15.84	15.75		
1.4	256QAM	6	0	15.80	15.85	15.75	17.5	5

Band 7 Ant5 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.60	18.68	18.57	20	0
20	QPSK	1	49	18.61	18.66	18.59		
20	QPSK	1	99	18.65	18.62	18.59		
20	QPSK	50	0	18.53	18.57	18.44	20	0
20	QPSK	50	24	18.46	18.51	18.19		
20	QPSK	50	50	18.20	18.51	18.27		
20	QPSK	100	0	18.53	18.56	18.52		
20	16QAM	1	0	18.36	18.56	18.30	20	0
20	16QAM	1	49	18.34	18.44	18.26		
20	16QAM	1	99	18.34	18.47	18.30		
20	16QAM	50	0	18.51	18.65	18.53	20	0
20	16QAM	50	24	18.45	18.61	18.51		
20	16QAM	50	50	18.55	18.64	18.55		
20	16QAM	100	0	18.40	18.54	18.47		
20	64QAM	1	0	18.53	18.66	18.55	20	0
20	64QAM	1	49	18.55	18.60	18.41		
20	64QAM	1	99	18.43	18.52	18.46		
20	64QAM	50	0	17.42	17.52	17.46	19	1
20	64QAM	50	24	17.42	17.53	17.43		
20	64QAM	50	50	17.54	17.57	17.47		
20	64QAM	100	0	17.40	17.51	17.37		
20	256QAM	1	0	15.57	15.70	15.65	17	3
20	256QAM	1	49	15.61	15.59	15.53		
20	256QAM	1	99	15.49	15.58	15.53		
20	256QAM	50	0	15.41	15.51	15.46	17	3
20	256QAM	50	24	15.46	15.49	15.36		
20	256QAM	50	50	15.49	15.52	15.45		
20	256QAM	100	0	15.39	15.56	15.53		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.42	18.56	18.50	20	0
15	QPSK	1	37	18.37	18.58	18.47		
15	QPSK	1	74	18.29	18.46	18.32		
15	QPSK	36	0	18.42	18.61	18.50	20	0
15	QPSK	36	20	18.57	18.33	18.33		
15	QPSK	36	39	18.47	18.40	18.23		
15	QPSK	75	0	18.42	18.32	18.41		
15	16QAM	1	0	18.51	18.57	18.52	20	0
15	16QAM	1	37	18.40	18.53	18.60		
15	16QAM	1	74	18.40	18.40	18.45		
15	16QAM	36	0	18.42	18.50	18.48	20	0
15	16QAM	36	20	18.30	18.56	18.46		
15	16QAM	36	39	18.46	18.57	18.50		
15	16QAM	75	0	18.27	18.45	18.40		
15	64QAM	1	0	18.38	18.62	18.43	20	0
15	64QAM	1	37	18.50	18.46	18.34		
15	64QAM	1	74	18.34	18.38	18.38		
15	64QAM	36	0	17.36	17.42	17.36	19	1
15	64QAM	36	20	17.28	17.40	17.37		
15	64QAM	36	39	17.43	17.50	17.34		
15	64QAM	75	0	17.44	17.41	17.33		
15	256QAM	1	0	15.51	15.65	15.58	17	3
15	256QAM	1	37	15.48	15.51	15.45		
15	256QAM	1	74	15.45	15.46	15.50		
15	256QAM	36	0	15.28	15.39	15.40	17	3
15	256QAM	36	20	15.32	15.36	15.23		
15	256QAM	36	39	15.35	15.37	15.40		
15	256QAM	75	0	15.34	15.43	15.47		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.52	18.50	18.51	20	0
10	QPSK	1	25	18.48	18.46	18.33		
10	QPSK	1	49	18.49	18.46	18.33		
10	QPSK	25	0	18.25	18.51	18.50	20	0
10	QPSK	25	12	18.38	18.51	18.38		
10	QPSK	25	25	18.25	18.30	18.42		
10	QPSK	50	0	18.32	18.45	18.38		
10	16QAM	1	0	18.61	18.63	18.55	20	0
10	16QAM	1	25	18.28	18.45	18.54		
10	16QAM	1	49	18.35	18.46	18.30		
10	16QAM	25	0	18.41	18.62	18.39	20	0
10	16QAM	25	12	18.40	18.50	18.43		
10	16QAM	25	25	18.49	18.52	18.44		
10	16QAM	50	0	18.35	18.44	18.39		
10	64QAM	1	0	18.44	18.56	18.41	20	0
10	64QAM	1	25	18.47	18.51	18.34		
10	64QAM	1	49	18.38	18.47	18.34		
10	64QAM	25	0	17.37	17.45	17.40	19	1
10	64QAM	25	12	17.32	17.50	17.34		
10	64QAM	25	25	17.39	17.46	17.38		
10	64QAM	50	0	17.39	17.44	17.28		
10	256QAM	1	0	15.28	15.61	15.59	17	3
10	256QAM	1	25	15.49	15.50	15.41		
10	256QAM	1	49	15.40	15.44	15.39		
10	256QAM	25	0	15.28	15.40	15.39	17	3
10	256QAM	25	12	15.35	15.38	15.22		
10	256QAM	25	25	15.36	15.38	15.39		
10	256QAM	50	0	15.30	15.51	15.41		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.40	18.48	18.39	20	0
5	QPSK	1	12	18.41	18.36	18.35		
5	QPSK	1	24	18.32	18.50	18.28		
5	QPSK	12	0	18.29	18.54	18.53	20	0
5	QPSK	12	7	18.42	18.45	18.46		
5	QPSK	12	13	18.37	18.29	18.36		
5	QPSK	25	0	18.24	18.31	18.29		
5	16QAM	1	0	18.51	18.62	18.40	20	0
5	16QAM	1	12	18.39	18.43	18.39		
5	16QAM	1	24	18.43	18.52	18.29		
5	16QAM	12	0	18.44	18.51	18.41	20	0
5	16QAM	12	7	18.37	18.55	18.43		
5	16QAM	12	13	18.44	18.57	18.41		
5	16QAM	25	0	18.30	18.47	18.34		
5	64QAM	1	0	18.43	18.60	18.46	20	0
5	64QAM	1	12	18.48	18.50	18.26		
5	64QAM	1	24	18.32	18.48	18.32		
5	64QAM	12	0	17.28	17.38	17.31	19	1
5	64QAM	12	7	17.39	17.50	17.28		
5	64QAM	12	13	17.41	17.52	17.39		
5	64QAM	25	0	17.44	17.46	17.28		
5	256QAM	1	0	15.48	15.63	15.52	17	3
5	256QAM	1	12	15.48	15.47	15.43		
5	256QAM	1	24	15.45	15.55	15.43		
5	256QAM	12	0	15.35	15.47	15.39	17	3
5	256QAM	12	7	15.37	15.37	15.26		
5	256QAM	12	13	15.46	15.48	15.41		
5	256QAM	25	0	15.27	15.43	15.47		

Band 66 Ant5 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.04	21.14	21.12	22.5	0
20	QPSK	1	49	21.00	21.06	21.03		
20	QPSK	1	99	21.03	21.00	20.88		
20	QPSK	50	0	20.00	20.14	20.05	21.5	1
20	QPSK	50	24	20.06	20.07	19.97		
20	QPSK	50	50	19.88	19.95	19.86		
20	QPSK	100	0	19.88	20.02	19.99		
20	16QAM	1	0	20.08	20.22	20.02	21.5	1
20	16QAM	1	49	19.99	20.06	20.04		
20	16QAM	1	99	19.97	20.11	19.93		
20	16QAM	50	0	19.06	19.16	19.06	20.5	2
20	16QAM	50	24	18.91	19.05	18.98		
20	16QAM	50	50	19.04	19.05	19.03		
20	16QAM	100	0	18.99	19.05	19.00		
20	64QAM	1	0	19.07	19.08	19.03	20.5	2
20	64QAM	1	49	19.01	19.07	18.93		
20	64QAM	1	99	19.00	18.99	18.96		
20	64QAM	50	0	17.95	18.03	18.03	19.5	3
20	64QAM	50	24	17.85	17.95	17.97		
20	64QAM	50	50	17.96	18.00	17.99		
20	64QAM	100	0	18.02	18.08	17.90		
20	256QAM	1	0	16.08	16.16	16.10	17.5	5
20	256QAM	1	49	16.08	16.13	16.10		
20	256QAM	1	99	16.07	16.08	16.02		
20	256QAM	50	0	15.95	16.04	15.93	17.5	5
20	256QAM	50	24	15.90	15.98	15.81		
20	256QAM	50	50	15.94	16.04	15.90		
20	256QAM	100	0	15.95	16.01	15.95		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.98	21.08	21.04	22.5	0
15	QPSK	1	37	20.86	20.96	20.96		
15	QPSK	1	74	20.99	20.87	20.83		
15	QPSK	36	0	19.87	20.04	19.96	21.5	1
15	QPSK	36	20	19.96	19.98	19.83		
15	QPSK	36	39	19.79	19.90	19.81		
15	QPSK	75	0	19.77	19.95	19.93		
15	16QAM	1	0	19.95	20.16	19.93	21.5	1
15	16QAM	1	37	19.94	20.01	20.01		
15	16QAM	1	74	19.85	19.98	19.86		
15	16QAM	36	0	18.96	19.11	18.98	20.5	2
15	16QAM	36	20	18.83	19.00	18.94		
15	16QAM	36	39	18.97	18.94	18.88		
15	16QAM	75	0	18.90	18.94	18.86		
15	64QAM	1	0	18.98	19.00	18.93	20.5	2
15	64QAM	1	37	18.88	19.01	18.78		
15	64QAM	1	74	18.93	18.92	18.86		
15	64QAM	36	0	17.88	17.89	17.95	19.5	3
15	64QAM	36	20	17.75	17.84	17.82		
15	64QAM	36	39	17.90	17.92	17.86		
15	64QAM	75	0	17.93	17.93	17.82		
15	256QAM	1	0	15.93	16.06	16.03	17.5	5
15	256QAM	1	37	16.02	16.02	16.03		
15	256QAM	1	74	15.98	15.99	15.92		
15	256QAM	36	0	15.86	15.92	15.86	17.5	5
15	256QAM	36	20	15.85	15.88	15.77		
15	256QAM	36	39	15.87	15.93	15.85		
15	256QAM	75	0	15.91	15.96	15.85		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.99	21.09	21.06	22.5	0
10	QPSK	1	25	20.92	20.95	20.92		
10	QPSK	1	49	20.93	20.96	20.78		
10	QPSK	25	0	19.92	20.00	19.96	21.5	1
10	QPSK	25	12	19.93	19.98	19.91		
10	QPSK	25	25	19.74	19.86	19.72		
10	QPSK	50	0	19.82	19.97	19.94		
10	16QAM	1	0	19.98	20.16	19.98	21.5	1
10	16QAM	1	25	19.94	19.92	19.95		
10	16QAM	1	49	19.82	20.04	19.84		
10	16QAM	25	0	18.95	19.05	18.94	20.5	2
10	16QAM	25	12	18.79	18.99	18

Band 38 Ant5 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.60	18.89	18.63	20.5	0
20	QPSK	1	49	18.58	18.69	18.59		
20	QPSK	1	99	18.68	18.74	18.60		
20	QPSK	50	0	18.58	18.83	18.73	20.5	0
20	QPSK	50	24	18.80	18.77	18.63		
20	QPSK	50	50	18.62	18.81	18.61		
20	QPSK	100	0	18.63	18.75	18.67		
20	16QAM	1	0	18.84	18.74	18.70	20.5	0
20	16QAM	1	49	18.66	18.82	18.85		
20	16QAM	1	99	18.61	18.76	18.64		
20	16QAM	50	0	18.75	18.74	18.69	20	0.5
20	16QAM	50	24	18.57	18.66	18.62		
20	16QAM	50	50	18.67	18.70	18.71		
20	16QAM	100	0	18.70	18.70	18.65		
20	64QAM	1	0	18.76	18.75	18.71	20	0.5
20	64QAM	1	49	18.61	18.69	18.63		
20	64QAM	1	99	18.65	18.65	18.64		
20	64QAM	50	0	17.63	17.69	17.67	19	1.5
20	64QAM	50	24	17.58	17.60	17.58		
20	64QAM	50	50	17.63	17.65	17.59		
20	64QAM	100	0	17.82	17.81	17.77		
20	256QAM	1	0	15.67	15.76	15.71	17	3.5
20	256QAM	1	49	15.68	15.73	15.74		
20	256QAM	1	99	15.59	15.68	15.61		
20	256QAM	50	0	15.68	15.71	15.68	17	3.5
20	256QAM	50	24	15.54	15.61	15.61		
20	256QAM	50	50	15.67	15.67	15.61		
20	256QAM	100	0	15.63	15.72	15.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.75	18.81	18.61	20.5	0
15	QPSK	1	37	18.68	18.88	18.68		
15	QPSK	1	74	18.64	18.69	18.71		
15	QPSK	36	0	18.62	18.80	18.72	20.5	0
15	QPSK	36	20	18.85	18.87	18.74		
15	QPSK	36	39	18.76	18.70	18.58		
15	QPSK	75	0	18.60	18.68	18.55		
15	16QAM	1	0	18.60	18.59	18.80	20.5	0
15	16QAM	1	37	18.63	18.83	18.73		
15	16QAM	1	74	18.62	18.80	18.60		
15	16QAM	36	0	18.74	18.67	18.61	20	0.5
15	16QAM	36	20	18.53	18.67	18.64		
15	16QAM	36	39	18.60	18.64	18.70		
15	16QAM	75	0	18.64	18.61	18.60		
15	64QAM	1	0	18.67	18.73	18.65	20	0.5
15	64QAM	1	37	18.56	18.69	18.55		
15	64QAM	1	74	18.57	18.65	18.65		
15	64QAM	36	0	17.56	17.68	17.63	19	1.5
15	64QAM	36	20	17.54	17.55	17.59		
15	64QAM	36	39	17.55	17.56	17.52		
15	64QAM	75	0	17.82	17.78	17.78		
15	256QAM	1	0	15.67	15.67	15.70	17	3.5
15	256QAM	1	37	15.59	15.71	15.73		
15	256QAM	1	74	15.53	15.68	15.60		
15	256QAM	36	0	15.59	15.66	15.60	17	3.5
15	256QAM	36	20	15.55	15.53	15.57		
15	256QAM	36	39	15.62	15.64	15.57		
15	256QAM	75	0	15.63	15.69	15.60		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.61	18.78	18.62	20.5	0
10	QPSK	1	25	18.57	18.71	18.67		
10	QPSK	1	49	18.62	18.75	18.70		
10	QPSK	25	0	18.53	18.87	18.77	20.5	0
10	QPSK	25	12	18.65	18.70	18.74		
10	QPSK	25	25	18.67	18.70	18.62		
10	QPSK	50	0	18.68	18.67	18.68		
10	16QAM	1	0	18.83	18.63	18.74	20.5	0
10	16QAM	1	25	18.63	18.88	18.78		
10	16QAM	1	49	18.74	18.76	18.74		
10	16QAM	25	0	18.72	18.65	18.68	20	0.5
10	16QAM	25	12	18.55	18.66	18.60		
10	16QAM	25	25	18.61	18.60	18.68		
10	16QAM	50	0	18.63	18.67	18.66		
10	64QAM	1	0	18.68	18.73	18.73	20	0.5
10	64QAM	1	25	18.59	18.63	18.58		
10	64QAM	1	49	18.61	18.63	18.65		
10	64QAM	25	0	17.55	17.69	17.63	19	1.5
10	64QAM	25	12	17.59	17.52	17.50		
10	64QAM	25	25	17.54	17.65	17.58		
10	64QAM	50	0	17.77	17.74	17.75		
10	256QAM	1	0	15.61	15.72	15.71	17	3.5
10	256QAM	1	25	15.60	15.64	15.73		
10	256QAM	1	49	15.54	15.64	15.61		
10	256QAM	25	0	15.58	15.72	15.59	17	3.5
10	256QAM	25	12	15.53	15.62	15.60		
10	256QAM	25	25	15.68	15.62	15.57		
10	256QAM	50	0	15.62	15.73	15.64		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.63	18.81	18.68	20.5	0
5	QPSK	1	12	18.71	18.77	18.55		
5	QPSK	1	24	18.71	18.75	18.62		
5	QPSK	12	0	18.59	18.75	18.71	20.5	0
5	QPSK	12	7	18.68	18.76	18.70		
5	QPSK	12	13	18.72	18.65	18.64		
5	QPSK	25	0	18.65	18.69	18.59		
5	16QAM	1	0	18.72	18.87	18.81	20.5	0
5	16QAM	1	12	18.65	18.86	18.71		
5	16QAM	1	24	18.75	18.88	18.63		
5	16QAM	12	0	18.74	18.76	18.69	20	0.5
5	16QAM	12	7	18.54	18.57	18.59		
5	16QAM	12	13	18.66	18.71	18.66		
5	16QAM	25	0	18.67	18.72	18.66		
5	64QAM	1	0	18.73	18.76	18.72	20	0.5
5	64QAM	1	12	18.54	18.65	18.63		
5	64QAM	1	24	18.67	18.59	18.60		
5	64QAM	12	0	17.56	17.65	17.62	19	1.5
5	64QAM	12	7	17.55	17.58	17.57		
5	64QAM	12	13	17.61	17.63	17.52		
5	64QAM	25	0	17.81	17.76	17.73		
5	256QAM	1	0	15.62	15.77	15.63	17	3.5
5	256QAM	1	12	15.65	15.68	15.72		
5	256QAM	1	24	15.60	15.60	15.51		
5	256QAM	12	0	15.61	15.61	15.67	17	3.5
5	256QAM	12	7	15.55	15.56	15.59		
5	256QAM	12	13	15.63	15.67	15.55		
5	256QAM	25	0	15.63	15.70	15.63		

Band 41 Ant5 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.69	18.62	18.91	18.67	18.77	20.5	0
20	QPSK	1	49	18.69	18.70	18.64	18.66	18.80		
20	QPSK	1	99	18.50	18.68	18.74	18.71	18.53		
20	QPSK	50	0	18.73	18.75	18.86	18.68	18.77	20.5	0
20	QPSK	50	24	18.62	18.61	18.85	18.80	18.61		
20	QPSK	50	50	18.57	18.71	18.58	18.54	18.60		
20	QPSK	100	0	18.55	18.67	18.71	18.69	18.64		
20	16QAM	1	0	18.77	18.67	18.87	18.78	18.59	20.5	0
20	16QAM	1	49	18.77	18.63	18.79	18.65	18.61		
20	16QAM	1	99	18.53	18.62	18.77	18.57	18.60		
20	16QAM	50	0	18.32	18.33	18.36	18.32	18.24	20	0.5
20	16QAM	50	24	18.11	18.13	18.26	18.27	18.14		
20	16QAM	50	50	18.23	18.29	18.33	18.30	18.23		
20	16QAM	100	0	18.17	18.25	18.29	18.29	18.22		
20	64QAM	1	0	18.34	18.38	18.37	18.30	18.34	20	0.5
20	64QAM	1	49	18.25	18.22	18.31	18.24	18.17		
20	64QAM	1	99	18.14	18.24	18.22	18.26	18.17		
20	64QAM	50	0	17.27	17.23	17.33	17.25	17.28	19	1.5
20	64QAM	50	24	17.14	17.18	17.20	17.19	17.08		
20	64QAM	50	50	17.17	17.27	17.30	17.25	17.23		
20	64QAM	100	0	17.28	17.40	17.41	17.42	17.36		
20	256QAM	1	0	15.26	15.26	15.38	15.34	15.31	17	3.5
20	256QAM	1	49	15.32	15.26	15.36	15.36	15.25		
20	256QAM	1	99	15.12	15.20	15.25	15.22	15.13		
20	256QAM	50	0	15.20	15.27	15.29	15.24	15.24	17	3.5
20	256QAM	50	24	15.18	15.10	15.25	15.22	15.14		
20	256QAM	50	50	15.13	15.25	15.23	15.26	15.20		
20	256QAM	100	0	15.17	15.26	15.30	15.32	15.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.59	18.50	18.87	18.71	18.59	21	0
15	QPSK	1	37	18.56	18.64	18.62	18.61	18.62		
15	QPSK	1	74	18.56	18.56	18.62	18.61	18.65		
15	QPSK	36	0	18.50	18.75	18.82	18.56	18.62	20.5	0
15	QPSK	36	20	18.52	18.52	18.60	18.66	18.63		
15	QPSK	36	39	18.66	18.50	18.53	18.55	18.65		
15	QPSK	75	0	18.58	18.70	18.57	18.66	18.51		
15	16QAM	1	0	18.57	18.67	18.63	18.75	18.62	20.5	0
15	16QAM	1	37	18.69	18.67	18.58	18.56	18.60		
15	16QAM	1	74	18.62	18.61	18.76	18.64	18.58		
15	16QAM	36	0	18.22	18.19	18.27	18.29	18.15	20	0.5
15	16QAM	36	20	18.04	18.06	18.21	18.14	18.02		
15	16QAM	36	39	18.18	18.20	18.29	18.18	18.11		
15	16QAM	75	0	18.11	18.16	18.16	18.19	18.11		
15	64QAM	1	0	18.27	18.25	18.26	18.17	18.25	20	0.5
15	64QAM	1	37	18.12	18.10	18.22	18.16	18.03		
15	64QAM	1	74	18.04	18.12	18.08	18.22	18.05		
15	64QAM	36	0	17.17	17.11	17.21	17.16	17.18	19	1.5
15	64QAM	36	20	17.10	17.14	17.09	17.16	17.04		
15	64QAM	36	39	17.09	17.19	17.16	17.17	17.11		
15	64QAM	75	0	17.19	17.35	17.38	17.30	17.23		
15	256QAM	1	0	15.17	15.22	15.26	15.28	15.28	17	3.5
15	256QAM	1	37	15.18	15.22	15.29	15.25	15.11		
15	256QAM	1	74	15.04	15.13	15.11	15.17	15.07		
15	256QAM	36	0	15.10	15.16	15.21	15.12	15.19	17	3.5
15	256QAM	36	20	15.03	15.08	15.13	15.18	15.10		
15	256QAM	36	39	15.00	15.14	15.14	15.17	15.08		
15	256QAM	75	0	15.11	15.20	15.24	15.21	15.15		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.64	18.68	18.83	18.60	18.77	21	0
10	QPSK	1	25	18.63	18.55	18.84	18.56	18.71		
10	QPSK	1	49	18.58	18.68	18.56	18.52	18.56		
10	QPSK	25	0	18.51	18.65	18.76	18.72	18.74	20.5	0
10	QPSK	25	12	18.64	18.65	18.69	18.59	18.56		
10	QPSK	25	25	18.64	18.66	18.55	18.52	18.53		
10	QPSK	50	0	18.52	18.52	18.59	18.59	18.51		
10	16QAM	1	0	18.68	18.66	18.84	18.74	18.55	20.5	0
10	16QAM	1	25	18.62	18.71	18.77	18.52	18.72		
10	16QAM	1	49	18.64	18.62	18.69	18.60	18.58		
10	16QAM	25	0	18.17	18.21	18.26	18.23	18.13	20	0.5
10	16QAM	25	12	18.08	18.00	18.18	18.18	18.07		
10	16QAM	25	25	18.17	18.21	18.28	18.16	18.17		
10	16QAM	50	0	18.08	18.16	18.16	18.25	18.15		
10	64QAM	1	0	18.22	18.34	18.25	18.18	18.22	20	0.5
10	64QAM	1	25	18.19	18.10	18.27	18.12	18.06		
10	64QAM	1	49	18.05	18.12	18.16	18.14	18.13		
10	64QAM	25	0	17.17	17.16	17.19	17.19	17.19	19	1.5
10	64QAM	25	12	17.00	17.10	17.16	17.12	17.05		
10	64QAM	25	25	17.07	17.21	17.18	17.14	17.11		
10	64QAM	50	0	17.19	17.34	17.32	17.28	17.24		
10	256QAM	1	0	15.16	15.17	15.30	15.30	15.27	17	3.5
10	256QAM	1	25	15.23	15.18	15.30	15.28	15.18		
10	256QAM	1	49	15.08	15.06	15.19	15.19	15.02		
10	256QAM	25	0	15.12	15.13	15.17	15.09	15.19	17	3.5
10	256QAM	25	12	15.08	15.04	15.12	15.10	15.04		
10	256QAM	25	25	15.02	15.19	15.19	15.18	15.16		
10	256QAM	50	0	15.08	15.23	15.26	15.18	15.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.71	18.63	18.73	18.57	18.70	21	0
5	QPSK	1	12	18.50	18.53	18.75	18.60	18.75		
5	QPSK	1	24	18.55	18.53	18.65	18.60	18.57		
5	QPSK	12	0	18.63	18.54	18.76	18.56	18.69	20.5	0
5	QPSK	12	7	18.53	18.69	18.81	18.56	18.59		
5	QPSK	12	13	18.55	18.50	18.66	18.66	18.50		
5	QPSK	25	0	18.65	18.58	18.77	18.65	18.70		
5	16QAM	1	0	18.55	18.65	18.71	18.74	18.72	20.5	0
5	16QAM	1	12	18.64	18.54	18.72	18.59	18.64		
5	16QAM	1	24	18.57	18.68	18.78	18.60	18.52		
5	16QAM	12	0	18.27	18.20	18.26	18.24	18.14	20	0.5
5	16QAM	12	7	18.04	18.06	18.20	18.19	18.07		
5	16QAM	12	13	18.13	18.22	18.28	18.24	18.09		
5	16QAM	25	0	18.05	18.12	18.19	18.20	18.10		
5	64QAM	1	0	18.25	18.29	18.33	18.27	18.21	20	0.5
5	64QAM	1	12	18.20	18.10	18.27	18.20	18.09		
5	64QAM	1	24	18.00	18.16	18.19	18.13	18.13		
5	64QAM	12	0	17.16	17.11	17.26	17.20	17.17	19	1.5
5	64QAM	12	7	17.09	17.06	17.07	17.09	17.06		
5	64QAM	12	13	17.09	17.14	17.20	17.11	17.10		
5	64QAM	25	0	17.23	17.36	17.29	17.36	17.25		
5	256QAM	1	0	15.21	15.21	15.32	15.28	15.24	17	3.5
5	256QAM	1	12	15.17	15.17	15.32	15.23	15.22		
5	256QAM	1	24	15.05	15.05	15.17	15.09	15.00		
5	256QAM	12	0	15.11	15.24	15.19	15.17	15.17	17	3.5
5	256QAM	12	7	15.14	15.05	15.18	15.09	15.10		
5	256QAM	12	13	15.09	15.14	15.18	15.11	15.14		
5	256QAM	25	0	15.04	15.20	15.21	15.27	15.14		

Band 42 Ant6 DSI5 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.52	18.82	18.54	19.2	0
20	QPSK	1	49	18.27	18.51	18.52		
20	QPSK	1	99	18.52	18.58	18.54		
20	QPSK	50	0	18.44	18.57	18.50	19.2	0
20	QPSK	50	24	18.36	18.39	18.28		
20	QPSK	50	50	18.25	18.20	18.38		
20	QPSK	100	0	18.36	18.75	18.57		
20	16QAM	1	0	18.32	18.66	18.60	19.2	0
20	16QAM	1	49	18.28	18.61	18.38		
20	16QAM	1	99	18.32	18.44	18.35		
20	16QAM	50	0	18.46	18.46	18.42	19.2	0
20	16QAM	50	24	18.31	18.39	18.52		
20	16QAM	50	50	18.40	18.75	18.56		
20	16QAM	100	0	18.44	18.57	18.33		
20	64QAM	1	0	18.58	18.64	18.45	19.2	0
20	64QAM	1	49	18.49	18.68	18.34		
20	64QAM	1	99	18.28	18.51	18.53		
20	64QAM	50	0	18.31	18.31	18.59	19.2	0
20	64QAM	50	24	18.58	18.61	18.39		
20	64QAM	50	50	18.40	18.46	18.47		
20	64QAM	100	0	18.38	18.73	18.60		
20	256QAM	1	0	18.49	18.49	18.64	19.2	0
20	256QAM	1	49	18.33	18.40	18.23		
20	256QAM	1	99	18.59	18.49	18.45		
20	256QAM	50	0	18.51	18.53	18.49	19.2	0
20	256QAM	50	24	18.25	18.38	18.38		
20	256QAM	50	50	18.34	18.51	18.37		
20	256QAM	100	0	18.48	18.75	18.35		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.56	18.62	18.48	19.2	0
15	QPSK	1	37	18.38	18.31	18.60		
15	QPSK	1	74	18.33	18.43	18.50		
15	QPSK	36	0	18.52	18.73	18.51	19.2	0
15	QPSK	36	20	18.31	18.69	18.29		
15	QPSK	36	39	18.26	18.24	18.34		
15	QPSK	75	0	18.58	18.78	18.48		
15	16QAM	1	0	18.39	18.68	18.65	19.2	0
15	16QAM	1	37	18.44	18.64	18.50		
15	16QAM	1	74	18.24	18.43	18.27		
15	16QAM	36	0	18.50	18.57	18.50	19.2	0
15	16QAM	36	20	18.20	18.39	18.48		
15	16QAM	36	39	18.47	18.59	18.49		
15	16QAM	75	0	18.35	18.77	18.53		
15	64QAM	1	0	18.57	18.58	18.46	19.2	0
15	64QAM	1	37	18.49	18.58	18.43		
15	64QAM	1	74	18.26	18.40	18.43		
15	64QAM	36	0	18.43	18.39	18.38	19.2	0
15	64QAM	36	20	18.60	18.75	18.47		
15	64QAM	36	39	18.38	18.48	18.51		
15	64QAM	75	0	18.39	18.76	18.57		
15	256QAM	1	0	18.55	18.46	18.44	19.2	0
15	256QAM	1	37	18.34	18.43	18.30		
15	256QAM	1	74	18.58	18.58	18.52		
15	256QAM	36	0	18.57	18.53	18.47	19.2	0
15	256QAM	36	20	18.11	18.31	18.38		
15	256QAM	36	39	18.24	18.52	18.50		
15	256QAM	75	0	18.42	18.74	18.40		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.49	18.68	18.54	19.2	0
10	QPSK	1	25	18.43	18.51	18.48		
10	QPSK	1	49	18.34	18.60	18.37		
10	QPSK	25	0	18.43	18.68	18.53	19.2	0
10	QPSK	25	12	18.38	18.56	18.41		
10	QPSK	25	25	18.11	18.35	18.33		
10	QPSK	50	0	18.53	18.77	18.45		
10	16QAM	1	0	18.40	18.55	18.44	19.2	0
10	16QAM	1	25	18.23	18.63	18.31		
10	16QAM	1	49	18.43	18.59	18.39		
10	16QAM	25	0	18.52	18.60	18.47	19.2	0
10	16QAM	25	12	18.20	18.59	18.61		
10	16QAM	25	25	18.50	18.67	18.37		
10	16QAM	50	0	18.50	18.77	18.43		
10	64QAM	1	0	18.40	18.66	18.56	19.2	0
10	64QAM	1	25	18.52	18.64	18.31		
10	64QAM	1	49	18.32	18.50	18.58		
10	64QAM	25	0	18.25	18.48	18.59	19.2	0
10	64QAM	25	12	18.59	18.61	18.31		
10	64QAM	25	25	18.38	18.47	18.50		
10	64QAM	50	0	18.47	18.63	18.56		
10	256QAM	1	0	18.40	18.45	18.60	19.2	0
10	256QAM	1	25	18.41	18.30	18.27		
10	256QAM	1	49	18.56	18.62	18.52		
10	256QAM	25	0	18.50	18.52	18.42	19.2	0
10	256QAM	25	12	18.16	18.42	18.32		
10	256QAM	25	25	18.22	18.50	18.51		
10	256QAM	50	0	18.41	18.70	18.45		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.51	18.62	18.60	19.2	0
5	QPSK	1	12	18.29	18.38	18.49		
5	QPSK	1	24	18.35	18.46	18.36		
5	QPSK	12	0	18.60	18.76	18.41	19.2	0
5	QPSK	12	7	18.40	18.55	18.36		
5	QPSK	12	13	18.18	18.18	18.37		
5	QPSK	25	0	18.48	18.60	18.51		
5	16QAM	1	0	18.38	18.68	18.63	19.2	0
5	16QAM	1	12	18.40	18.70	18.38		
5	16QAM	1	24	18.23	18.60	18.25		
5	16QAM	12	0	18.43	18.67	18.38	19.2	0
5	16QAM	12	7	18.26	18.36	18.48		
5	16QAM	12	13	18.29	18.60	18.57		
5	16QAM	25	0	18.31	18.60	18.34		
5	64QAM	1	0	18.45	18.60	18.57	19.2	0
5	64QAM	1	12	18.56	18.62	18.36		
5	64QAM	1	24	18.34	18.51	18.46		
5	64QAM	12	0	18.22	18.50	18.54	19.2	0
5	64QAM	12	7	18.58	18.71	18.40		
5	64QAM	12	13	18.39	18.42	18.28		
5	64QAM	25	0	18.45	18.56	18.66		
5	256QAM	1	0	18.56	18.53	18.48	19.2	0
5	256QAM	1	12	18.39	18.31	18.42		
5	256QAM	1	24	18.53	18.69	18.43		
5	256QAM	12	0	18.39	18.61	18.37	19.2	0
5	256QAM	12	7	18.25	18.26	18.49		
5	256QAM	12	13	18.26	18.46	18.48		
5	256QAM	25	0	18.58	18.61	18.33		

Band 48 Ant6 DSI5 Mian PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.45	18.47	18.44	18.37	19.2	0
20	QPSK	1	49	18.30	18.21	18.34	18.16		
20	QPSK	1	99	18.20	18.15	18.07	18.20		
20	QPSK	50	0	18.36	18.41	18.31	18.37	19.2	0
20	QPSK	50	24	18.36	18.24	18.12	18.29		
20	QPSK	50	50	18.17	17.87	17.91	18.26		
20	QPSK	100	0	18.31	18.37	18.34	18.32		
20	16QAM	1	0	18.18	18.24	18.35	18.17	19.2	0
20	16QAM	1	49	18.21	18.24	18.16	18.23		
20	16QAM	1	99	18.09	18.26	18.11	18.26		
20	16QAM	50	0	18.13	18.20	18.25	18.37	19.2	0
20	16QAM	50	24	18.01	18.25	18.30	17.95		
20	16QAM	50	50	18.13	18.25	18.22	18.21		
20	16QAM	100	0	18.28	18.34	18.23	18.12		
20	64QAM	1	0	18.35	18.28	18.27	18.18	19.2	0
20	64QAM	1	49	18.32	18.40	18.22	18.20		
20	64QAM	1	99	18.39	18.15	18.16	18.34		
20	64QAM	50	0	18.14	18.05	18.22	18.28	19.2	0
20	64QAM	50	24	18.22	18.38	18.05	18.15		
20	64QAM	50	50	18.26	18.35	18.09	18.17		
20	64QAM	100	0	18.22	18.39	18.18	18.23		
20	256QAM	1	0	18.30	18.31	18.17	18.08	19.2	0
20	256QAM	1	49	18.40	18.01	18.14	18.04		
20	256QAM	1	99	18.31	18.18	18.22	18.23		
20	256QAM	50	0	18.36	18.23	18.27	18.18	19.2	0
20	256QAM	50	24	18.16	17.95	18.20	18.09		
20	256QAM	50	50	18.22	18.15	18.13	18.05		
20	256QAM	100	0	18.17	18.30	18.20	18.08		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.10	18.14	18.09	18.06	19.2	0
15	QPSK	1	37	18.13	18.06	18.17	17.91		
15	QPSK	1	74	17.98	18.05	17.86	18.09		
15	QPSK	36	0	18.12	18.20	18.01	18.08	19.2	0
15	QPSK	36	20	18.18	18.14	17.88	18.09		
15	QPSK	36	39	18.04	17.79	17.68	18.18		
15	QPSK	75	0	17.98	18.19	17.82	18.21		
15	16QAM	1	0	17.92	18.14	18.10	18.23	19.2	0
15	16QAM	1	37	18.11	18.23	17.84	18.01		
15	16QAM	1	74	17.89	17.94	17.80	18.18		
15	16QAM	36	0	17.90	18.01	17.94	18.21	19.2	0
15	16QAM	36	20	17.76	18.09	18.07	17.72		
15	16QAM	36	39	17.98	18.01	17.95	18.10		
15	16QAM	75	0	18.05	18.25	18.09	17.85		
15	64QAM	1	0	18.26	17.98	18.14	17.87	19.2	0
15	64QAM	1	37	18.12	18.26	17.99	18.07		
15	64QAM	1	74	18.19	17.98	18.06	18.09		
15	64QAM	36	0	17.85	17.84	18.06	17.99	19.2	0
15	64QAM	36	20	17.91	18.26	17.79	18.03		
15	64QAM	36	39	17.96	18.18	17.94	18.02		
15	64QAM	75	0	18.02	18.19	18.00	18.10		
15	256QAM	1	0	18.08	18.21	18.02	17.80	19.2	0
15	256QAM	1	37	18.28	17.79	17.83	17.88		
15	256QAM	1	74	18.19	17.95	17.92	18.23		
15	256QAM	36	0	18.14	18.12	18.01	18.03	19.2	0
15	256QAM	36	20	18.00	17.86	18.00	18.00		
15	256QAM	36	39	17.98	18.06	18.03	17.85		
15	256QAM	75	0	17.92	17.99	17.98	17.94		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.93	18.11	17.99	17.94	19.2	0
10	QPSK	1	25	17.99	18.05	18.06	18.02		
10	QPSK	1	49	18.06	17.91	17.87	18.04		
10	QPSK	25	0	18.00	18.29	17.94	17.95	19.2	0
10	QPSK	25	12	18.22	17.93	17.88	18.00		
10	QPSK	25	25	17.97	17.59	17.59	18.11		
10	QPSK	50	0	18.09	18.24	18.00	18.03		
10	16QAM	1	0	18.09	17.93	18.05	18.29	19.2	0
10	16QAM	1	25	18.13	18.15	17.87	17.94		
10	16QAM	1	49	17.88	18.06	18.02	18.03		
10	16QAM	25	0	17.98	17.92	18.13	18.14	19.2	0
10	16QAM	25	12	17.83	17.96	18.22	17.68		
10	16QAM	25	25	17.86	18.04	18.03	17.93		
10	16QAM	50	0	17.99	18.19	18.13	18.00		
10	64QAM	1	0	18.08	18.17	18.17	17.89	19.2	0
10	64QAM	1	25	18.03	18.14	18.13	17.93		
10	64QAM	1	49	18.09	17.92	17.99	18.17		
10	64QAM	25	0	18.05	17.76	17.98	18.06	19.2	0
10	64QAM	25	12	18.08	18.26	17.90	18.06		
10	64QAM	25	25	18.04	18.21	17.91	18.04		
10	64QAM	50	0	18.05	18.23	18.03	18.03		
10	256QAM	1	0	18.05	18.20	18.02	17.89	19.2	0
10	256QAM	1	25	18.31	17.75	17.99	17.85		
10	256QAM	1	49	18.15	18.05	18.02	18.19		
10	256QAM	25	0	18.06	18.06	17.98	17.97	19.2	0
10	256QAM	25	12	18.06	17.66	18.03	17.84		
10	256QAM	25	25	18.03	18.03	17.84	17.76		
10	256QAM	50	0	17.90	18.18	17.95	17.90		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.99	18.14	18.03	18.09	19.2	0
5	QPSK	1	12	17.99	17.91	18.06	18.00		
5	QPSK	1	24	18.07	17.95	17.93	18.10		
5	QPSK	12	0	18.04	18.30	17.97	18.03	19.2	0
5	QPSK	12	7	18.09	17.94	17.84	17.98		
5	QPSK	12	13	17.99	17.74	17.71	18.03		
5	QPSK	25	0	17.98	18.07	17.98	18.09		
5	16QAM	1	0	17.87	18.12	18.13	18.30	19.2	0
5	16QAM	1	12	17.98	18.31	17.92	17.97		
5	16QAM	1	24	17.77	18.00	17.80	18.00		
5	16QAM	12	0	17.93	17.97	18.11	18.12	19.2	0
5	16QAM	12	7	17.85	17.95	18.13	17.87		
5	16QAM	12	13	17.93	18.12	17.92	17.97		
5	16QAM	25	0	18.07	18.14	18.01	18.00		
5	64QAM	1	0	18.22	18.04	18.18	17.94	19.2	0
5	64QAM	1	12	18.17	18.27	17.93	17.97		
5	64QAM	1	24	18.28	17.90	17.89	18.08		
5	64QAM	12	0	17.97	17.85	17.91	17.97	19.2	0
5	64QAM	12	7	18.10	18.15	17.94	17.87		
5	64QAM	12	13	18.09	18.05	17.91	17.87		
5	64QAM	25	0	17.92	18.19	17.98	18.00		
5	256QAM	1	0	18.11	18.03	18.08	17.97	19.2	0
5	256QAM	1	12	18.19	17.77	17.93	17.87		
5	256QAM	1	24	18.08	17.95	18.12	18.18		
5	256QAM	12	0	18.06	17.96	18.07	17.86	19.2	0
5	256QAM	12	7	17.91	17.75	18.09	17.90		
5	256QAM	12	13	17.95	17.88	18.02	17.85		
5	256QAM	25	0	17.98	18.10	18.03	17.89		

Band 42 Ant7 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.97	18.24	18.09	19.5	0
20	QPSK	1	49	18.07	17.98	18.18		
20	QPSK	1	99	18.02	18.02	17.81		
20	QPSK	50	0	18.12	18.16	17.95	19.5	0
20	QPSK	50	24	18.15	18.12	17.94		
20	QPSK	50	50	18.08	17.67	17.66		
20	QPSK	100	0	17.94	18.14	17.89		
20	16QAM	1	0	17.87	18.15	18.19	19.5	0
20	16QAM	1	49	18.17	18.06	18.15		
20	16QAM	1	99	17.79	17.95	17.80		
20	16QAM	50	0	17.83	17.89	17.97	19.5	0
20	16QAM	50	24	17.92	18.06	18.13		
20	16QAM	50	50	17.99	18.07	18.10		
20	16QAM	100	0	18.04	18.12	18.10		
20	64QAM	1	0	18.19	18.09	18.07	19.5	0
20	64QAM	1	49	18.11	18.20	18.05		
20	64QAM	1	99	18.08	17.86	17.91		
20	64QAM	50	0	17.88	17.94	17.95	19.5	0
20	64QAM	50	24	18.12	18.12	17.75		
20	64QAM	50	50	18.19	17.94	18.02		
20	64QAM	100	0	18.03	18.11	17.92		
20	256QAM	1	0	18.21	18.03	18.03	19.5	0
20	256QAM	1	49	18.11	17.87	17.97		
20	256QAM	1	99	18.08	17.95	17.97		
20	256QAM	50	0	17.99	18.10	18.23	19.5	0
20	256QAM	50	24	17.89	17.75	18.11		
20	256QAM	50	50	17.93	17.99	18.01		
20	256QAM	100	0	17.95	18.16	18.02		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.08	18.15	17.97	19.5	0
15	QPSK	1	37	18.00	18.10	18.07		
15	QPSK	1	74	17.91	17.99	17.93		
15	QPSK	36	0	18.09	18.21	18.02	19.5	0
15	QPSK	36	20	18.02	17.91	18.03		
15	QPSK	36	39	17.87	17.55	17.76		
15	QPSK	75	0	18.10	18.08	18.22		
15	16QAM	1	0	17.87	17.98	18.11	19.5	0
15	16QAM	1	37	18.06	18.02	18.09		
15	16QAM	1	74	17.92	18.01	17.82		
15	16QAM	36	0	17.91	18.00	18.00	19.5	0
15	16QAM	36	20	17.84	18.13	18.13		
15	16QAM	36	39	17.95	17.97	17.92		
15	16QAM	75	0	18.08	18.11	18.14		
15	64QAM	1	0	18.07	18.19	18.18	19.5	0
15	64QAM	1	37	18.16	18.01	18.15		
15	64QAM	1	74	18.00	17.94	18.14		
15	64QAM	36	0	18.02	17.93	18.04	19.5	0
15	64QAM	36	20	18.02	18.18	17.97		
15	64QAM	36	39	18.07	17.96	18.16		
15	64QAM	75	0	18.11	18.03	18.22		
15	256QAM	1	0	17.99	18.15	17.95	19.5	0
15	256QAM	1	37	18.11	17.73	17.95		
15	256QAM	1	74	18.11	18.02	17.95		
15	256QAM	36	0	18.00	18.07	18.17	19.5	0
15	256QAM	36	20	17.99	17.71	18.01		
15	256QAM	36	39	17.92	17.93	17.85		
15	256QAM	75	0	17.98	18.18	17.99		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.04	18.07	18.11	19.5	0
10	QPSK	1	25	18.10	18.08	18.11		
10	QPSK	1	49	17.92	18.04	17.84		
10	QPSK	25	0	18.18	18.14	17.97	19.5	0
10	QPSK	25	12	18.18	18.10	17.98		
10	QPSK	25	25	18.01	17.77	17.82		
10	QPSK	50	0	18.04	18.19	17.84		
10	16QAM	1	0	17.90	18.02	18.19	19.5	0
10	16QAM	1	25	18.19	18.11	18.07		
10	16QAM	1	49	17.99	18.02	17.85		
10	16QAM	25	0	17.91	18.00	17.94	19.5	0
10	16QAM	25	12	17.75	17.93	18.19		
10	16QAM	25	25	17.97	17.97	18.03		
10	16QAM	50	0	18.01	18.17	18.13		
10	64QAM	1	0	18.09	17.98	18.20	19.5	0
10	64QAM	1	25	18.14	18.17	17.94		
10	64QAM	1	49	18.11	17.90	18.05		
10	64QAM	25	0	17.83	17.92	18.11	19.5	0
10	64QAM	25	12	18.10	18.13	17.85		
10	64QAM	25	25	18.09	18.22	17.92		
10	64QAM	50	0	17.94	18.20	17.93		
10	256QAM	1	0	18.17	18.02	18.05	19.5	0
10	256QAM	1	25	18.20	17.90	18.04		
10	256QAM	1	49	18.05	18.10	18.07		
10	256QAM	25	0	18.13	17.93	18.08	19.5	0
10	256QAM	25	12	17.86	17.70	18.06		
10	256QAM	25	25	18.00	17.98	17.83		
10	256QAM	50	0	18.06	18.14	17.96		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.99	18.05	18.21	19.5	0
5	QPSK	1	12	18.13	17.98	18.09		
5	QPSK	1	24	17.95	17.99	17.92		
5	QPSK	12	0	18.02	18.00	18.11	19.5	0
5	QPSK	12	7	18.10	17.99	17.95		
5	QPSK	12	13	17.98	17.72	17.68		
5	QPSK	25	0	18.13	18.19	18.06		
5	16QAM	1	0	18.03	18.12	18.10	19.5	0
5	16QAM	1	12	18.15	17.94	18.14		
5	16QAM	1	24	17.97	18.01	17.84		
5	16QAM	12	0	17.96	18.09	18.11	19.5	0
5	16QAM	12	7	17.83	17.99	18.13		
5	16QAM	12	13	17.90	18.02	18.08		
5	16QAM	25	0	18.11	17.98	18.16		
5	64QAM	1	0	18.17	18.14	17.96	19.5	0
5	64QAM	1	12	18.18	18.20	18.14		
5	64QAM	1	24	18.16	18.04	17.91		
5	64QAM	12	0	18.02	17.80	18.13	19.5	0
5	64QAM	12	7	18.06	18.22	17.80		
5	64QAM	12	13	18.15	18.15	17.88		
5	64QAM	25	0	17.94	18.19	17.96		
5	256QAM	1	0	18.11	18.02	17.89	19.5	0
5	256QAM	1	12	18.18	17.89	18.01		
5	256QAM	1	24	18.13	18.01	18.00		
5	256QAM	12	0	18.08	17.92	18.01	19.5	0
5	256QAM	12	7	18.00	17.64	18.08		
5	256QAM	12	13	18.03	17.87	17.82		
5	256QAM	25	0	18.01	18.12	17.89		

Band 48 Ant7 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.86	18.08	17.87	17.95	19.5	0
20	QPSK	1	49	18.01	17.81	17.96	17.89		
20	QPSK	1	99	17.88	17.90	17.83	17.73		
20	QPSK	50	0	17.82	18.05	17.86	17.95	19.5	0
20	QPSK	50	24	18.00	17.79	17.78	17.71		
20	QPSK	50	50	17.77	17.92	17.72	17.84		
20	QPSK	100	0	17.96	18.02	17.80	17.76		
20	16QAM	1	0	17.73	17.80	18.00	18.04	19.5	0
20	16QAM	1	49	17.90	18.05	17.71	17.75		
20	16QAM	1	99	17.73	17.81	17.66	17.79		
20	16QAM	50	0	17.80	17.78	17.84	17.92	19.5	0
20	16QAM	50	24	17.59	17.92	17.96	17.88		
20	16QAM	50	50	17.65	17.96	17.68	17.86		
20	16QAM	100	0	17.99	17.92	17.81	17.80		
20	64QAM	1	0	18.05	17.82	17.93	18.02	19.5	0
20	64QAM	1	49	17.98	17.96	17.78	17.88		
20	64QAM	1	99	18.00	17.78	17.80	17.75		
20	64QAM	50	0	17.73	17.76	17.83	17.91	19.5	0
20	64QAM	50	24	17.84	18.04	17.78	17.81		
20	64QAM	50	50	17.98	17.93	17.80	17.87		
20	64QAM	100	0	17.94	18.03	17.87	17.86		
20	256QAM	1	0	17.93	17.95	17.77	17.88	19.5	0
20	256QAM	1	49	17.79	17.88	17.85	17.77		
20	256QAM	1	99	18.07	17.72	17.95	18.02		
20	256QAM	50	0	17.91	17.90	17.97	17.95	19.5	0
20	256QAM	50	24	17.88	17.58	17.96	17.93		
20	256QAM	50	50	17.97	17.70	17.80	17.93		
20	256QAM	100	0	17.85	17.88	17.95	17.85		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.84	17.89	17.72	17.96	19.5	0
15	QPSK	1	37	18.01	17.71	17.90	17.78		
15	QPSK	1	74	17.72	17.73	17.81	17.69		
15	QPSK	36	0	17.82	17.95	17.65	17.79	19.5	0
15	QPSK	36	20	18.07	17.81	17.68	17.68		
15	QPSK	36	39	17.88	17.97	17.74	17.74		
15	QPSK	75	0	17.94	17.97	17.73	17.75		
15	16QAM	1	0	17.62	17.77	17.90	18.04	19.5	0
15	16QAM	1	37	17.79	17.98	17.66	17.60		
15	16QAM	1	74	17.52	17.82	17.60	17.79		
15	16QAM	36	0	17.66	17.69	17.79	17.88	19.5	0
15	16QAM	36	20	17.69	18.01	17.75	17.92		
15	16QAM	36	39	17.56	17.75	17.91	17.96		
15	16QAM	75	0	17.81	17.76	17.70	17.67		
15	64QAM	1	0	18.06	17.84	17.75	17.98	19.5	0
15	64QAM	1	37	17.81	17.90	17.72	17.80		
15	64QAM	1	74	17.90	17.62	17.71	17.67		
15	64QAM	36	0	17.59	17.58	17.67	17.86	19.5	0
15	64QAM	36	20	17.85	18.05	17.50	17.65		
15	64QAM	36	39	17.84	17.73	17.78	17.79		
15	64QAM	75	0	17.94	17.86	17.87	17.77		
15	256QAM	1	0	17.90	17.96	17.73	17.85	19.5	0
15	256QAM	1	37	17.85	17.91	17.70	17.94		
15	256QAM	1	74	18.03	17.58	17.92	17.91		
15	256QAM	36	0	17.81	17.90	17.87	17.96	19.5	0
15	256QAM	36	20	17.77	17.54	17.86	17.93		
15	256QAM	36	39	17.92	17.66	17.72	17.93		
15	256QAM	75	0	17.73	17.71	17.87	17.64		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.75	17.85	17.66	17.75	19.5	0
10	QPSK	1	25	17.85	17.61	17.76	17.84		
10	QPSK	1	49	17.75	17.74	17.82	17.74		
10	QPSK	25	0	17.73	17.88	17.87	17.75	19.5	0
10	QPSK	25	12	18.00	17.68	17.67	17.71		
10	QPSK	25	25	17.84	17.99	17.80	17.95		
10	QPSK	50	0	17.82	17.87	17.66	17.56		
10	16QAM	1	0	17.62	17.65	17.98	17.96	19.5	0
10	16QAM	1	25	17.72	17.93	17.72	17.61		
10	16QAM	1	49	17.73	18.07	17.83	17.75		
10	16QAM	25	0	17.79	17.70	17.79	17.92	19.5	0
10	16QAM	25	12	17.85	17.90	17.84	17.76		
10	16QAM	25	25	17.52	17.85	17.90	17.90		
10	16QAM	50	0	17.90	17.85	17.79	17.82		
10	64QAM	1	0	17.90	17.79	17.81	17.95	19.5	0
10	64QAM	1	25	17.92	17.95	17.75	17.87		
10	64QAM	1	49	17.99	17.73	17.61	17.60		
10	64QAM	25	0	17.63	17.62	17.83	17.72	19.5	0
10	64QAM	25	12	17.77	17.90	17.88	17.96		
10	64QAM	25	25	17.91	17.85	17.71	17.85		
10	64QAM	50	0	17.83	18.00	17.85	17.86		
10	256QAM	1	0	17.94	17.83	17.62	17.70	19.5	0
10	256QAM	1	25	17.98	17.61	17.74	17.81		
10	256QAM	1	49	17.97	17.74	17.88	18.02		
10	256QAM	25	0	17.91	17.69	17.91	17.92	19.5	0
10	256QAM	25	12	17.81	17.86	17.88	17.79		
10	256QAM	25	25	17.96	17.69	17.71	17.76		
10	256QAM	50	0	17.77	17.86	17.78	17.66		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.74	18.02	17.65	17.94	19.5	0
5	QPSK	1	12	17.84	17.68	17.84	17.69		
5	QPSK	1	24	17.69	17.79	17.67	17.51		
5	QPSK	12	0	17.69	17.78	17.65	17.92	19.5	0
5	QPSK	12	7	17.94	17.69	17.77	17.69		
5	QPSK	12	13	17.69	18.00	17.88	17.81		
5	QPSK	25	0	17.76	17.95	17.69	17.55		
5	16QAM	1	0	17.66	17.65	18.01	17.86	19.5	0
5	16QAM	1	12	17.90	18.06	17.58	17.65		
5	16QAM	1	24	17.66	17.70	17.52	17.60		
5	16QAM	12	0	17.60	17.68	17.86	17.80	19.5	0
5	16QAM	12	7	17.52	17.94	17.79	17.80		
5	16QAM	12	13	17.59	17.88	17.96	18.01		
5	16QAM	25	0	17.83	17.85	17.67	17.70		
5	64QAM	1	0	18.05	17.74	17.80	17.99	19.5	0
5	64QAM	1	12	17.96	17.86	17.73	17.87		
5	64QAM	1	24	17.87	17.62	17.58	17.62		
5	64QAM	12	0	17.69	17.56	17.80	17.92	19.5	0
5	64QAM	12	7	17.88	17.98	17.57	17.64		
5	64QAM	12	13	17.97	17.75	17.68	17.66		
5	64QAM	25	0	17.94	18.02	17.72	17.86		
5	256QAM	1	0	17.90	17.80	17.60	17.82	19.5	0
5	256QAM	1	12	18.06	17.66	17.67	17.80		
5	256QAM	1	24	18.00	17.72	17.85	18.03		
5	256QAM	12	0	17.79	17.80	17.78	17.93	19.5	0
5	256QAM	12	7	17.88	17.95	17.73	17.94		
5	256QAM	12	13	17.92	17.62	17.72	17.72		
5	256QAM	25	0	17.66	17.70	17.96	17.85		

Band 42 Ant8 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	20.68	20.77	20.67	21.5	0
20	QPSK	1	49	20.59	20.67	20.50		
20	QPSK	1	99	20.59	20.59	20.51		
20	QPSK	50	0	19.58	19.70	19.56	20.5	1
20	QPSK	50	24	19.57	19.69	19.64		
20	QPSK	50	50	19.57	19.57	19.60		
20	QPSK	100	0	19.59	19.69	19.57		
20	16QAM	1	0	19.60	19.71	19.57	20.5	1
20	16QAM	1	49	19.61	19.69	19.56		
20	16QAM	1	99	19.59	19.70	19.58		
20	16QAM	50	0	18.68	18.76	18.61	19.5	2
20	16QAM	50	24	18.51	18.56	18.61		
20	16QAM	50	50	18.51	18.72	18.61		
20	16QAM	100	0	18.60	18.62	18.65		
20	64QAM	1	0	18.66	18.75	18.60	19.5	2
20	64QAM	1	49	18.49	18.71	18.43		
20	64QAM	1	99	18.49	18.51	18.60		
20	64QAM	50	0	17.47	17.67	17.62	18.5	3
20	64QAM	50	24	17.59	17.53	17.68		
20	64QAM	50	50	17.58	17.63	17.61		
20	64QAM	100	0	17.73	17.77	17.67		
20	256QAM	1	0	15.53	15.60	15.57	16.5	5
20	256QAM	1	49	15.56	15.71	15.58		
20	256QAM	1	99	15.39	15.65	15.53		
20	256QAM	50	0	15.57	15.64	15.57	16.5	5
20	256QAM	50	24	15.45	15.67	15.64		
20	256QAM	50	50	15.54	15.59	15.58		
20	256QAM	100	0	15.53	15.68	15.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	20.61	20.70	20.53	21.5	0
15	QPSK	1	37	20.50	20.55	20.46		
15	QPSK	1	74	20.51	20.51	20.43		
15	QPSK	36	0	19.44	19.57	19.52	20.5	1
15	QPSK	36	20	19.51	19.57	19.51		
15	QPSK	36	39	19.48	19.51	19.47		
15	QPSK	75	0	19.49	19.57	19.51		
15	16QAM	1	0	19.47	19.65	19.44	20.5	1
15	16QAM	1	37	19.50	19.59	19.50		
15	16QAM	1	74	19.53	19.58	19.47		
15	16QAM	36	0	18.54	18.66	18.48	19.5	2
15	16QAM	36	20	18.41	18.52	18.56		
15	16QAM	36	39	18.41	18.60	18.54		
15	16QAM	75	0	18.48	18.55	18.57		
15	64QAM	1	0	18.56	18.65	18.52	19.5	2
15	64QAM	1	37	18.45	18.58	18.28		
15	64QAM	1	74	18.45	18.41	18.51		
15	64QAM	36	0	17.39	17.56	17.47	18.5	3
15	64QAM	36	20	17.50	17.41	17.54		
15	64QAM	36	39	17.45	17.58	17.51		
15	64QAM	75	0	17.62	17.68	17.56		
15	256QAM	1	0	15.38	15.54	15.49	16.5	5
15	256QAM	1	37	15.47	15.67	15.49		
15	256QAM	1	74	15.27	15.61	15.39		
15	256QAM	36	0	15.50	15.54	15.46	16.5	5
15	256QAM	36	20	15.39	15.57	15.58		
15	256QAM	36	39	15.43	15.45	15.46		
15	256QAM	75	0	15.39	15.55	15.41		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	20.53	20.64	20.58	21.5	0
10	QPSK	1	25	20.53	20.53	20.47		
10	QPSK	1	49	20.53	20.45	20.41		
10	QPSK	25	0	19.49	19.55	19.46	20.5	1
10	QPSK	25	12	19.50	19.55	19.59		
10	QPSK	25	25	19.50	19.45	19.52		
10	QPSK	50	0	19.50	19.64	19.44		
10	16QAM	1	0	19.55	19.57	19.45	20.5	1
10	16QAM	1	25	19.50	19.58	19.46		
10	16QAM	1	49	19.45	19.66	19.45		
10	16QAM	25	0	18.63	18.70	18.52	19.5	2
10	16QAM	25	12	18.41	18.42	18.49		
10	16QAM	25	25	18.37	18.62	18.49		
10	16QAM	50	0	18.54	18.58	18.52		
10	64QAM	1	0	18.63	18.70	18.55	19.5	2
10	64QAM	1	25	18.37	18.60	18.38		
10	64QAM	1	49	18.37	18.48	18.49		
10	64QAM	25	0	17.34	17.53	17.57	18.5	3
10	64QAM	25	12	17.53	17.45	17.55		
10	64QAM	25	25	17.46	17.51	17.51		
10	64QAM	50	0	17.66	17.67	17.52		
10	256QAM	1	0	15.41	15.48	15.46	16.5	5
10	256QAM	1	25	15.45	15.67	15.45		
10	256QAM	1	49	15.34	15.55	15.40		
10	256QAM	25	0	15.46	15.53	15.45	16.5	5
10	256QAM	25	12	15.34	15.59	15.57		
10	256QAM	25	25	15.43	15.52	15.49		
10	256QAM	50	0	15.47	15.65	15.44		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	20.55	20.73	20.61	21.5	0
5	QPSK	1	12	20.48	20.60	20.44		
5	QPSK	1	24	20.46	20.51	20.40		
5	QPSK	12	0	19.54	19.56	19.48	20.5	1
5	QPSK	12	7	19.51	19.60	19.53		
5	QPSK	12	13	19.52	19.43	19.53		
5	QPSK	25	0	19.50	19.64	19.46		
5	16QAM	1	0	19.55	19.64	19.44	20.5	1
5	16QAM	1	12	19.48	19.65	19.46		
5	16QAM	1	24	19.46	19.61	19.54		
5	16QAM	12	0	18.63	18.65	18.53	19.5	2
5	16QAM	12	7	18.48	18.47	18.51		
5	16QAM	12	13	18.40	18.59	18.57		
5	16QAM	25	0	18.53	18.55	18.50		
5	64QAM	1	0	18.53	18.61	18.51	19.5	2
5	64QAM	1	12	18.42	18.66	18.37		
5	64QAM	1	24	18.36	18.47	18.56		
5	64QAM	12	0	17.33	17.55	17.48	18.5	3
5	64QAM	12	7	17.56	17.49	17.64		
5	64QAM	12	13	17.43	17.52	17.50		
5	64QAM	25	0	17.67	17.67	17.59		
5	256QAM	1	0	15.39	15.46	15.50	16.5	5
5	256QAM	1	12	15.49	15.66	15.47		
5	256QAM	1	24	15.28	15.59	15.45		
5	256QAM	12	0	15.42	15.57	15.52	16.5	5
5	256QAM	12	7	15.30	15.64	15.52		
5	256QAM	12	13	15.49	15.51	15.52		
5	256QAM	25	0	15.46	15.61	15.33		

Band 48 Ant8 DSI5 Main PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.00	17.15	17.12	17.10	18	0
20	QPSK	1	49	16.74	16.72	16.71	16.70		
20	QPSK	1	99	16.87	16.88	16.91	16.83		
20	QPSK	50	0	17.00	17.12	16.96	16.92	18	0
20	QPSK	50	24	16.87	16.80	16.78	16.83		
20	QPSK	50	50	16.51	16.60	16.51	16.65		
20	QPSK	100	0	16.96	17.04	17.01	16.97		
20	16QAM	1	0	16.71	16.81	16.73	16.69	18	0
20	16QAM	1	49	17.13	17.10	17.07	17.14		
20	16QAM	1	99	16.88	16.92	16.78	16.93		
20	16QAM	50	0	16.84	16.80	16.76	16.88	18	0
20	16QAM	50	24	17.01	16.91	16.83	17.01		
20	16QAM	50	50	16.86	16.92	16.79	16.86		
20	16QAM	100	0	16.81	16.84	16.87	16.88		
20	64QAM	1	0	16.87	16.75	16.84	16.84	18	0
20	64QAM	1	49	16.99	16.91	16.93	16.89		
20	64QAM	1	99	16.68	16.89	16.82	16.89		
20	64QAM	50	0	16.64	16.89	16.64	16.88	18	0
20	64QAM	50	24	16.42	16.74	16.41	16.86		
20	64QAM	50	50	16.59	16.90	16.63	16.86		
20	64QAM	100	0	16.74	17.00	16.66	16.88		
20	256QAM	1	0	15.07	15.36	15.10	15.22	16.5	1.5
20	256QAM	1	49	15.08	15.37	15.11	15.33		
20	256QAM	1	99	15.08	15.38	15.13	15.25		
20	256QAM	50	0	15.04	15.36	15.12	15.26	16.5	1.5
20	256QAM	50	24	15.12	15.39	15.07	15.32		
20	256QAM	50	50	15.09	15.25	15.02	15.24		
20	256QAM	100	0	15.11	15.38	15.05	15.20		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.88	17.06	17.05	17.10	18	0
15	QPSK	1	37	16.62	16.60	16.52	16.54		
15	QPSK	1	74	16.68	16.74	16.74	16.79		
15	QPSK	36	0	16.79	17.02	16.80	16.79	18	0
15	QPSK	36	20	16.77	16.62	16.58	16.63		
15	QPSK	36	39	16.31	16.51	16.43	16.57		
15	QPSK	75	0	16.86	16.92	17.11	16.89		
15	16QAM	1	0	16.73	16.82	16.63	16.57	18	0
15	16QAM	1	37	17.04	17.11	16.86	17.05		
15	16QAM	1	74	16.72	16.83	16.79	16.83		
15	16QAM	36	0	16.69	16.68	16.66	16.82	18	0
15	16QAM	36	20	17.03	16.83	16.82	16.96		
15	16QAM	36	39	16.76	16.77	16.62	16.72		
15	16QAM	75	0	16.76	16.85	16.74	16.81		
15	64QAM	1	0	16.77	16.65	16.76	16.62	18	0
15	64QAM	1	37	16.86	16.91	16.85	16.85		
15	64QAM	1	74	16.52	16.69	16.82	16.90		
15	64QAM	36	0	16.07	16.36	16.03	16.32	18	0
15	64QAM	36	20	16.12	16.18	16.12	16.28		
15	64QAM	36	39	16.04	16.30	16.08	16.26		
15	64QAM	75	0	16.11	16.40	16.04	16.34		
15	256QAM	1	0	15.05	15.26	15.15	15.14	16.5	1.5
15	256QAM	1	37	15.14	15.34	15.09	15.20		
15	256QAM	1	74	15.13	15.27	15.14	15.11		
15	256QAM	36	0	15.01	15.33	15.09	15.13	16.5	1.5
15	256QAM	36	20	15.08	15.25	15.06	15.18		
15	256QAM	36	39	15.15	15.21	15.08	15.20		
15	256QAM	75	0	15.06	15.35	15.06	15.08		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.95	16.97	17.11	17.10	18	0
10	QPSK	1	25	16.75	16.62	16.52	16.59		
10	QPSK	1	49	16.87	16.86	16.82	16.79		
10	QPSK	25	0	16.88	16.93	16.93	16.89	18	0
10	QPSK	25	12	16.79	16.75	16.72	16.67		
10	QPSK	25	25	16.48	16.39	16.48	16.51		
10	QPSK	50	0	16.85	17.05	17.01	16.93		
10	16QAM	1	0	16.61	16.60	16.75	16.64	18	0
10	16QAM	1	25	17.12	16.91	16.88	16.98		
10	16QAM	1	49	16.90	16.73	16.70	16.88		
10	16QAM	25	0	16.67	16.81	16.59	16.85	18	0
10	16QAM	25	12	16.98	16.74	16.68	16.80		
10	16QAM	25	25	16.85	16.83	16.62	16.68		
10	16QAM	50	0	16.67	16.82	16.83	16.77		
10	64QAM	1	0	16.78	16.63	16.85	16.65	18	0
10	64QAM	1	25	16.78	16.88	16.80	16.81		
10	64QAM	1	49	16.49	16.77	16.62	16.82		
10	64QAM	25	0	16.05	16.28	16.00	16.34	18	0
10	64QAM	25	12	16.01	16.20	16.07	16.25		
10	64QAM	25	25	16.06	16.31	16.07	16.28		
10	64QAM	50	0	16.15	16.40	16.03	16.33		
10	256QAM	1	0	15.08	15.22	15.09	15.12	16.5	1.5
10	256QAM	1	25	15.07	15.26	15.17	15.19		
10	256QAM	1	49	15.04	15.25	15.18	15.11		
10	256QAM	25	0	15.00	15.31	15.17	15.11	16.5	1.5
10	256QAM	25	12	15.12	15.34	15.09	15.23		
10	256QAM	25	25	15.05	15.17	15.05	15.17		
10	256QAM	50	0	15.18	15.33	15.08	15.10		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.86	16.92	16.99	16.95	18	0
5	QPSK	1	12	16.73	16.52	16.61	16.70		
5	QPSK	1	24	16.81	16.75	16.75	16.81		
5	QPSK	12	0	16.95	16.84	16.75	16.91	18	0
5	QPSK	12	7	16.88	16.80	16.67	16.81		
5	QPSK	12	13	16.52	16.39	16.48	16.48		
5	QPSK	25	0	16.97	16.98	17.10	16.89		
5	16QAM	1	0	16.57	16.81	16.52	16.58	18	0
5	16QAM	1	12	17.08	17.08	17.08	17.02		
5	16QAM	1	24	16.67	16.83	16.64	16.81		
5	16QAM	12	0	16.64	16.61	16.58	16.77	18	0
5	16QAM	12	7	16.83	16.72	16.66	16.92		
5	16QAM	12	13	16.82	16.88	16.76	16.76		
5	16QAM	25	0	16.70	16.69	16.69	16.69		
5	64QAM	1	0	16.86	16.58	16.83	16.81	18	0
5	64QAM	1	12	17.00	16.90	16.93	16.90		
5	64QAM	1	24	16.68	16.83	16.68	16.87		
5	64QAM	12	0	16.00	16.25	16.02	16.28	18	0
5	64QAM	12	7	16.14	16.16	16.15	16.29		
5	64QAM	12	13	16.17	16.31	16.09	16.28		
5	64QAM	25	0	16.11	16.40	16.05	16.25		
5	256QAM	1	0	15.06	15.27	15.05	15.12	16.5	1.5
5	256QAM	1	12	15.06	15.25	15.11	15.24		
5	256QAM	1	24	15.09	15.28	15.13	15.13		
5	256QAM	12	0	15.01	15.24	15.07	15.19	16.5	1.5
5	256QAM	12	7	15.08	15.29	15.07	15.29		
5	256QAM	12	13	15.10	15.13	15.02	15.12		
5	256QAM	25	0	15.11	15.30	15.07	15.10		

Full&Default Power NSA Mode

Band 2 Ant2 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.04	24.29	24.18	25.5	0
20	QPSK	1	49	23.99	24.17	24.15		
20	QPSK	1	99	23.89	24.12	24.06		
20	QPSK	50	0	22.99	23.13	23.12	24.5	1
20	QPSK	50	24	22.91	23.10	23.08		
20	QPSK	50	50	22.87	23.07	22.98		
20	QPSK	100	0	22.87	23.07	23.00		
20	16QAM	1	0	22.77	22.94	22.85	24.5	1
20	16QAM	1	49	22.77	22.96	22.95		
20	16QAM	1	99	22.74	22.92	22.95		
20	16QAM	50	0	21.87	22.09	22.10	23.5	2
20	16QAM	50	24	21.90	22.05	21.98		
20	16QAM	50	50	21.84	22.01	22.04		
20	16QAM	100	0	21.84	22.06	22.02		
20	64QAM	1	0	21.99	22.18	22.12	23.5	2
20	64QAM	1	49	21.92	22.10	22.12		
20	64QAM	1	99	21.93	22.11	22.11		
20	64QAM	50	0	20.93	21.11	21.10	22.5	3
20	64QAM	50	24	20.92	21.08	21.10		
20	64QAM	50	50	20.87	21.13	21.11		
20	64QAM	100	0	20.82	21.06	21.04		
20	256QAM	1	0	18.94	19.08	19.10	20.5	5
20	256QAM	1	49	18.85	19.02	18.98		
20	256QAM	1	99	18.86	19.05	19.03		
20	256QAM	50	0	18.90	19.07	19.06	20.5	5
20	256QAM	50	24	18.92	19.06	19.08		
20	256QAM	50	50	18.92	19.07	19.02		
20	256QAM	100	0	18.91	19.05	19.06		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.03	24.21	24.11	25.5	0
15	QPSK	1	37	23.93	24.12	24.12		
15	QPSK	1	74	23.89	24.04	24.06		
15	QPSK	36	0	22.95	23.11	23.07	24.5	1
15	QPSK	36	20	22.84	23.02	23.08		
15	QPSK	36	39	22.79	23.08	23.00		
15	QPSK	75	0	22.80	23.01	23.00		
15	16QAM	1	0	22.70	22.92	22.83	24.5	1
15	16QAM	1	37	22.77	22.89	22.89		
15	16QAM	1	74	22.75	22.84	22.90		
15	16QAM	36	0	21.82	22.01	22.11	23.5	2
15	16QAM	36	20	21.82	21.96	21.98		
15	16QAM	36	39	21.83	21.94	22.00		
15	16QAM	75	0	21.77	22.01	21.96		
15	64QAM	1	0	21.98	22.14	22.04	23.5	2
15	64QAM	1	37	21.89	22.09	22.12		
15	64QAM	1	74	21.92	22.06	22.12		
15	64QAM	36	0	20.85	21.12	21.08	22.5	3
15	64QAM	36	20	20.86	21.08	21.10		
15	64QAM	36	39	20.89	21.11	21.10		
15	64QAM	75	0	20.82	21.06	21.05		
15	256QAM	1	0	18.92	19.09	19.02	20.5	5
15	256QAM	1	37	18.78	19.03	18.91		
15	256QAM	1	74	18.82	19.07	19.04		
15	256QAM	36	0	18.88	19.06	19.03	20.5	5
15	256QAM	36	20	18.92	19.09	19.06		
15	256QAM	36	39	18.94	19.00	19.03		
15	256QAM	75	0	18.83	19.01	19.08		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.99	24.20	24.19	25.5	0
10	QPSK	1	25	23.91	24.12	24.06		
10	QPSK	1	49	23.83	24.05	24.04		
10	QPSK	25	0	23.02	23.12	23.13	24.5	1
10	QPSK	25	12	22.91	23.05	23.03		
10	QPSK	25	25	22.86	23.08	22.92		
10	QPSK	50	0	22.89	23.08	23.06		
10	16QAM	1	0	22.70	22.93	22.81	24.5	1
10	16QAM	1	25	22.73	22.94	22.89		
10	16QAM	1	49	22.72	22.92	22.88		
10	16QAM	25	0	21.86	22.08	22.07	23.5	2
10	16QAM	25	12	21.87	21.96	21.98		
10	16QAM	25	25	21.81	22.02	22.05		
10	16QAM	50	0	21.86	21.98	21.99		
10	64QAM	1	0	22.01	22.12	22.14	23.5	2
10	64QAM	1	25	21.94	22.05	22.09		
10	64QAM	1	49	21.85	22.11	22.10		
10	64QAM	25	0	20.89	21.14	21.08	22.5	3
10	64QAM	25	12	20.91	21.05	21.06		
10	64QAM	25	25	20.81	21.15	21.08		
10	64QAM	50	0	20.83	21.00	21.05		
10	256QAM	1	0	18.90	19.11	19.07	20.5	5
10	256QAM	1	25	18.80	19.01	18.91		
10	256QAM	1	49	18.79	19.06	19.05		
10	256QAM	25	0	18.92	19.07	19.08	20.5	5
10	256QAM	25	12	18.87	19.03	19.01		
10	256QAM	25	25	18.93	19.05	19.04		
10	256QAM	50	0	18.82	18.99	19.00		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.96	24.26	24.18	25.5	0
5	QPSK	1	12	23.91	24.17	24.14		
5	QPSK	1	24	23.87	24.03	23.98		
5	QPSK	12	0	23.01	23.09	23.08	24.5	1
5	QPSK	12	7	22.84	23.04	23.08		
5	QPSK	12	13	22.83	23.06	22.95		
5	QPSK	25	0	22.88	22.99	23.04		
5	16QAM	1	0	22.68	22.86	22.86	24.5	1
5	16QAM	1	12	22.69	22.92	22.89		
5	16QAM	1	24	22.70	22.87	22.95		
5	16QAM	12	0	21.84	22.08	22.07	23.5	2
5	16QAM	12	7	21.83	22.05	21.91		
5	16QAM	12	13	21.82	21.97	21.97		
5	16QAM	25	0	21.84	22.06	21.98		
5	64QAM	1	0	21.90	22.10	22.09	23.5	2
5	64QAM	1	12	21.92	22.06	22.11		
5	64QAM	1	24	21.88	22.11	22.05		
5	64QAM	12	0	20.89	21.03	21.04	22.5	3
5	64QAM	12	7	20.91	21.10	21.02		
5	64QAM	12	13	20.84	21.05	21.14		
5	64QAM	25	0	20.74	21.02	21.03		
5	256QAM	1	0	18.97	19.01	19.10	20.5	5
5	256QAM	1	12	18.85	19.00	18.95		
5	256QAM	1	24	18.88	19.02	18.94		
5	256QAM	12	0	18.90	19.02	19.09	20.5	5
5	256QAM	12	7	18.88	18.99	19.02		
5	256QAM	12	13	18.89	18.99	18.95		
5	256QAM	25	0	18.84	18.99	19.07		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.96	24.23	24.18	25.5	0
3	QPSK	1	8	23.97	24.10	24.12		
3	QPSK	1	14	23.87	24.09	23.99		
3	QPSK	8	0	22.91	23.08	23.09	24.5	1
3	QPSK	8	4	22.83	23.08	23.04		
3	QPSK	8	7	22.78	23.09	22.89		
3	QPSK	15	0	22.88	22.98	23.01		
3	16QAM	1	0	22.80	22.87	22.79	24.5	1
3	16QAM	1	8	22.80	22.94	22.93		
3	16QAM	1	14	22.72	22.90	22.91		
3	16QAM	8	0	21.86	22.07	22.09	23.5	2
3	16QAM	8	4	21.86	21.99	21.97		
3	16QAM	8	7	21.85	21.96	21.96		
3	16QAM	15	0	21.82	22.08	22.02		
3	64QAM	1	0	21.92	22.19	22.09	23.5	2
3	64QAM	1	8	21.86	22.13	22.06		
3	64QAM	1	14	21.92	22.07	22.08		
3	64QAM	8	0	20.92	21.10	21.08	22.5	3
3	64QAM	8	4	20.87	21.01	21.04		
3	64QAM	8	7	20.79	21.06	21.05		
3	64QAM	15	0	20.80	21.01	20.99		
3	256QAM	1	0	18.91	19.05	19.04	20.5	5
3	256QAM	1	8	18.84	19.04	18.97		
3	256QAM	1	14	18.87	19.08	19.01		
3	256QAM	8	0	18.82	19.06	19.00	20.5	5
3	256QAM	8	4	18.88	19.04	19.02		
3	256QAM	8	7	18.85	19.03	18.99		
3	256QAM	15	0	18.85	18.97	18.98		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.03	24.27	24.19	25.5	0
1.4	QPSK	1	3	24.02	24.18	24.08		
1.4	QPSK	1	5	23.91	24.09	24.03		
1.4	QPSK	3	0	24.01	24.25	24.19		
1.4	QPSK	3	1	23.98	24.16	24.08		
1.4	QPSK	3	3	23.88	24.10	24.06		
1.4	QPSK	6	0	22.99	23.04	23.15	24.5	1
1.4	16QAM	1	0	22.90	23.03	23.01	24.5	1
1.4	16QAM	1	3	22.80	23.09	22.93		
1.4	16QAM	1	5	22.80	23.03	23.03		
1.4	16QAM	3	0	22.73	22.92	22.82		
1.4	16QAM	3	1	22.71	22.96	22.96		
1.4	16QAM	3	3	22.77	22.84	22.94		
1.4	16QAM	6	0	21.86	22.09	22.08	23.5	2
1.4	64QAM	1	0	21.83	22.02	21.90	23.5	2
1.4	64QAM	1	3	21.84	21.95	21.94		
1.4	64QAM	1	5	21.83	22.10	22.04		
1.4	64QAM	3	0	21.85	22.12	22.09		
1.4	64QAM	3	1	21.85	22.11	22.01		
1.4	64QAM	3	3	21.91	22.02	22.05		
1.4	64QAM	6	0	20.89	21.12	21.03	22.5	3
1.4	256QAM	1	0	18.92	19.05	19.02	20.5	5
1.4	256QAM	1	3	18.83	19.03	18.92		
1.4	256QAM	1	5	18.82	19.03	18.95		
1.4	256QAM	3	0	18.80	18.98	18.97		
1.4	256QAM	3	1	18.88	19.03	19.00		
1.4	256QAM	3	3	18.86	19.03	18.91		
1.4	256QAM	6	0	18.83	18.94	18.95	20.5	5

Band 7 Ant2 Default Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.51	24.65	24.58	25.5	0
20	QPSK	1	49	24.48	24.63	24.52		
20	QPSK	1	99	24.39	24.52	24.47		
20	QPSK	50	0	23.01	23.08	23.06	24.5	1
20	QPSK	50	24	22.94	23.02	23.00		
20	QPSK	50	50	23.00	23.04	22.98		
20	QPSK	100	0	23.02	23.07	23.01		
20	16QAM	1	0	22.96	23.03	23.02	24.5	1
20	16QAM	1	49	22.97	22.98	22.96		
20	16QAM	1	99	22.98	23.00	22.98		
20	16QAM	50	0	22.07	22.10	22.03	23.5	2
20	16QAM	50	24	21.93	21.98	21.98		
20	16QAM	50	50	21.95	22.00	21.96		
20	16QAM	100	0	22.06	22.04	22.00		
20	64QAM	1	0	21.98	22.00	22.03	23.5	2
20	64QAM	1	49	21.97	21.94	21.91		
20	64QAM	1	99	22.02	22.04	21.97		
20	64QAM	50	0	21.04	21.13	21.02	22.5	3
20	64QAM	50	24	20.89	20.99	21.03		
20	64QAM	50	50	20.98	20.99	20.97		
20	64QAM	100	0	20.99	21.01	21.00		
20	256QAM	1	0	19.01	19.08	19.04	20.5	5
20	256QAM	1	49	18.92	19.02	19.04		
20	256QAM	1	99	18.98	19.10	19.02		
20	256QAM	50	0	19.01	19.03	18.99	20.5	5
20	256QAM	50	24	18.93	19.00	19.00		
20	256QAM	50	50	18.93	18.94	18.95		
20	256QAM	100	0	19.03	18.99	18.94		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.48	24.63	24.61	25.5	0
15	QPSK	1	37	24.51	24.63	24.53		
15	QPSK	1	74	24.38	24.51	24.39		
15	QPSK	36	0	22.95	23.05	23.05	24.5	1
15	QPSK	36	20	22.92	22.99	22.96		
15	QPSK	36	39	22.95	22.97	22.91		
15	QPSK	75	0	22.96	22.99	22.94		
15	16QAM	1	0	22.95	22.94	22.97	24.5	1
15	16QAM	1	37	22.94	22.93	22.88		
15	16QAM	1	74	22.96	22.98	22.98		
15	16QAM	36	0	22.08	22.08	22.00	23.5	2
15	16QAM	36	20	21.95	21.98	21.97		
15	16QAM	36	39	21.95	21.98	21.95		
15	16QAM	75	0	21.98	22.00	21.97		
15	64QAM	1	0	21.96	22.02	22.04	23.5	2
15	64QAM	1	37	21.94	21.94	21.91		
15	64QAM	1	74	21.98	22.00	21.94		
15	64QAM	36	0	20.98	21.07	21.03	22.5	3
15	64QAM	36	20	20.89	20.98	21.01		
15	64QAM	36	39	20.97	20.97	21.00		
15	64QAM	75	0	20.91	21.03	20.95		
15	256QAM	1	0	18.94	19.00	19.03	20.5	5
15	256QAM	1	37	18.84	18.94	18.98		
15	256QAM	1	74	18.89	19.01	18.95		
15	256QAM	36	0	18.95	18.96	18.96	20.5	5
15	256QAM	36	20	18.95	18.99	19.01		
15	256QAM	36	39	18.93	18.92	18.90		
15	256QAM	75	0	18.98	18.97	18.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.49	24.64	24.49	25.5	0
10	QPSK	1	25	24.47	24.64	24.45		
10	QPSK	1	49	24.33	24.51	24.40		
10	QPSK	25	0	22.94	23.03	23.09	24.5	1
10	QPSK	25	12	22.90	22.93	23.00		
10	QPSK	25	25	22.96	23.05	22.91		
10	QPSK	50	0	23.05	23.01	22.99		
10	16QAM	1	0	22.95	23.01	23.03	24.5	1
10	16QAM	1	25	22.95	22.94	22.99		
10	16QAM	1	49	22.94	22.95	22.94		
10	16QAM	25	0	22.06	22.06	21.96	23.5	2
10	16QAM	25	12	21.89	21.91	21.90		
10	16QAM	25	25	21.92	22.01	21.91		
10	16QAM	50	0	22.03	22.00	21.93		
10	64QAM	1	0	21.94	22.00	22.04	23.5	2
10	64QAM	1	25	21.93	21.89	21.89		
10	64QAM	1	49	21.96	22.05	21.98		
10	64QAM	25	0	21.01	21.05	20.98	22.5	3
10	64QAM	25	12	20.88	20.95	21.02		
10	64QAM	25	25	20.97	21.01	20.94		
10	64QAM	50	0	20.97	20.92	21.00		
10	256QAM	1	0	18.92	19.03	18.98	20.5	5
10	256QAM	1	25	18.85	18.95	19.00		
10	256QAM	1	49	18.99	19.07	19.04		
10	256QAM	25	0	18.98	19.03	18.99	20.5	5
10	256QAM	25	12	18.89	18.96	19.02		
10	256QAM	25	25	18.84	18.93	18.95		
10	256QAM	50	0	19.03	19.01	18.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.50	24.57	24.54	25.5	0
5	QPSK	1	12	24.40	24.57	24.51		
5	QPSK	1	24	24.37	24.48	24.38		
5	QPSK	12	0	23.03	23.00	23.06	24.5	1
5	QPSK	12	7	22.91	23.03	22.94		
5	QPSK	12	13	23.01	23.04	22.98		
5	QPSK	25	0	22.96	23.02	22.93		
5	16QAM	1	0	22.95	22.98	22.97	24.5	1
5	16QAM	1	12	22.92	22.93	22.89		
5	16QAM	1	24	22.95	23.01	22.98		
5	16QAM	12	0	22.10	22.08	22.02	23.5	2
5	16QAM	12	7	21.92	21.94	21.95		
5	16QAM	12	13	21.92	21.93	21.94		
5	16QAM	25	0	22.02	21.99	22.02		
5	64QAM	1	0	22.01	21.93	22.02	23.5	2
5	64QAM	1	12	21.99	21.93	21.94		
5	64QAM	1	24	21.98	22.04	21.89		
5	64QAM	12	0	21.05	21.12	20.99	22.5	3
5	64QAM	12	7	20.90	20.93	20.95		
5	64QAM	12	13	20.91	21.00	20.93		
5	64QAM	25	0	20.90	20.93	21.00		
5	256QAM	1	0	18.99	19.06	18.96	20.5	5
5	256QAM	1	12	18.94	19.02	19.00		
5	256QAM	1	24	18.97	19.08	18.95		
5	256QAM	12	0	18.99	18.97	18.95	20.5	5
5	256QAM	12	7	18.95	18.95	18.95		
5	256QAM	12	13	18.91	18.90	18.90		
5	256QAM	25	0	19.06	18.92	18.95		

Band 7 Ant2 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.27	20.47	20.30	21	0
20	QPSK	1	49	20.26	20.29	20.28		
20	QPSK	1	99	20.37	20.46	20.29		
20	QPSK	50	0	19.09	19.31	19.30	20	1
20	QPSK	50	24	19.04	19.07	19.27		
20	QPSK	50	50	18.94	18.96	19.30		
20	QPSK	100	0	19.14	19.32	19.30		
20	16QAM	1	0	18.99	19.05	19.26	20	1
20	16QAM	1	49	19.00	18.96	19.23		
20	16QAM	1	99	18.91	18.93	19.27		
20	16QAM	50	0	18.12	18.14	18.28	19	2
20	16QAM	50	24	18.07	18.12	18.29		
20	16QAM	50	50	17.97	17.98	18.32		
20	16QAM	100	0	18.19	18.15	18.35		
20	64QAM	1	0	18.10	18.13	18.24	19	2
20	64QAM	1	49	18.04	18.01	18.21		
20	64QAM	1	99	17.99	17.94	18.24		
20	64QAM	50	0	17.04	17.15	17.37	18	3
20	64QAM	50	24	16.99	17.01	17.32		
20	64QAM	50	50	16.96	16.93	17.28		
20	64QAM	100	0	17.17	17.15	17.36		
20	256QAM	1	0	15.24	15.27	15.49	16	5
20	256QAM	1	49	15.20	15.24	15.50		
20	256QAM	1	99	15.14	15.17	15.49		
20	256QAM	50	0	15.32	15.33	15.48	16	5
20	256QAM	50	24	15.21	15.23	15.47		
20	256QAM	50	50	15.22	15.19	15.43		
20	256QAM	100	0	15.07	15.08	15.48		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.24	20.37	20.26	21	0
15	QPSK	1	37	20.24	20.23	20.21		
15	QPSK	1	74	20.31	20.44	20.22		
15	QPSK	36	0	19.02	19.07	19.34	20	1
15	QPSK	36	20	19.02	19.04	19.29		
15	QPSK	36	39	18.93	18.91	19.24		
15	QPSK	75	0	19.14	19.10	19.27		
15	16QAM	1	0	19.01	18.96	19.21	20	1
15	16QAM	1	37	19.02	18.89	19.17		
15	16QAM	1	74	18.88	18.90	19.26		
15	16QAM	36	0	18.11	18.14	18.23	19	2
15	16QAM	36	20	18.08	18.03	18.22		
15	16QAM	36	39	17.89	17.92	18.33		
15	16QAM	75	0	18.19	18.18	18.37		
15	64QAM	1	0	18.03	18.05	18.23	19	2
15	64QAM	1	37	18.03	17.98	18.15		
15	64QAM	1	74	17.91	17.94	18.22		
15	64QAM	36	0	17.03	17.13	17.32	18	3
15	64QAM	36	20	17.01	16.93	17.25		
15	64QAM	36	39	16.97	16.92	17.29		
15	64QAM	75	0	17.18	17.13	17.33		
15	256QAM	1	0	15.19	15.21	15.50	16	5
15	256QAM	1	37	15.15	15.22	15.46		
15	256QAM	1	74	15.07	15.12	15.47		
15	256QAM	36	0	15.30	15.33	15.50	16	5
15	256QAM	36	20	15.23	15.22	15.48		
15	256QAM	36	39	15.19	15.18	15.43		
15	256QAM	75	0	15.02	15.06	15.41		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.23	20.29	20.27	21	0
10	QPSK	1	25	20.19	20.28	20.21		
10	QPSK	1	49	20.39	20.40	20.27		
10	QPSK	25	0	19.08	19.13	19.31	20	1
10	QPSK	25	12	19.03	19.10	19.22		
10	QPSK	25	25	18.86	18.97	19.26		
10	QPSK	50	0	19.12	19.10	19.35		
10	16QAM	1	0	18.97	19.02	19.19	20	1
10	16QAM	1	25	19.03	18.91	19.15		
10	16QAM	1	49	18.90	18.90	19.28		
10	16QAM	25	0	18.06	18.11	18.28	19	2
10	16QAM	25

Band 38 Ant2 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.23	21.29	21.24	22	0
20	QPSK	1	49	21.11	21.19	21.24		
20	QPSK	1	99	21.04	21.14	21.21		
20	QPSK	50	0	20.12	20.27	20.20	21	1
20	QPSK	50	24	20.12	20.24	20.25		
20	QPSK	50	50	20.16	20.24	20.23		
20	QPSK	100	0	20.07	20.17	20.14		
20	16QAM	1	0	20.20	20.25	20.27	21	1
20	16QAM	1	49	20.17	20.23	20.25		
20	16QAM	1	99	20.16	20.22	20.27		
20	16QAM	50	0	19.13	19.21	19.26	20	2
20	16QAM	50	24	19.07	19.15	19.17		
20	16QAM	50	50	19.14	19.22	19.21		
20	16QAM	100	0	18.78	18.92	18.89		
20	64QAM	1	0	19.57	19.67	19.62	20	2
20	64QAM	1	49	19.53	19.64	19.65		
20	64QAM	1	99	19.49	19.65	19.64		
20	64QAM	50	0	18.08	18.23	18.25	19	3
20	64QAM	50	24	18.15	18.21	18.23		
20	64QAM	50	50	18.11	18.17	18.12		
20	64QAM	100	0	17.81	17.90	17.94		
20	256QAM	1	0	16.08	16.21	16.16	17	5
20	256QAM	1	49	16.12	16.18	16.14		
20	256QAM	1	99	16.04	16.20	16.19		
20	256QAM	50	0	16.20	16.25	16.20	17	5
20	256QAM	50	24	16.20	16.24	16.22		
20	256QAM	50	50	16.06	16.17	16.22		
20	256QAM	100	0	16.09	16.23	16.24		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.20	21.26	21.22	22	0
15	QPSK	1	37	21.04	21.11	21.22		
15	QPSK	1	74	20.96	21.10	21.26		
15	QPSK	36	0	20.09	20.15	20.22	21	1
15	QPSK	36	20	20.04	20.25	20.21		
15	QPSK	36	39	20.13	20.22	20.33		
15	QPSK	75	0	20.04	20.15	20.12		
15	16QAM	1	0	20.16	20.20	20.24	21	1
15	16QAM	1	37	20.11	20.18	20.25		
15	16QAM	1	74	20.09	20.14	20.20		
15	16QAM	36	0	19.11	19.19	19.26	20	2
15	16QAM	36	20	19.06	19.17	19.15		
15	16QAM	36	39	19.09	19.21	19.20		
15	16QAM	75	0	18.69	18.84	18.82		
15	64QAM	1	0	19.55	19.68	19.58	20	2
15	64QAM	1	37	19.55	19.60	19.65		
15	64QAM	1	74	19.49	19.62	19.65		
15	64QAM	36	0	18.09	18.26	18.16	19	3
15	64QAM	36	20	18.11	18.23	18.19		
15	64QAM	36	39	18.07	18.20	18.11		
15	64QAM	75	0	17.76	17.90	17.91		
15	256QAM	1	0	16.09	16.20	16.09	17	5
15	256QAM	1	37	16.14	16.12	16.16		
15	256QAM	1	74	15.98	16.15	16.21		
15	256QAM	36	0	16.23	16.25	16.20	17	5
15	256QAM	36	20	16.11	16.26	16.15		
15	256QAM	36	39	15.98	16.13	16.18		
15	256QAM	75	0	16.08	16.17	16.23		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.18	21.25	21.19	22	0
10	QPSK	1	25	21.08	21.10	21.22		
10	QPSK	1	49	20.95	21.11	21.27		
10	QPSK	25	0	20.05	20.20	20.28	21	1
10	QPSK	25	12	20.11	20.26	20.24		
10	QPSK	25	25	20.09	20.22	20.31		
10	QPSK	50	0	20.00	20.17	20.06		
10	16QAM	1	0	20.22	20.20	20.23	21	1
10	16QAM	1	25	20.11	20.21	20.19		
10	16QAM	1	49	20.12	20.16	20.22		
10	16QAM	25	0	19.12	19.16	19.19	20	2
10	16QAM	25	12	19.02	19.06	19.15		
10	16QAM	25	25	19.10	19.23	19.13		
10	16QAM	50	0	18.75	18.89	18.92		
10	64QAM	1	0	19.60	19.69	19.55	20	2
10	64QAM	1	25	19.51	19.59	19.58		
10	64QAM	1	49	19.51	19.61	19.64		
10	64QAM	25	0	18.11	18.19	18.26	19	3
10	64QAM	25	12	18.18	18.22	18.20		
10	64QAM	25	25	18.09	18.19	18.05		
10	64QAM	50	0	17.80	17.83	17.97		
10	256QAM	1	0	15.99	16.24	16.08	17	5
10	256QAM	1	25	16.09	16.11	16.10		
10	256QAM	1	49	15.96	16.19	16.20		
10	256QAM	25	0	16.13	16.16	16.23	17	5
10	256QAM	25	12	16.15	16.25	16.22		
10	256QAM	25	25	16.04	16.15	16.21		
10	256QAM	50	0	16.10	16.22	16.23		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.17	21.21	21.24	22	0
5	QPSK	1	12	21.14	21.15	21.20		
5	QPSK	1	24	20.97	21.12	21.22		
5	QPSK	12	0	20.10	20.18	20.28	21	1
5	QPSK	12	7	20.04	20.23	20.25		
5	QPSK	12	13	20.17	20.29	20.33		
5	QPSK	25	0	20.02	20.14	20.09		
5	16QAM	1	0	20.12	20.26	20.29	21	1
5	16QAM	1	12	20.20	20.22	20.19		
5	16QAM	1	24	20.10	20.15	20.20		
5	16QAM	12	0	19.14	19.21	19.17	20	2
5	16QAM	12	7	18.98	19.18	19.10		
5	16QAM	12	13	19.12	19.15	19.24		
5	16QAM	25	0	18.75	18.91	18.89		
5	64QAM	1	0	19.53	19.65	19.55	20	2
5	64QAM	1	12	19.50	19.58	19.59		
5	64QAM	1	24	19.45	19.59	19.58		
5	64QAM	12	0	18.10	18.21	18.19	19	3
5	64QAM	12	7	18.08	18.19	18.15		
5	64QAM	12	13	18.07	18.15	18.05		
5	64QAM	25	0	17.73	17.88	17.86		
5	256QAM	1	0	16.01	16.19	16.08	17	5
5	256QAM	1	12	16.06	16.18	16.13		
5	256QAM	1	24	15.95	16.15	16.20		
5	256QAM	12	0	16.13	16.16	16.14	17	5
5	256QAM	12	7	16.22	16.25	16.21		
5	256QAM	12	13	16.09	16.18	16.16		
5	256QAM	25	0	16.01	16.25	16.24		

Band 41 Ant2 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.43	21.22	21.47	21.24	21.42	22	0
20	QPSK	1	49	21.45	21.20	21.41	21.17	21.39		
20	QPSK	1	99	21.42	21.16	21.40	21.16	21.41		
20	QPSK	50	0	20.38	20.20	20.50	20.30	20.39	21	1
20	QPSK	50	24	20.47	20.26	20.42	20.16	20.44		
20	QPSK	50	50	20.41	20.15	20.38	20.17	20.45		
20	QPSK	100	0	20.37	20.27	20.46	20.21	20.41		
20	16QAM	1	0	20.44	20.25	20.40	20.16	20.35	21	1
20	16QAM	1	49	20.41	20.21	20.36	20.10	20.42		
20	16QAM	1	99	20.47	20.15	20.37	20.22	20.38		
20	16QAM	50	0	19.42	19.22	19.50	19.32	19.44	20	2
20	16QAM	50	24	19.41	19.31	19.47	19.17	19.48		
20	16QAM	50	50	19.44	19.13	19.37	19.18	19.43		
20	16QAM	100	0	19.42	19.25	19.45	19.26	19.46		
20	64QAM	1	0	19.49	19.26	19.40	19.17	19.35	20	2
20	64QAM	1	49	19.36	19.20	19.33	19.08	19.46		
20	64QAM	1	99	19.51	19.15	19.38	19.18	19.38		
20	64QAM	50	0	18.32	18.25	18.49	18.26	18.34	19	3
20	64QAM	50	24	18.48	18.30	18.42	18.11	18.42		
20	64QAM	50	50	18.37	18.17	18.40	18.14	18.50		
20	64QAM	100	0	18.33	18.23	18.45	18.17	18.43		
20	256QAM	1	0	16.39	16.15	16.46	16.33	16.34	17	5
20	256QAM	1	49	16.52	16.28	16.37	16.15	16.40		
20	256QAM	1	99	16.45	16.17	16.33	16.11	16.47		
20	256QAM	50	0	16.34	16.26	16.44	16.19	16.36	17	5
20	256QAM	50	24	16.44	16.28	16.44	16.21	16.31		
20	256QAM	50	50	16.45	16.19	16.36	16.05	16.44		
20	256QAM	100	0	16.53	16.21	16.43	16.18	16.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.46	21.15	21.42	21.26	21.44	22	0
15	QPSK	1	37	21.37	21.19	21.35	21.16	21.32		
15	QPSK	1	74	21.35	21.12	21.31	21.09	21.36		
15	QPSK	36	0	20.39	20.16	20.46	20.27	20.36	21	1
15	QPSK	36	20	20.43	20.23	20.35	20.18	20.40		
15	QPSK	36	39	20.39	20.16	20.35	20.19	20.43		
15	QPSK	75	0	20.39	20.21	20.39	20.16	20.42		
15	16QAM	1	0	20.46	20.22	20.32	20.16	20.34	21	1
15	16QAM	1	37	20.40	20.20	20.29	20.12	20.41		
15	16QAM	1	74	20.39	20.17	20.37	20.17	20.36		
15	16QAM	36	0	19.41	19.15	19.43	19.32	19.37	20	2
15	16QAM	36	20	19.42	19.28	19.40	19.13	19.44		
15	16QAM	36	39	19.45	19.14	19.36	19.16	19.38		
15	16QAM	75	0	19.38	19.27	19.47	19.26	19.41		
15	64QAM	1	0	19.46	19.19	19.37	19.17	19.31	20	2
15	64QAM	1	37	19.33	19.18	19.29	19.03	19.49		
15	64QAM	1	74	19.48	19.15	19.31	19.11	19.35		
15	64QAM	36	0	18.30	18.21	18.44	18.27	18.31	19	3
15	64QAM	36	20	18.39	18.25	18.41	18.10	18.35		
15	64QAM	36	39	18.39	18.11	18.33	18.13	18.42		
15	64QAM	75	0	18.32	18.21	18.46	18.10	18.41		
15	256QAM	1	0	16.40	16.17	16.48	16.27	16.34	17	5
15	256QAM	1	37	16.47	16.26	16.36	16.14	16.32		
15	256QAM	1	74	16.44	16.13	16.25	16.13	16.43		
15	256QAM	36	0	16.27	16.20	16.46	16.17	16.34	17	5
15	256QAM	36	20	16.35	16.19	16.36	16.15	16.30		
15	256QAM	36	39	16.48	16.14	16.33	16.05	16.40		
15	256QAM	75	0	16.55	16.17	16.44	16.09	16.40		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.40	21.25	21.45	21.23	21.39	22	0
10	QPSK	1	25	21.40	21.12	21.40	21.11	21.39		
10	QPSK	1	49	21.40	21.09	21.36	21.12	21.36		
10	QPSK	25	0	20.37	20.14	20.50	20.29	20.40	21	1
10	QPSK	25	12	20.44	20.21	20.35	20.10	20.38		
10	QPSK	25	25	20.33	20.07	20.30	20.19	20.41		
10	QPSK	50	0	20.34	20.30	20.47	20.20	20.43		
10	16QAM	1	0	20.46	20.25	20.42	20.07	20.38	21	1
10	16QAM	1	25	20.37	20.23	20.27	20.08	20.38		
10	16QAM	1	49	20.48	20.14	20.30	20.23	20.36		
10	16QAM	25	0	19.41	19.21	19.46	19.32	19.44	20	2
10	16QAM	25	12	19.34	19.33	19.47	19.18	19.47		
10	16QAM	25	25	19.44	19.13	19.36	19.14	19.44		
10	16QAM	50	0	19.34	19.23	19.41	19.29	19.40		
10	64QAM	1	0	19.48	19.28	19.39	19.12	19.35	20	2
10	64QAM	1	25	19.37	19.12	19.32	19.03	19.47		
10	64QAM	1	49	19.52	19.17	19.40	19.11	19.36		
10	64QAM	25	0	18.26	18.23	18.46	18.26	18.32	19	3
10	64QAM	25	12	18.39	18.31	18.35	18.03	18.36		
10	64QAM	25	25	18.35	18.08	18.32	18.11	18.51		
10	64QAM	50	0	18.33	18.20	18.45	18.15	18.44		
10	256QAM	1	0	16.38	16.07	16.44	16.31	16.32	17	5
10	256QAM	1	25	16.54	16.27	16.37	16.13	16.33		
10	256QAM	1	49	16.45	16.10	16.28	16.04	16.40		
10	256QAM	25	0	16.27	16.29	16.46	16.13	16.36	17	5
10	256QAM	25	12	16.39	16.31	16.36	16.16	16.32		
10	256QAM	25	25	16.38	16.11	16.37	16.07	16.46		
10	256QAM	50	0	16.48	16.12	16.38	16.14	16.34		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.39	21.20	21.45	21.24	21.38	22	0
5	QPSK	1	12	21.45	21.14	21.42	21.17	21.37		
5	QPSK	1	24	21.36	21.16	21.42	21.14	21.42		
5	QPSK	12	0	20.36	20.16	20.42	20.21	20.34	21	1
5	QPSK	12	7	20.40	20.18	20.36	20.10	20.41		
5	QPSK	12	13	20.41	20.11	20.29	20.14	20.47		
5	QPSK	25	0	20.33	20.26	20.43	20.18	20.38		
5	16QAM	1	0	20.44	20.19	20.42	20.10	20.38	21	1
5	16QAM	1	12	20.42	20.16	20.30	20.03	20.42		
5	16QAM	1	24	20.48	20.07	20.39	20.19	20.38		
5	16QAM	12	0	19.43	19.25	19.46	19.32	19.35	20	2
5	16QAM	12	7	19.42	19.28	19.48	19.16	19.47		
5	16QAM	12	13	19.45	19.09	19.34	19.20	19.40		
5	16QAM	25	0	19.43	19.26	19.36	19.17	19.46		
5	64QAM	1	0	19.48	19.21	19.36	19.18	19.29	20	2
5	64QAM	1	12	19.32	19.19	19.30	19.04	19.49		
5	64QAM	1	24	19.45	19.16	19.36	19.20	19.41		
5	64QAM	12	0	18.33	18.22	18.43	18.23	18.33	19	3
5	64QAM	12	7	18.39	18.24	18.34	18.11	18.45		
5	64QAM	12	13	18.40	18.08	18.32	18.07	18.43		
5	64QAM	25	0	18.33	18.16	18.44	18.15	18.37		
5	256QAM	1	0	16.35	16.13	16.42	16.36	16.32	17	5
5	256QAM	1	12	16.48	16.26	16.29	16.10	16.32		
5	256QAM	1	24	16.41	16.18	16.26	16.14	16.42		
5	256QAM	12	0	16.35	16.26	16.39	16.11	16.33	17	5
5	256QAM	12	7	16.42	16.25	16.38	16.24	16.25		
5	256QAM	12	13	16.44	16.10	16.34	15.97	16.39		
5	256QAM	25	0	16.46	16.21	16.34	16.10	16.39		

Band 2 Ant3 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.84	24.02	23.92	24.5	0
20	QPSK	1	49	23.79	23.98	24.00		
20	QPSK	1	99	23.68	23.91	23.91		
20	QPSK	50	0	22.63	22.88	22.84	23.5	1
20	QPSK	50	24	22.54	22.76	22.71		
20	QPSK	50	50	22.55	22.78	22.78		
20	QPSK	100	0	22.54	22.74	22.72		
20	16QAM	1	0	22.38	22.58	22.51	23.5	1
20	16QAM	1	49	22.30	22.51	22.48		
20	16QAM	1	99	22.28	22.54	22.48		
20	16QAM	50	0	21.48	21.72	21.74	22.5	2
20	16QAM	50	24	21.54	21.68	21.60		
20	16QAM	50	50	21.47	21.71	21.68		
20	16QAM	100	0	21.48	21.68	21.59		
20	64QAM	1	0	21.70	21.87	21.90	22.5	2
20	64QAM	1	49	21.65	21.86	21.88		
20	64QAM	1	99	21.67	21.84	21.79		
20	64QAM	50	0	20.49	20.74	20.69	21.5	3
20	64QAM	50	24	20.57	20.71	20.65		
20	64QAM	50	50	20.56	20.70	20.71		
20	64QAM	100	0	20.49	20.67	20.59		
20	256QAM	1	0	18.48	18.65	18.64	19.5	5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.85	24.01	23.85	24.5	0
15	QPSK	1	37	23.75	23.94	24.00		
15	QPSK	1	74	23.60	23.87	23.86		
15	QPSK	36	0	22.61	22.83	22.77	23.5	1
15	QPSK	36	20	22.48	22.74	22.66		
15	QPSK	36	39	22.55	22.72	22.70		
15	QPSK	75	0	22.57	22.77	22.68		
15	16QAM	1	0	22.35	22.54	22.43	23.5	1
15	16QAM	1	37	22.23	22.46	22.39		
15	16QAM	1	74	22.25	22.55	22.39		
15	16QAM	36	0	21.50	21.67	21.66	22.5	2
15	16QAM	36	20	21.51	21.60	21.59		
15	16QAM	36	39	21.45	21.71	21.65		
15	16QAM	75	0	21.45	21.68	21.62		
15	64QAM	1	0	21.62	21.82	21.84	22.5	2
15	64QAM	1	37	21.57	21.78	21.84		
15	64QAM	1	74	21.68	21.78	21.80		
15	64QAM	36	0	20.48	20.74	20.68	21.5	3
15	64QAM	36	20	20.59	20.64	20.61		
15	64QAM	36	39	20.56	20.69	20.69		
15	64QAM	75	0	20.47	20.68	20.62		
15	256QAM	1	0	18.41	18.65	18.59	19.5	5
15	256QAM	1	37	18.43	18.56	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.82	23.96	23.85	24.5	0
10	QPSK	1	25	23.72	23.94	23.96		
10	QPSK	1	49	23.62	23.85	23.91		
10	QPSK	25	0	22.58	22.86	22.78	23.5	1
10	QPSK	25	12	22.48	22.78	22.68		
10	QPSK	25	25	22.50	22.79	22.76		
10	QPSK	50	0	22.52	22.70	22.64		
10	16QAM	1	0	22.31	22.58	22.53	23.5	1
10	16QAM	1	25	22.23	22.46	22.44		
10	16QAM	1	49	22.28	22.52	22.50		
10	16QAM	25	0	21.45	21.66	21.68	22.5	2
10	16QAM	25	12	21.55	21.65	21.61		
10	16QAM	25	25	21.40	21.70	21.69		
10	16QAM	50	0	21.40	21.63	21.57		
10	64QAM	1	0	21.62	21.82	21.88	22.5	2
10	64QAM	1	25	21.66	21.79	21.89		
10	64QAM	1	49	21.65	21.85	21.71		
10	64QAM	25	0	20.50	20.76	20.63	21.5	3
10	64QAM	25	12	20.58	20.63	20.67		
10	64QAM	25	25	20.53	20.62	20.66		
10	64QAM	50	0	20.46	20.63	20.59		
10	256QAM	1	0	18.46	18.56	18.57	19.5	5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.84	23.94	23.92	24.5	0
5	QPSK	1	12	23.81	23.98	23.98		
5	QPSK	1	24	23.59	23.83	23.94		
5	QPSK	12	0	22.62	22.91	22.86	23.5	1
5	QPSK	12	7	22.45	22.75	22.63		
5	QPSK	12	13	22.50	22.71	22.73		
5	QPSK	25	0	22.56	22.70	22.74		
5	16QAM	1	0	22.38	22.50	22.45	23.5	1
5	16QAM	1	12	22.30	22.50	22.49		
5	16QAM	1	24	22.23	22.49	22.41		
5	16QAM	12	0	21.45	21.67	21.74	22.5	2
5	16QAM	12	7	21.54	21.65	21.62		
5	16QAM	12	13	21.41	21.70	21.69		
5	16QAM	25	0	21.49	21.65	21.51		
5	64QAM	1	0	21.62	21.81	21.81	22.5	2
5	64QAM	1	12	21.61	21.80	21.88		
5	64QAM	1	24	21.59	21.84	21.77		
5	64QAM	12	0	20.44	20.65	20.65	21.5	3
5	64QAM	12	7	20.54	20.67	20.64		
5	64QAM	12	13	20.56	20.63	20.68		
5	64QAM	25	0	20.40	20.67	20.54		
5	256QAM	1	0	18.41	18.58	18.61	19.5	5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.77	23.94	23.92	24.5	0
3	QPSK	1	8	23.73	23.99	23.99		
3	QPSK	1	14	23.68	23.87	23.89		
3	QPSK	8	0	22.62	22.86	22.77	23.5	1
3	QPSK	8	4	22.51	22.72	22.64		
3	QPSK	8	7	22.49	22.69	22.70		
3	QPSK	15	0	22.46	22.71	22.63		
3	16QAM	1	0	22.40	22.59	22.50	23.5	1
3	16QAM	1	8	22.32	22.44	22.41		
3	16QAM	1	14	22.27	22.53	22.48		
3	16QAM	8	0	21.50	21.72	21.77	22.5	2
3	16QAM	8	4	21.55	21.68	21.54		
3	16QAM	8	7	21.39	21.63	21.68		
3	16QAM	15	0	21.44	21.67	21.61		
3	64QAM	1	0	21.71	21.87	21.81	22.5	2
3	64QAM	1	8	21.66	21.80	21.83		
3	64QAM	1	14	21.62	21.81	21.72		
3	64QAM	8	0	20.41	20.72	20.63	21.5	3
3	64QAM	8	4	20.53	20.68	20.62		
3	64QAM	8	7	20.53	20.70	20.68		
3	64QAM	15	0	20.44	20.58	20.60		
3	256QAM	1	0	18.45	18.58	18.62	19.5	5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.81	23.96	23.93	24.5	0
1.4	QPSK	1	3	23.75	23.95	23.92		
1.4	QPSK	1	5	23.64	23.94	23.93		
1.4	QPSK	3	0	23.76	23.93	23.87		
1.4	QPSK	3	1	23.72	23.94	23.95		
1.4	QPSK	3	3	23.67	23.94	23.92		
1.4	QPSK	6	0	22.63	22.89	22.76	23.5	1
1.4	16QAM	1	0	22.55	22.73	22.62	23.5	1
1.4	16QAM	1	3	22.49	22.70	22.69		
1.4	16QAM	1	5	22.56	22.68	22.73		
1.4	16QAM	3	0	22.34	22.59	22.43		
1.4	16QAM	3	1	22.29	22.49	22.44		
1.4	16QAM	3	3	22.20	22.47	22.46		
1.4	16QAM	6	0	21.42	21.72	21.69	22.5	2
1.4	64QAM	1	0	21.45	21.61	21.62	22.5	2
1.4	64QAM	1	3	21.42	21.64	21.62		
1.4	64QAM	1	5	21.43	21.69	21.59		
1.4	64QAM	3	0	21.64	21.88	21.82		
1.4	64QAM	3	1	21.62	21.80	21.82		
1.4	64QAM	3	3	21.65	21.80	21.77		
1.4	64QAM	6	0	20.52	20.65	20.68	21.5	3
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	5

Band 7 Ant3 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.52	23.65	23.63	24.5	0
20	QPSK	1	49	23.36	23.55	23.54		
20	QPSK	1	99	23.35	23.53	23.45		
20	QPSK	50	0	22.38	22.52	22.46	23.5	1
20	QPSK	50	24	22.31	22.46	22.39		
20	QPSK	50	50	22.24	22.38	22.33		
20	QPSK	100	0	22.27	22.44	22.40		
20	16QAM	1	0	22.29	22.39	22.38	23.5	1
20	16QAM	1	49	22.18	22.33	22.34		
20	16QAM	1	99	22.28	22.37	22.31		
20	16QAM	50	0	21.28	21.41	21.35	22.5	2
20	16QAM	50	24	21.28	21.41	21.32		
20	16QAM	50	50	21.22	21.36	21.28		
20	16QAM	100	0	21.20	21.40	21.39		
20	64QAM	1	0	21.46	21.57	21.49	22.5	2
20	64QAM	1	49	21.38	21.55	21.54		
20	64QAM	1	99	21.35	21.52	21.49		
20	64QAM	50	0	20.20	20.35	20.30	21.5	3
20	64QAM	50	24	20.24	20.37	20.36		
20	64QAM	50	50	20.16	20.32	20.23		
20	64QAM	100	0	20.28	20.45	20.42		
20	256QAM	1	0	18.40	18.56	18.54	19.5	5
20	256QAM	1	49	18.36	18.49	18.46		
20	256QAM	1	99	18.35	18.52	18.49		
20	256QAM	50	0	18.42	18.52	18.47	19.5	5
20	256QAM	50	24	18.38	18.57	18.52		
20	256QAM	50	50	18.39	18.52	18.45		
20	256QAM	100	0	18.43	18.59	18.54		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.50	23.60	23.61	24.5	0
15	QPSK	1	37	23.30	23.49	23.54		
15	QPSK	1	74	23.34	23.47	23.47		
15	QPSK	36	0	22.34	22.54	22.48	23.5	1
15	QPSK	36	20	22.24	22.41	22.39		
15	QPSK	36	39	22.27	22.35	22.25		
15	QPSK	75	0	22.21	22.35	22.40		
15	16QAM	1	0	22.30	22.32	22.38	23.5	1
15	16QAM	1	37	22.10	22.31	22.33		
15	16QAM	1	74	22.25	22.35	22.31		
15	16QAM	36	0	21.25	21.35	21.37	22.5	2
15	16QAM	36	20	21.19	21.39	21.28		
15	16QAM	36	39	21.19	21.36	21.24		
15	16QAM	75	0	21.22	21.36	21.40		
15	64QAM	1	0	21.47	21.51	21.44	22.5	2
15	64QAM	1	37	21.37	21.49	21.51		
15	64QAM	1	74	21.27	21.52	21.52		
15	64QAM	36	0	20.18	20.32	20.31	21.5	3
15	64QAM	36	20	20.23	20.37	20.37		
15	64QAM	36	39	20.16	20.28	20.18		
15	64QAM	75	0	20.28	20.41	20.38		
15	256QAM	1	0	18.33	18.52	18.55	19.5	5
15	256QAM	1	37	18.36	18.40	18.39		
15	256QAM	1	74	18.32	18.46	18.51		
15	256QAM	36	0	18.44	18.47	18.47	19.5	5
15	256QAM	36	20	18.40	18.59	18.54		
15	256QAM	36	39	18.40	18.49	18.37		
15	256QAM	75	0	18.35	18.51	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.47	23.64	23.54	24.5	0
10	QPSK	1	25	23.30	23.54	23.50		
10	QPSK	1	49	23.31	23.55	23.43		
10	QPSK	25	0	22.30	22.43	22.39	23.5	1
10	QPSK	25	12	22.30	22.45	22.39		
10	QPSK	25	25	22.19	22.34	22.27		
10	QPSK	50	0	22.23	22.41	22.35		
10	16QAM	1	0	22.24	22.30	22.40	23.5	1
10	16QAM	1	25	22.09	22.30	22.31		
10	16QAM	1	49	22.27	22.33	22.31		
10	16QAM	25	0	21.28	21.42	21.28	22.5	2
10	16QAM	25	12	21.26	21.39	21.24		
10	16QAM	25	25	21.21	21.36	21.21		
10	16QAM	50	0	21.18	21.40	21.37		
10	64QAM	1	0	21.37	21.58	21.44	22.5	2
10	64QAM	1	25	21.34	21.48	21.56		
10	64QAM	1	49	21.30	21.44	21.42		
10	64QAM	25	0	20.12	20.30	20.33	21.5	3
10	64QAM	25	12	20.27	20.29	20.38		
10	64QAM	25	25	20.13	20.34	20.22		
10	64QAM	50	0	20.28	20.47	20.39		
10	256QAM	1	0	18.33	18.55	18.45	19.5	5
10	256QAM	1	25	18.37	18.49	18.37		
10	256QAM	1	49	18.29	18.48	18.49		
10	256QAM	25	0	18.44	18.44	18.48	19.5	5
10	256QAM	25	12	18.36	18.53	18.51		
10	256QAM	25	25	18.38	18.47	18.42		
10	256QAM	50	0	18.35	18.62	18.51		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.52	23.62	23.56	24.5	0
5	QPSK	1	12	23.28	23.55	23.57		
5	QPSK	1	24	23.27	23.45	23.38		
5	QPSK	12	0	22.36	22.45	22.38	23.5	1
5	QPSK	12	7	22.26	22.46	22.37		
5	QPSK	12	13	22.25	22.36	22.26		
5	QPSK	25	0	22.29	22.39	22.44		
5	16QAM	1	0	22.25	22.36	22.41	23.5	1
5	16QAM	1	12	22.16	22.34	22.29		
5	16QAM	1	24	22.25	22.38	22.26		
5	16QAM	12	0	21.22	21.42	21.35	22.5	2
5	16QAM	12	7	21.20	21.41	21.33		
5	16QAM	12	13	21.21	21.41	21.27		
5	16QAM	25	0	21.19	21.39	21.35		
5	64QAM	1	0	21.39	21.60	21.45	22.5	2
5	64QAM	1	12	21.40	21.49	21.54		
5	64QAM	1	24	21.37	21.50	21.49		
5	64QAM	12	0	20.16	20.30	20.28	21.5	3
5	64QAM	12	7	20.17	20.37	20.29		
5	64QAM	12	13	20.08	20.26	20.22		
5	64QAM	25	0	20.28	20.44	20.38		
5	256QAM	1	0	18.34	18.49	18.52	19.5	5
5	256QAM	1	12	18.31	18.45	18.46		
5	256QAM	1	24	18.32	18.49	18.48		
5	256QAM	12	0	18.42	18.46	18.43	19.5	5
5	256QAM	12	7	18.36	18.52	18.46		
5	256QAM	12	13	18.35	18.52	18.38		
5	256QAM	25	0	18.41	18.53	18.53		

Band 7 Ant3 Default Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.66	23.67	23.65	24.5	0
20	QPSK	1	49	23.50	23.51	23.53		
20	QPSK	1	99	23.56	23.55	23.50		
20	QPSK	50	0	22.57	22.65	22.62	23.5	1
20	QPSK	50	24	22.56	22.61	22.61		
20	QPSK	50	50	22.58	22.57	22.54		
20	QPSK	100	0	22.54	22.63	22.60		
20	16QAM	1	0	22.69	22.64	22.63	23.5	1
20	16QAM	1	49	22.51	22.46	22.59		
20	16QAM	1	99	22.53	22.51	22.47		
20	16QAM	50	0	21.58	21.62	21.60	22.5	2
20	16QAM	50	24	21.52	21.55	21.55		
20	16QAM	50	50	21.55	21.61	21.51		
20	16QAM	100	0	21.50	21.66	21.59		
20	64QAM	1	0	21.71	21.62	21.57	22.5	2
20	64QAM	1	49	21.55	21.41	21.57		
20	64QAM	1	99	21.54	21.49	21.42		
20	64QAM	50	0	20.58	20.70	20.58	21.5	3
20	64QAM	50	24	20.58	20.62	20.63		
20	64QAM	50	50	20.62	20.52	20.57		
20	64QAM	100	0	20.52	20.65	20.58		
20	256QAM	1	0	18.55	18.66	18.62	19.5	5
20	256QAM	1	49	18.58	18.63	18.60		
20	256QAM	1	99	18.52	18.56	18.55		
20	256QAM	50	0	18.57	18.62	18.55	19.5	5
20	256QAM	50	24	18.66	18.60	18.66		
20	256QAM	50	50	18.51	18.47	18.59		
20	256QAM	100	0	18.48	18.53	18.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.66	23.65	23.61	24.5	0
15	QPSK	1	37	23.53	23.44	23.54		
15	QPSK	1	74	23.47	23.52	23.42		
15	QPSK	36	0	22.51	22.61	22.59	23.5	1
15	QPSK	36	20	22.51	22.53	22.53		
15	QPSK	36	39	22.56	22.51	22.53		
15	QPSK	75	0	22.55	22.61	22.55		
15	16QAM	1	0	22.69	22.57	22.66	23.5	1
15	16QAM	1	37	22.43	22.39	22.58		
15	16QAM	1	74	22.55	22.52	22.41		
15	16QAM	36	0	21.57	21.64	21.60	22.5	2
15	16QAM	36	20	21.51	21.58	21.56		
15	16QAM	36	39	21.49	21.55	21.50		
15	16QAM	75	0	21.49	21.65	21.51		
15	64QAM	1	0	21.72	21.58	21.56	22.5	2
15	64QAM	1	37	21.51	21.42	21.58		
15	64QAM	1	74	21.52	21.41	21.35		
15	64QAM	36	0	20.53	20.62	20.52	21.5	3
15	64QAM	36	20	20.51	20.56	20.54		
15	64QAM	36	39	20.62	20.44	20.54		
15	64QAM	75	0	20.52	20.66	20.53		
15	256QAM	1	0	18.51	18.64	18.61	19.5	5
15	256QAM	1	37	18.50	18.59	18.54		
15	256QAM	1	74	18.46	18.48	18.51		
15	256QAM	36	0	18.54	18.61	18.51	19.5	5
15	256QAM	36	20	18.59	18.63	18.65		
15	256QAM	36	39	18.43	18.39	18.56		
15	256QAM	75	0	18.42	18.55	18.46		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.62	23.64	23.59	24.5	0
10	QPSK	1	25	23.51	23.49	23.50		
10	QPSK	1	49	23.58	23.54	23.49		
10	QPSK	25	0	22.58	22.67	22.57	23.5	1
10	QPSK	25	12	22.50	22.63	22.53		
10	QPSK	25	25	22.54	22.56	22.55		
10	QPSK	50	0	22.49	22.54	22.60		
10	16QAM	1	0	22.62	22.65	22.66	23.5	1
10	16QAM	1	25	22.48	22.37	22.50		
10	16QAM	1	49	22.51	22.51	22.45		
10	16QAM	25	0	21.58	21.65	21.61

Band 38 Ant3 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.43	24.58	24.47	25	0
20	QPSK	1	49	24.46	24.55	24.47		
20	QPSK	1	99	23.96	24.08	23.96		
20	QPSK	50	0	23.34	23.43	23.33	24	1
20	QPSK	50	24	23.32	23.40	23.26		
20	QPSK	50	50	23.26	23.35	23.27		
20	QPSK	100	0	23.31	23.41	23.32		
20	16QAM	1	0	23.20	23.26	23.17	24	1
20	16QAM	1	49	23.19	23.27	23.15		
20	16QAM	1	99	23.14	23.20	23.10		
20	16QAM	50	0	22.25	22.41	22.33	23	2
20	16QAM	50	24	22.25	22.40	22.29		
20	16QAM	50	50	22.38	22.42	22.31		
20	16QAM	100	0	22.31	22.44	22.35		
20	64QAM	1	0	22.38	22.52	22.42	23	2
20	64QAM	1	49	22.38	22.48	22.41		
20	64QAM	1	99	22.34	22.46	22.41		
20	64QAM	50	0	21.32	21.41	21.26	22	3
20	64QAM	50	24	21.28	21.36	21.21		
20	64QAM	50	50	21.26	21.35	21.26		
20	64QAM	100	0	21.40	21.48	21.35		
20	256QAM	1	0	19.24	19.39	19.33	20	5
20	256QAM	1	49	19.25	19.38	19.23		
20	256QAM	1	99	19.31	19.38	19.25		
20	256QAM	50	0	19.29	19.42	19.27	20	5
20	256QAM	50	24	19.24	19.38	19.24		
20	256QAM	50	50	19.34	19.41	19.35		
20	256QAM	100	0	19.40	19.46	19.31		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.34	24.53	24.47	25	0
15	QPSK	1	37	24.45	24.51	24.39		
15	QPSK	1	74	23.95	24.00	23.88		
15	QPSK	36	0	23.31	23.36	23.29	24	1
15	QPSK	36	20	23.26	23.32	23.27		
15	QPSK	36	39	23.25	23.26	23.27		
15	QPSK	75	0	23.26	23.43	23.34		
15	16QAM	1	0	23.17	23.19	23.09	24	1
15	16QAM	1	37	23.16	23.30	23.11		
15	16QAM	1	74	23.09	23.11	23.07		
15	16QAM	36	0	22.20	22.38	22.34	23	2
15	16QAM	36	20	22.23	22.40	22.24		
15	16QAM	36	39	22.29	22.41	22.29		
15	16QAM	75	0	22.32	22.41	22.32		
15	64QAM	1	0	22.36	22.51	22.45	23	2
15	64QAM	1	37	22.39	22.48	22.44		
15	64QAM	1	74	22.34	22.40	22.39		
15	64QAM	36	0	21.32	21.40	21.25	22	3
15	64QAM	36	20	21.19	21.36	21.12		
15	64QAM	36	39	21.28	21.32	21.18		
15	64QAM	75	0	21.37	21.41	21.37		
15	256QAM	1	0	19.24	19.36	19.27	20	5
15	256QAM	1	37	19.27	19.35	19.21		
15	256QAM	1	74	19.29	19.36	19.24		
15	256QAM	36	0	19.29	19.42	19.20	20	5
15	256QAM	36	20	19.16	19.39	19.26		
15	256QAM	36	39	19.29	19.36	19.30		
15	256QAM	75	0	19.32	19.48	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.43	24.52	24.38	25	0
10	QPSK	1	25	24.38	24.47	24.44		
10	QPSK	1	49	23.97	23.99	23.96		
10	QPSK	25	0	23.25	23.39	23.27	24	1
10	QPSK	25	12	23.28	23.39	23.29		
10	QPSK	25	25	23.25	23.35	23.26		
10	QPSK	50	0	23.29	23.39	23.26		
10	16QAM	1	0	23.11	23.24	23.09	24	1
10	16QAM	1	25	23.20	23.20	23.10		
10	16QAM	1	49	23.17	23.14	23.02		
10	16QAM	25	0	22.25	22.41	22.35	23	2
10	16QAM	25	12	22.26	22.33	22.24		
10	16QAM	25	25	22.32	22.41	22.23		
10	16QAM	50	0	22.34	22.37	22.37		
10	64QAM	1	0	22.34	22.51	22.39	23	2
10	64QAM	1	25	22.34	22.44	22.40		
10	64QAM	1	49	22.35	22.41	22.38		
10	64QAM	25	0	21.24	21.39	21.17	22	3
10	64QAM	25	12	21.25	21.31	21.21		
10	64QAM	25	25	21.25	21.35	21.25		
10	64QAM	50	0	21.42	21.44	21.27		
10	256QAM	1	0	19.23	19.42	19.35	20	5
10	256QAM	1	25	19.27	19.38	19.25		
10	256QAM	1	49	19.32	19.35	19.16		
10	256QAM	25	0	19.24	19.42	19.24	20	5
10	256QAM	25	12	19.26	19.41	19.26		
10	256QAM	25	25	19.26	19.34	19.36		
10	256QAM	50	0	19.41	19.46	19.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.37	24.54	24.49	25	0
5	QPSK	1	12	24.39	24.48	24.42		
5	QPSK	1	24	23.97	24.09	23.89		
5	QPSK	12	0	23.27	23.42	23.34	24	1
5	QPSK	12	7	23.35	23.36	23.20		
5	QPSK	12	13	23.22	23.30	23.28		
5	QPSK	25	0	23.22	23.41	23.30		
5	16QAM	1	0	23.22	23.25	23.15	24	1
5	16QAM	1	12	23.14	23.29	23.15		
5	16QAM	1	24	23.17	23.23	23.06		
5	16QAM	12	0	22.21	22.41	22.33	23	2
5	16QAM	12	7	22.18	22.36	22.23		
5	16QAM	12	13	22.36	22.35	22.24		
5	16QAM	25	0	22.29	22.41	22.35		
5	64QAM	1	0	22.30	22.53	22.35	23	2
5	64QAM	1	12	22.39	22.42	22.37		
5	64QAM	1	24	22.28	22.43	22.36		
5	64QAM	12	0	21.24	21.44	21.22	22	3
5	64QAM	12	7	21.31	21.30	21.21		
5	64QAM	12	13	21.22	21.28	21.24		
5	64QAM	25	0	21.36	21.42	21.37		
5	256QAM	1	0	19.21	19.36	19.27	20	5
5	256QAM	1	12	19.22	19.36	19.23		
5	256QAM	1	24	19.27	19.32	19.19		
5	256QAM	12	0	19.20	19.38	19.21	20	5
5	256QAM	12	7	19.22	19.40	19.20		
5	256QAM	12	13	19.30	19.34	19.29		
5	256QAM	25	0	19.38	19.44	19.22		

Band 41 Ant3 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.17	24.15	24.55	24.15	24.34	25	0
20	QPSK	1	49	24.11	24.16	24.42	24.09	24.30		
20	QPSK	1	99	24.13	24.15	24.50	24.12	24.32		
20	QPSK	50	0	23.17	23.20	23.51	23.18	23.38	24	1
20	QPSK	50	24	23.07	23.13	23.41	23.09	23.28		
20	QPSK	50	50	23.14	23.14	23.46	23.10	23.37		
20	QPSK	100	0	23.21	23.19	23.54	23.11	23.39		
20	16QAM	1	0	23.13	23.11	23.43	23.14	23.30	24	1
20	16QAM	1	49	23.12	23.14	23.38	23.15	23.26		
20	16QAM	1	99	23.17	23.10	23.49	23.13	23.35		
20	16QAM	50	0	22.22	22.23	22.51	22.19	22.35	23	2
20	16QAM	50	24	22.09	22.12	22.43	22.10	22.23		
20	16QAM	50	50	22.15	22.15	22.44	22.13	22.37		
20	16QAM	100	0	22.24	22.16	22.55	22.06	22.33		
20	64QAM	1	0	22.18	22.11	22.40	22.08	22.33	23	2
20	64QAM	1	49	22.09	22.09	22.34	22.11	22.20		
20	64QAM	1	99	22.17	22.13	22.51	22.07	22.33		
20	64QAM	50	0	21.20	21.24	21.52	21.20	21.35	22	3
20	64QAM	50	24	21.02	21.11	21.42	21.14	21.25		
20	64QAM	50	50	21.11	21.10	21.42	21.07	21.36		
20	64QAM	100	0	21.25	21.19	21.54	21.12	21.37		
20	256QAM	1	0	19.22	19.19	19.47	19.22	19.36	20	5
20	256QAM	1	49	19.04	19.16	19.41	19.13	19.24		
20	256QAM	1	99	19.16	19.14	19.49	19.11	19.36		
20	256QAM	50	0	19.18	19.21	19.59	19.07	19.37	20	5
20	256QAM	50	24	19.16	19.11	19.47	19.19	19.26		
20	256QAM	50	50	19.17	19.11	19.40	19.16	19.30		
20	256QAM	100	0	19.13	19.15	19.54	19.11	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.14	24.09	24.47	24.15	24.33	25	0
15	QPSK	1	37	24.12	24.11	24.33	24.10	24.33		
15	QPSK	1	74	24.13	24.13	24.51	24.03	24.32		
15	QPSK	36	0	23.12	23.20	23.49	23.14	23.39	24	1
15	QPSK	36	20	23.03	23.09	23.36	23.09	23.27		
15	QPSK	36	39	23.14	23.14	23.46	23.12	23.34		
15	QPSK	75	0	23.17	23.12	23.55	23.13	23.34		
15	16QAM	1	0	23.13	23.13	23.44	23.06	23.24	24	1
15	16QAM	1	37	23.06	23.10	23.37	23.16	23.25		
15	16QAM	1	74	23.16	23.01	23.51	23.11	23.32		
15	16QAM	36	0	22.20	22.20	22.54	22.14	22.31	23	2
15	16QAM	36	20	22.11	22.08	22.39	22.02	22.22		
15	16QAM	36	39	22.08	22.12	22.44	22.05	22.32		
15	16QAM	75	0	22.20	22.07	22.47	22.04	22.34		
15	64QAM	1	0	22.09	22.08	22.33	22.03	22.31	23	2
15	64QAM	1	37	22.04	22.11	22.33	22.06	22.20		
15	64QAM	1	74	22.17	22.07	22.45	22.00	22.27		
15	64QAM	36	0	21.14	21.19	21.45	21.15	21.28	22	3
15	64QAM	36	20	20.98	21.14	21.37	21.06	21.18		
15	64QAM	36	39	21.06	21.13	21.42	21.09	21.27		
15	64QAM	75	0	21.27	21.14	21.49	21.11	21.37		
15	256QAM	1	0	19.25	19.15	19.43	19.14	19.29	20	5
15	256QAM	1	37	18.97	19.07	19.40	19.15	19.16		
15	256QAM	1	74	19.14	19.06	19.49	19.12	19.34		
15	256QAM	36	0	19.10	19.17	19.53	19.00	19.35	20	5
15	256QAM	36	20	19.17	19.03	19.41	19.11	19.22		
15	256QAM	36	39	19.11	19.05	19.32	19.13	19.28		
15	256QAM	75	0	19.12	19.17	19.56	19.03	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.13	24.13	24.49	24.08	24.30	25	0
10	QPSK	1	25	24.09	24.10	24.45	24.10	24.26		
10	QPSK	1	49	24.13	24.18	24.52	24.07	24.29		
10	QPSK	25	0	23.15	23.15	23.54	23.13	23.30	24	1
10	QPSK	25	12	23.00	23.15	23.36	23.10	23.26		
10	QPSK	25	25	23.13	23.10	23.45	23.01	23.39		
10	QPSK	50	0	23.20	23.16	23.49	23.05	23.37		
10	16QAM	1	0	23.13	23.10	23.43	23.13	23.21	24	1
10	16QAM	1	25	23.12	23.15	23.31	23.09	23.19		
10	16QAM	1	49	23.19	23.09	23.52	23.06	23.28		
10	16QAM	25	0	22.21	22.20	22.52	22.13	22.27	23	2
10	16QAM	25	12	22.09	22.12	22.40	22.08	22.24		
10	16QAM	25	25	22.17	22.16	22.37	22.05	22.37		
10	16QAM	50	0	22.26	22.09	22.50	22.04	22.28		
10	64QAM	1	0	22.10	22.07	22.43	22.07	22.32	23	2
10	64QAM	1	25	22.03	22.01	22.31	22.08	22.21		
10	64QAM	1	49	22.10	22.14	22.43	22.03	22.27		
10	64QAM	25	0	21.13	21.23	21.50	21.12	21.35	22	3
10	64QAM	25	12	21.03	21.03	21.37	21.15	21.26		
10	64QAM	25	25	21.10	21.11	21.39	21.07	21.36		
10	64QAM	50	0	21.18	21.21	21.54	21.12	21.36		
10	256QAM	1	0	19.14	19.12	19.39	19.15	19.28	20	5
10	256QAM	1	25	19.06	19.15	19.44	19.06	19.22		
10	256QAM	1	49	19.13	19.13	19.46	19.02	19.37		
10	256QAM	25	0	19.17	19.23	19.58	19.03	19.34	20	5
10	256QAM	25	12	19.11	19.04	19.42	19.21	19.26		
10	256QAM	25	25	19.17	19.13	19.39	19.16	19.27		
10	256QAM	50	0	19.10	19.11	19.45	19.06	19.33		
Channel				39675	40140	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.10	24.15	24.40	24.09	24.30	25	0
5	QPSK	1	12	24.09	24.16	24.36	24.01	24.32		
5	QPSK	1	24	24.07	24.14	24.42	24.09	24.23		
5	QPSK	12	0	23.12	23.12	23.44	23.14	23.32	24	1
5	QPSK	12	7	23.04	23.07	23.37	23.06	23.23		
5	QPSK	12	13	23.08	23.17	23.38	23.03	23.38		
5	QPSK	25	0	23.20	23.16	23.55	23.06	23.35		
5	16QAM	1	0	23.10	23.06	23.41	23.09	23.30	24	1
5	16QAM	1	12	23.06	23.06	23.37	23.07	23.25		
5	16QAM	1	24	23.09	23.11	23.52	23.10	23.32		
5	16QAM	12	0	22.20	22.24	22.44	22.16	22.34	23	2
5	16QAM	12	7	22.02	22.10	22.43	22.12	22.26		
5	16QAM	12	13	22.12	22.06	22.38	22.09	22.38		
5	16QAM	25	0	22.18	22.19	22.46	22.01	22.34		
5	64QAM	1	0	22.14	22.08	22.34	22.04	22.27	23	2
5	64QAM	1	12	22.09	22.04	22.34	22.12	22.16		
5	64QAM	1	24	22.09	22.04	22.43	22.03	22.24		
5	64QAM	12	0	21.15	21.27	21.51	21.15	21.37	22	3
5	64QAM	12	7	20.94	21.13	21.44	21.09	21.18		
5	64QAM	12	13	21.08	21.13	21.41	21.01	21.36		
5	64QAM	25	0	21.20	21.18	21.47	21.04	21.36		
5	256QAM	1	0	19.16	19.14	19.46	19.21	19.37	20	5
5	256QAM	1	12	19.00	19.16	19.33	19.10	19.15		
5	256QAM	1	24	19.19	19.11	19.46	19.11	19.29		
5	256QAM	12	0	19.17	19.22	19.51	19.08	19.37	20	5
5	256QAM	12	7	19.19	19.09	19.42	19.22	19.27		
5	256QAM	12	13	19.12	19.06	19.43	19.09	19.28		
5	256QAM	25	0	19.08	19.15	19.49	19.09	19.26		

Band 7 Ant4 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.43	24.52	24.45	25.5	0
20	QPSK	1	49	24.35	24.47	24.33		
20	QPSK	1	99	24.29	24.41	24.33		
20	QPSK	50	0	23.28	23.37	23.25	24.5	1
20	QPSK	50	24	23.26	23.34	23.25		
20	QPSK	50	50	23.20	23.24	23.14		
20	QPSK	100	0	23.22	23.35	23.23		
20	16QAM	1	0	23.13	23.24	23.13	24.5	1
20	16QAM	1	49	23.08	23.21	23.02		
20	16QAM	1	99	23.08	23.19	23.03		
20	16QAM	50	0	22.20	22.30	22.16	23.5	2
20	16QAM	50	24	22.14	22.22	22.11		
20	16QAM	50	50	22.16	22.26	22.19		
20	16QAM	100	0	22.19	22.28	22.10		
20	64QAM	1	0	22.31	22.46	22.33	23.5	2
20	64QAM	1	49	22.35	22.43	22.34		
20	64QAM	1	99	22.26	22.38	22.25		
20	64QAM	50	0	21.20	21.28	21.19	22.5	3
20	64QAM	50	24	21.10	21.20	21.06		
20	64QAM	50	50	21.10	21.21	21.04		
20	64QAM	100	0	21.29	21.36	21.21		
20	256QAM	1	0	19.29	19.42	19.32	20.5	5
20	256QAM	1	49	19.27	19.36	19.23		
20	256QAM	1	99	19.32	19.38	19.26		
20	256QAM	50	0	19.43	19.49	19.32	20.5	5
20	256QAM	50	24	19.33	19.48	19.33		
20	256QAM	50	50	19.31	19.42	19.27		
20	256QAM	100	0	19.36	19.45	19.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.36	24.51	24.39	25.5	0
15	QPSK	1	37	24.35	24.47	24.35		
15	QPSK	1	74	24.21	24.41	24.35		
15	QPSK	36	0	23.28	23.33	23.17	24.5	1
15	QPSK	36	20	23.18	23.28	23.28		
15	QPSK	36	39	23.12	23.21	23.15		
15	QPSK	75	0	23.13	23.34	23.15		
15	16QAM	1	0	23.11	23.26	23.12	24.5	1
15	16QAM	1	37	23.08	23.18	23.03		
15	16QAM	1	74	23.06	23.18	22.99		
15	16QAM	36	0	22.17	22.28	22.17	23.5	2
15	16QAM	36	20	22.14	22.25	22.03		
15	16QAM	36	39	22.15	22.27	22.13		
15	16QAM	75	0	22.15	22.18	22.07		
15	64QAM	1	0	22.31	22.43	22.31	23.5	2
15	64QAM	1	37	22.29	22.36	22.31		
15	64QAM	1	74	22.28	22.40	22.18		
15	64QAM	36	0	21.15	21.26	21.17	22.5	3
15	64QAM	36	20	21.04	21.20	21.01		
15	64QAM	36	39	21.05	21.18	20.96		
15	64QAM	75	0	21.23	21.39	21.19		
15	256QAM	1	0	19.25	19.37	19.29	20.5	5
15	256QAM	1	37	19.28	19.34	19.21		
15	256QAM	1	74	19.33	19.33	19.28		
15	256QAM	36	0	19.37	19.46	19.29	20.5	5
15	256QAM	36	20	19.29	19.39	19.25		
15	256QAM	36	39	19.27	19.36	19.23		
15	256QAM	75	0	19.30	19.42	19.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.41	24.46	24.36	25.5	0
10	QPSK	1	25	24.29	24.41	24.28		
10	QPSK	1	49	24.21	24.43	24.31		
10	QPSK	25	0	23.26	23.30	23.27	24.5	1
10	QPSK	25	12	23.25	23.30	23.27		
10	QPSK	25	25	23.11	23.22	23.07		
10	QPSK	50	0	23.16	23.32	23.19		
10	16QAM	1	0	23.10	23.16	23.12	24.5	1
10	16QAM	1	25	23.11	23.19	23.03		
10	16QAM	1	49	23.00	23.16	22.99		
10	16QAM	25	0	22.11	22.33	22.19	23.5	2
10	16QAM	25	12	22.16	22.23	22.03		
10	16QAM	25	25	22.11	22.26	22.13		
10	16QAM	50	0	22.22	22.20	22.06		
10	64QAM	1	0	22.33	22.43	22.26	23.5	2
10	64QAM	1	25	22.30	22.37	22.31		
10	64QAM	1	49	22.21	22.32	22.21		
10	64QAM	25	0	21.18	21.23	21.20	22.5	3
10	64QAM	25	12	21.01	21.15	21.05		
10	64QAM	25	25	21.03	21.22	21.01		
10	64QAM	50	0	21.25	21.30	21.13		
10	256QAM	1	0	19.23	19.37	19.31	20.5	5
10	256QAM	1	25	19.23	19.36	19.17		
10	256QAM	1	49	19.31	19.37	19.19		
10	256QAM	25	0	19.35	19.47	19.30	20.5	5
10	256QAM	25	12	19.31	19.40	19.28		
10	256QAM	25	25	19.31	19.40	19.20		
10	256QAM	50	0	19.35	19.42	19.29		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.42	24.51	24.42	25.5	0
5	QPSK	1	12	24.30	24.49	24.31		
5	QPSK	1	24	24.27	24.39	24.32		
5	QPSK	12	0	23.23	23.31	23.28	24.5	1
5	QPSK	12	7	23.20	23.33	23.24		
5	QPSK	12	13	23.20	23.26	23.07		
5	QPSK	25	0	23.17	23.31	23.23		
5	16QAM	1	0	23.07	23.26	23.05	24.5	1
5	16QAM	1	12	23.00	23.24	23.00		
5	16QAM	1	24	23.11	23.19	22.94		
5	16QAM	12	0	22.21	22.31	22.12	23.5	2
5	16QAM	12	7	22.11	22.17	22.11		
5	16QAM	12	13	22.13	22.26	22.13		
5	16QAM	25	0	22.22	22.27	22.08		
5	64QAM	1	0	22.33	22.40	22.29	23.5	2
5	64QAM	1	12	22.26	22.44	22.26		
5	64QAM	1	24	22.21	22.38	22.17		
5	64QAM	12	0	21.21	21.19	21.18	22.5	3
5	64QAM	12	7	21.01	21.11	21.08		
5	64QAM	12	13	21.03	21.23	20.97		
5	64QAM	25	0	21.29	21.29	21.13		
5	256QAM	1	0	19.21	19.41	19.29	20.5	5
5	256QAM	1	12	19.30	19.36	19.26		
5	256QAM	1	24	19.29	19.30	19.25		
5	256QAM	12	0	19.40	19.49	19.29	20.5	5
5	256QAM	12	7	19.31	19.42	19.35		
5	256QAM	12	13	19.26	19.38	19.20		
5	256QAM	25	0	19.28	19.41	19.24		

Band 7 Ant4 Default Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.43	24.53	24.28	25.5	0
20	QPSK	1	49	24.30	24.40	24.16		
20	QPSK	1	99	24.27	24.38	24.25		
20	QPSK	50	0	23.34	23.38	23.11	24.5	1
20	QPSK	50	24	23.22	23.33	23.02		
20	QPSK	50	50	23.20	23.24	23.00		
20	QPSK	100	0	23.30	23.35	23.06		
20	16QAM	1	0	23.26	23.34	23.10	24.5	1
20	16QAM	1	49	23.25	23.24	23.05		
20	16QAM	1	99	23.16	23.23	23.16		
20	16QAM	50	0	22.37	22.44	22.17	23.5	2
20	16QAM	50	24	22.21	22.35	22.01		
20	16QAM	50	50	22.21	22.18	22.00		
20	16QAM	100	0	22.29	22.38	22.01		
20	64QAM	1	0	22.32	22.31	22.06	23.5	2
20	64QAM	1	49	22.27	22.19	22.00		
20	64QAM	1	99	22.13	22.23	22.20		
20	64QAM	50	0	21.32	21.41	21.10	22.5	3
20	64QAM	50	24	21.28	21.37	21.01		
20	64QAM	50	50	21.25	21.30	21.01		
20	64QAM	100	0	21.27	21.33	21.08		
20	256QAM	1	0	19.31	19.43	19.09	20.5	5
20	256QAM	1	49	19.17	19.38	18.98		
20	256QAM	1	99	19.19	19.26	18.96		
20	256QAM	50	0	19.36	19.36	19.09	20.5	5
20	256QAM	50	24	19.26	19.31	19.10		
20	256QAM	50	50	19.22	19.24	19.02		
20	256QAM	100	0	19.18	19.24	19.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.34	24.52	24.24	25.5	0
15	QPSK	1	37	24.28	24.36	24.12		
15	QPSK	1	74	24.21	24.31	24.20		
15	QPSK	36	0	23.32	23.35	23.12	24.5	1
15	QPSK	36	20	23.24	23.26	22.94		
15	QPSK	36	39	23.12	23.19	22.98		
15	QPSK	75	0	23.28	23.28	23.00		
15	16QAM	1	0	23.21	23.29	23.12	24.5	1
15	16QAM	1	37	23.21	23.18	22.97		
15	16QAM	1	74	23.18	23.26	23.11		
15	16QAM	36	0	22.37	22.37	22.09	23.5	2
15	16QAM	36	20	22.24	22.29	21.92		
15	16QAM	36	39	22.14	22.13	21.93		
15	16QAM	75	0	22.29	22.30	21.93		
15	64QAM	1	0	22.31	22.34	22.02	23.5	2
15	64QAM	1	37	22.19	22.21	21.98		
15	64QAM	1	74	22.07	22.15	22.14		
15	64QAM	36	0	21.25	21.44	21.08	22.5	3
15	64QAM	36	20	21.30	21.40	21.00		
15	64QAM	36	39	21.18	21.22	21.04		
15	64QAM	75	0	21.19	21.26	21.04		
15	256QAM	1	0	19.28	19.42	19.06	20.5	5
15	256QAM	1	37	19.12	19.34	18.95		
15	256QAM	1	74	19.20	19.25	18.87		
15	256QAM	36	0	19.36	19.32	19.02	20.5	5
15	256QAM	36	20	19.19	19.26	19.07		
15	256QAM	36	39	19.16	19.25	18.99		
15	256QAM	75	0	19.11	19.25	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.32	24.51	24.18	25.5	0
10	QPSK	1	25	24.25	24.34	24.07		
10	QPSK	1	49	24.19	24.30	24.24		
10	QPSK	25	0	23.36	23.35	23.13	24.5	1
10	QPSK	25	12	23.24	23.32	22.98		
10	QPSK	25	25	23.14	23.21	22.97		
10	QPSK	50	0	23.22	23.31	23.00		
10	16QAM	1	0	23.22	23.28	23.07	24.5	1
10	16QAM	1	25	23.17	23.24	22.99		
10	16QAM	1	49	23.13	23.18	23.16		
10	16QAM	25	0	22.32	22.43	22.17	23.5	2
10	16QAM	25	12	22.19	22.29	22.03		
10	16QAM	25	25	22.16	22.11	21.97		
10	16QAM	50	0	22.24	22.39	21.93		
10	64QAM	1	0	22.25	22.27	22.05	23.5	2
10	64QAM	1	25	22.28	22.12	22.00		
10	64QAM	1	49	22.12	22.21	22.17		
10	64QAM	25	0	21.27	21.42	21.05	22.5	3
10	64QAM	25	12	21.29	21.37	20.96		
10	64QAM	25	25	21.20	21.30	20.92		
10	64QAM	50	0	21.29	21.34	21.10		
10	256QAM	1	0	19.34	19.35	19.02	20.5	5
10	256QAM	1	25	19.12	19.33	18.89		
10	256QAM	1	49	19.22	19.20	18.90		
10	256QAM	25	0	19.35	19.34	19.07	20.5	5
10	256QAM	25	12	19.17	19.23	19.06		
10	256QAM	25	25	19.15	19.15	19.04		
10	256QAM	50	0	19.10	19.25	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.36	24.46	24.20	25.5	0
5	QPSK	1	12	24.21	24.34	24.16		
5	QPSK	1	24	24.28	24.38	24.19		
5	QPSK	12	0	23.34	23.29	23.06	24.5	1
5	QPSK	12	7	23.16	23.25	22.94		
5	QPSK	12	13	23.23	23.26	23.01		
5	QPSK	25	0	23.28	23.36	23.07		
5	16QAM	1	0	23.28	23.32	23.12	24.5	1
5	16QAM	1	12	23.20	23.15	23.00		
5	16QAM	1	24	23.08	23.17	23.15		
5	16QAM	12	0	22.39	22.36	22.14	23.5	2
5	16QAM	12	7	22.18	22.28	22.04		
5	16QAM	12	13	22.19	22.12	22.02		
5	16QAM	25	0	22.22	22.31	22.00		
5	64QAM	1	0	22.29	22.33	22.08	23.5	2
5	64QAM	1	12	22.18	22.17	21.93		
5	64QAM	1	24	22.12	22.24	22.16		
5	64QAM	12	0	21.31	21.36	21.01	22.5	3
5	64QAM	12	7	21.23	21.36	21.04		
5	64QAM	12	13	21.22	21.31	20.98		
5	64QAM	25	0	21.24	21.33	21.07		
5	256QAM	1	0	19.30	19.43	19.01	20.5	5
5	256QAM	1	12	19.11	19.29	19.00		
5	256QAM	1	24	19.21	19.28	18.91		
5	256QAM	12	0	19.36	19.39	19.09	20.5	5
5	256QAM	12	7	19.23	19.23	19.03		
5	256QAM	12	13	19.17	19.20	19.04		
5	256QAM	25	0	19.09	19.18	19.06		

Band 38 Ant4 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.12	24.18	23.96	25.5	0
20	QPSK	1	49	24.05	24.12	23.91		
20	QPSK	1	99	23.97	24.07	23.82		
20	QPSK	50	0	23.04	23.17	22.80	24.5	1
20	QPSK	50	24	22.90	23.00	22.66		
20	QPSK	50	50	22.74	22.81	22.54		
20	QPSK	100	0	22.92	23.03	22.72		
20	16QAM	1	0	23.03	23.13	22.87	24.5	1
20	16QAM	1	49	22.97	23.03	22.77		
20	16QAM	1	99	22.96	22.98	22.76		
20	16QAM	50	0	22.07	22.15	21.84	23.5	2
20	16QAM	50	24	22.01	22.08	21.82		
20	16QAM	50	50	22.04	22.06	21.88		
20	16QAM	100	0	22.21	22.34	21.96		
20	64QAM	1	0	22.10	22.16	22.04	23.5	2
20	64QAM	1	49	22.08	22.22	22.13		
20	64QAM	1	99	22.05	22.15	22.01		
20	64QAM	50	0	21.07	21.14	20.88	22.5	3
20	64QAM	50	24	21.04	21.14	20.82		
20	64QAM	50	50	21.05	21.13	20.85		
20	64QAM	100	0	20.05	20.10	19.89		
20	256QAM	1	0	19.10	19.21	18.95	20.5	5
20	256QAM	1	49	19.07	19.19	18.84		
20	256QAM	1	99	19.09	19.18	18.86		
20	256QAM	50	0	19.02	19.15	18.80	20.5	5
20	256QAM	50	24	18.99	19.05	18.79		
20	256QAM	50	50	19.01	19.05	18.82		
20	256QAM	100	0	19.10	19.20	18.94		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.15	24.15	23.95	25.5	0
15	QPSK	1	37	23.99	24.06	23.87		
15	QPSK	1	74	23.90	24.00	23.80		
15	QPSK	36	0	23.00	23.11	22.74	24.5	1
15	QPSK	36	20	22.89	22.98	22.58		
15	QPSK	36	39	22.68	22.82	22.55		
15	QPSK	75	0	22.91	23.04	22.64		
15	16QAM	1	0	22.97	23.08	22.82	24.5	1
15	16QAM	1	37	22.95	22.95	22.71		
15	16QAM	1	74	22.94	22.99	22.71		
15	16QAM	36	0	22.04	22.07	21.78	23.5	2
15	16QAM	36	20	21.95	22.06	21.81		
15	16QAM	36	39	22.05	21.99	21.87		
15	16QAM	75	0	22.21	22.26	21.91		
15	64QAM	1	0	22.08	22.17	22.03	23.5	2
15	64QAM	1	37	22.05	22.21	22.10		
15	64QAM	1	74	22.01	22.07	22.01		
15	64QAM	36	0	21.04	21.17	20.86	22.5	3
15	64QAM	36	20	21.04	21.12	20.75		
15	64QAM	36	39	21.03	21.14	20.76		
15	64QAM	75	0	21.06	21.07	21.07		
15	256QAM	1	0	19.06	19.20	18.88	20.5	5
15	256QAM	1	37	19.02	19.20	18.79		
15	256QAM	1	74	19.12	19.11	18.87		
15	256QAM	36	0	18.97	19.13	18.71	20.5	5
15	256QAM	36	20	18.99	19.06	18.73		
15	256QAM	36	39	19.02	18.99	18.79		
15	256QAM	75	0	19.08	19.15	18.96		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.12	24.15	23.91	25.5	0
10	QPSK	1	25	24.00	24.07	23.93		
10	QPSK	1	49	23.89	24.07	23.78		
10	QPSK	25	0	23.04	23.20	22.80	24.5	1
10	QPSK	25	12	22.89	22.92	22.67		
10	QPSK	25	25	22.67	22.77	22.70		
10	QPSK	50	0	22.95	23.03	22.66		
10	16QAM	1	0	22.97	23.13	22.84	24.5	1
10	16QAM	1	25	22.94	22.97	22.75		
10	16QAM	1	49	22.97	22.97	22.69		
10	16QAM	25	0	22.05	22.11	21.85	23.5	2
10	16QAM	25	12	21.99	22.07	21.83		
10	16QAM	25	25	22.02	21.99	21.80		
10	16QAM	50	0	22.18	22.26	21.98		
10	64QAM	1	0	22.12	22.15	22.01	23.5	2
10	64QAM	1	25	22.08	22.14	22.14		
10	64QAM	1	49	22.02	22.09	22.02		
10	64QAM	25	0	21.05	21.05	20.89	22.5	3
10	64QAM	25	12	21.04	21.08	20.84		
10	64QAM	25	25	21.05	21.14	20.85		
10	64QAM	50	0	21.04	21.01	20.86		
10	256QAM	1	0	19.13	19.13	18.92	20.5	5
10	256QAM	1	25	19.00	19.13	18.80		
10	256QAM	1	49	19.00	19.13	18.79		
10	256QAM	25	0	19.03	19.12	18.83	20.5	5
10	256QAM	25	12	18.91	19.04	18.74		
10	256QAM	25	25	18.98	18.99	18.77		
10	256QAM	50	0	19.04	19.16	18.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.12	24.13	23.88	25.5	0
5	QPSK	1	12	24.05	24.06	23.85		
5	QPSK	1	24	23.94	24.01	23.80		
5	QPSK	12	0	23.01	23.13	22.76	24.5	1
5	QPSK	12	7	22.83	23.01	22.57		
5	QPSK	12	13	22.71	22.82	22.52		
5	QPSK	25	0	22.88	22.97	22.68		
5	16QAM	1	0	22.98	23.08	22.87	24.5	1
5	16QAM	1	12	22.95	22.97	22.75		
5	16QAM	1	24	22.89	23.01	22.73		
5	16QAM	12	0	22.07	22.14	21.86	23.5	2
5	16QAM	12	7	21.96	22.08	21.75		
5	16QAM	12	13	22.00	22.02	21.85		
5	16QAM	25	0	22.21	22.36	21.97		
5	64QAM	1	0	22.11	22.14	22.04	23.5	2
5	64QAM	1	12	22.07	22.15	22.14		
5	64QAM	1	24	22.02	22.08	22.01		
5	64QAM	12	0	21.00	21.07	20.85	22.5	3
5	64QAM	12	7	20.98	21.16	20.79		
5	64QAM	12	13	20.98	21.15	20.80		
5	64QAM	25	0	21.01	21.10	20.90		
5	256QAM	1	0	19.01	19.18	18.91	20.5	5
5	256QAM	1	12	19.05	19.10	18.86		
5	256QAM	1	24	19.03	19.14	18.81		
5	256QAM	12	0	18.99	19.06	18.83	20.5	5
5	256QAM	12	7	18.96	19.03	18.73		
5	256QAM	12	13	19.03	19.04	18.76		
5	256QAM	25	0	19.03	19.22	18.91		

Band 41 Ant4 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.25	24.27	24.67	24.41	23.54	25.5	0
20	QPSK	1	49	24.22	24.25	24.64	24.37	23.55		
20	QPSK	1	99	24.17	24.19	24.59	24.42	23.53		
20	QPSK	50	0	23.31	23.25	23.71	23.44	22.59	24.5	1
20	QPSK	50	24	23.24	23.23	23.58	23.38	22.50		
20	QPSK	50	50	23.22	23.23	23.54	23.37	22.51		
20	QPSK	100	0	23.19	23.29	23.65	23.37	22.50		
20	16QAM	1	0	23.24	23.22	23.69	23.37	22.57	24.5	1
20	16QAM	1	49	23.25	23.28	23.63	23.40	22.55		
20	16QAM	1	99	23.23	23.14	23.59	23.42	22.54		
20	16QAM	50	0	22.26	22.20	22.75	22.46	21.64	23.5	2
20	16QAM	50	24	22.18	22.23	22.62	22.41	21.53		
20	16QAM	50	50	22.17	22.19	22.59	22.38	21.50		
20	16QAM	100	0	22.16	22.27	22.63	22.38	21.51		
20	64QAM	1	0	22.30	22.20	22.66	22.41	21.61	23.5	2
20	64QAM	1	49	22.22	22.24	22.61	22.45	21.58		
20	64QAM	1	99	22.28	22.18	22.59	22.42	21.57		
20	64QAM	50	0	21.36	21.19	21.69	21.45	20.63	22.5	3
20	64QAM	50	24	21.29	21.26	21.63	21.37	20.50		
20	64QAM	50	50	21.21	21.19	21.52	21.40	20.52		
20	64QAM	100	0	21.22	21.29	21.64	21.41	20.54		
20	256QAM	1	0	19.34	19.28	19.68	19.43	18.60	20.5	5
20	256QAM	1	49	19.28	19.18	19.53	19.39	18.58		
20	256QAM	1	99	19.26	19.18	19.55	19.40	18.55		
20	256QAM	50	0	19.19	19.35	19.62	19.42	18.50	20.5	5
20	256QAM	50	24	19.18	19.18	19.74	19.41	18.57		
20	256QAM	50	50	19.29	19.34	19.61	19.42	18.50		
20	256QAM	100	0	19.26	19.19	19.62	19.47	18.57		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.25	24.21	24.63	24.37	23.66	25.5	0
15	QPSK	1	37	24.20	24.17	24.66	24.31	23.77		
15	QPSK	1	74	24.17	24.12	24.59	24.36	23.71		
15	QPSK	36	0	23.24	23.22	23.68	23.44	22.80	24.5	1
15	QPSK	36	20	23.19	23.14	23.50	23.38	22.67		
15	QPSK	36	39	23.15	23.23	23.51	23.39	22.73		
15	QPSK	75	0	23.11	23.27	23.67	23.40	22.67		
15	16QAM	1	0	23.24	23.25	23.64	23.37	22.72	24.5	1
15	16QAM	1	37	23.25	23.23	23.64	23.39	22.68		
15	16QAM	1	74	23.24	23.15	23.62	23.43	22.66		
15	16QAM	36	0	22.24	22.21	22.68	22.43	21.81	23.5	2
15	16QAM	36	20	22.13	22.18	22.58	22.35	21.73		
15	16QAM	36	39	22.10	22.16	22.53	22.38	21.72		
15	16QAM	75	0	22.14	22.24	22.57	22.38	21.68		
15	64QAM	1	0	22.29	22.13	22.69	22.40	21.75	23.5	2
15	64QAM	1	37	22.15	22.16	22.61	22.46	21.72		
15	64QAM	1	74	22.26	22.16	22.59	22.42	21.79		
15	64QAM	36	0	21.28	21.20	21.61	21.48	20.79	22.5	3
15	64QAM	36	20	21.30	21.25	21.59	21.29	20.67		
15	64QAM	36	39	21.20	21.13	21.54	21.34	20.73		
15	64QAM	75	0	21.15	21.21	21.56	21.34	20.70		
15	256QAM	1	0	19.27	19.26	19.64	19.38	18.83	20.5	5
15	256QAM	1	37	19.24	19.15	19.54	19.36	18.69		
15	256QAM	1	74	19.20	19.21	19.54	19.31	18.74		
15	256QAM	36	0	19.22	19.34	19.58	19.37	18.71	20.5	5
15	256QAM	36	20	19.14	19.17	19.67	19.42	18.76		
15	256QAM	36	39	19.31	19.31	19.53	19.43	18.64		
15	256QAM	75	0	19.24	19.14	19.60	19.40	18.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.22	24.19	24.64	24.41	23.72	26	0
10	QPSK	1	25	24.21	24.22	24.56	24.35	23.69		
10	QPSK	1	49	24.14	24.11	24.54	24.37	23.66		
10	QPSK	25	0	23.23	23.17	23.71	23.45	22.72	24.5	1
10	QPSK	25	12	23.25	23.21	23.56	23.33	22.72		
10	QPSK	25	25	23.25	23.20	23.53	23.28	22.65		
10	QPSK	50	0	23.15	23.22	23.60	23.36	22.68		
10	16QAM	1	0	23.25	23.21	23.71	23.32	22.71	24.5	1
10	16QAM	1	25	23.17	23.21	23.54	23.36	22.68		
10	16QAM	1	49	23.23	23.11	23.59	23.42	22.70		
10	16QAM	25	0	22.24	22.15	22.71	22.48	21.78	23.5	2
10	16QAM	25	12	22.15	22.23	22.55	22.32	21.71		
10	16QAM	25	25	22.12	22.14	22.53	22.34	21.71		
10	16QAM	50	0	22.14	22.24	22.58	22.38	21.67		
10	64QAM	1	0	22.27	22.12	22.59	22.44	21.83	23.5	2
10	64QAM	1	25	22.21	22.25	22.55	22.44	21.69		
10	64QAM	1	49	22.29	22.09	22.55	22.37	21.75		
10	64QAM	25	0	21.30	21.21	21.63	21.40	20.79	22.5	3
10	64QAM	25	12	21.27	21.25	21.59	21.28	20.68		
10	64QAM	25	25	21.24	21.16	21.49	21.35	20.66		
10	64QAM	50	0	21.24	21.23	21.59	21.37	20.72		
10	256QAM	1	0	19.34	19.24	19.62	19.35	18.76	20.5	5
10	256QAM	1	25	19.21	19.14	19.51	19.33	18.71		
10	256QAM	1	49	19.26	19.20	19.58	19.40	18.69		
10	256QAM	25	0	19.19	19.37	19.54	19.35	18.71	20.5	5
10	256QAM	25	12	19.12	19.10	19.67	19.39	18.72		
10	256QAM	25	25	19.23	19.31	19.63	19.44	18.64		
10	256QAM	50	0	19.23	19.18	19.54	19.43	18.73		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.27	24.21	24.58	24.35	23.73	26	0
5	QPSK	1	12	24.19	24.18	24.66	24.31	23.66		
5	QPSK	1	24	24.20	24.14	24.53	24.43	23.75		
5	QPSK	12	0	23.33	23.19	23.69	23.36	22.71	24.5	1
5	QPSK	12	7	23.21	23.17	23.61	23.32	22.68		
5	QPSK	12	13	23.13	23.23	23.47	23.28	22.62		
5	QPSK	25	0	23.21	23.21	23.65	23.35	22.63		
5	16QAM	1	0	23.22	23.22	23.63	23.35	22.72	24.5	1
5	16QAM	1	12	23.17	23.19	23.56	23.38	22.73		
5	16QAM	1	24	23.25	23.08	23.58	23.39	22.67		
5	16QAM	12	0	22.22	22.16	22.67	22.45	21.81	23.5	2
5	16QAM	12	7	22.19	22.18	22.59	22.41	21.66		
5	16QAM	12	13	22.15	22.20	22.55	22.40	21.73		
5	16QAM	25	0	22.16	22.20	22.55	22.30	21.70		
5	64QAM	1	0	22.30	22.17	22.61	22.40	21.80	23.5	2
5	64QAM	1	12	22.23	22.16	22.57	22.42	21.74		
5	64QAM	1	24	22.30	22.12	22.55	22.35	21.76		
5	64QAM	12	0	21.35	21.21	21.65	21.44	20.77	22.5	3
5	64QAM	12	7	21.21	21.21	21.55	21.34	20.72		
5	64QAM	12	13	21.16	21.20	21.51	21.38	20.70		
5	64QAM	25	0	21.14	21.25	21.65	21.34	20.66		
5	256QAM	1	0	19.30	19.29	19.69	19.42	18.75	20.5	5
5	256QAM	1	12	19.31	19.17	19.55	19.42	18.75		
5	256QAM	1	24	19.27	19.11	19.46	19.39	18.76		
5	256QAM	12	0	19.20	19.29	19.59	19.40	18.62	20.5	5
5	256QAM	12	7	19.18	19.20	19.70	19.36	18.72		
5	256QAM	12	13	19.22	19.34	19.56	19.34	18.67		
5	256QAM	25	0	19.19	19.18	19.64	19.49	18.77		

Band 7 Ant5 Default Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.81	20.87	20.84	22	0
20	QPSK	1	49	20.78	20.84	20.86		
20	QPSK	1	99	20.76	20.80	20.80		
20	QPSK	50	0	19.69	19.70	19.69	21	1
20	QPSK	50	24	19.60	19.64	19.60		
20	QPSK	50	50	19.65	19.69	19.61		
20	QPSK	100	0	19.64	19.67	19.63		
20	16QAM	1	0	19.64	19.62	19.61	21	1
20	16QAM	1	49	19.59	19.61	19.64		
20	16QAM	1	99	19.67	19.68	19.65		
20	16QAM	50	0	18.70	18.73	18.69	20	2
20	16QAM	50	24	18.66	18.68	18.60		
20	16QAM	50	50	18.57	18.63	18.66		
20	16QAM	100	0	18.73	18.70	18.63		
20	64QAM	1	0	18.62	18.61	18.63	20	2
20	64QAM	1	49	18.58	18.61	18.63		
20	64QAM	1	99	18.56	18.64	18.61		
20	64QAM	50	0	17.68	17.65	17.66	19	3
20	64QAM	50	24	17.58	17.67	17.66		
20	64QAM	50	50	17.58	17.64	17.60		
20	64QAM	100	0	17.53	17.61	17.53		
20	256QAM	1	0	15.62	15.70	15.70	17	5
20	256QAM	1	49	15.59	15.61	15.58		
20	256QAM	1	99	15.59	15.64	15.64		
20	256QAM	50	0	15.58	15.62	15.63	17	5
20	256QAM	50	24	15.65	15.68	15.71		
20	256QAM	50	50	15.58	15.56	15.50		
20	256QAM	100	0	15.67	15.73	15.69		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.78	20.81	20.81	22	0
15	QPSK	1	37	20.72	20.82	20.80		
15	QPSK	1	74	20.71	20.73	20.77		
15	QPSK	36	0	19.63	19.63	19.64	21	1
15	QPSK	36	20	19.60	19.57	19.57		
15	QPSK	36	39	19.59	19.64	19.55		
15	QPSK	75	0	19.60	19.70	19.56		
15	16QAM	1	0	19.60	19.59	19.53	21	1
15	16QAM	1	37	19.54	19.61	19.67		
15	16QAM	1	74	19.66	19.61	19.61		
15	16QAM	36	0	18.62	18.72	18.66	20	2
15	16QAM	36	20	18.60	18.71	18.60		
15	16QAM	36	39	18.58	18.64	18.59		
15	16QAM	75	0	18.65	18.69	18.54		
15	64QAM	1	0	18.60	18.56	18.59	20	2
15	64QAM	1	37	18.57	18.63	18.66		
15	64QAM	1	74	18.55	18.56	18.52		
15	64QAM	36	0	17.67	17.63	17.63	19	3
15	64QAM	36	20	17.52	17.67	17.57		
15	64QAM	36	39	17.58	17.65	17.56		
15	64QAM	75	0	17.53	17.53	17.52		
15	256QAM	1	0	15.56	15.73	15.63	17	5
15	256QAM	1	37	15.55	15.63	15.53		
15	256QAM	1	74	15.54	15.55	15.63		
15	256QAM	36	0	15.56	15.55	15.61	17	5
15	256QAM	36	20	15.56	15.69	15.68		
15	256QAM	36	39	15.54	15.58	15.50		
15	256QAM	75	0	15.60	15.73	15.63		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.77	20.83	20.82	22	0
10	QPSK	1	25	20.75	20.81	20.81		
10	QPSK	1	49	20.75	20.78	20.74		
10	QPSK	25	0	19.68	19.61	19.72	21	1
10	QPSK	25	12	19.57	19.61	19.62		
10	QPSK	25	25	19.60	19.66	19.56		
10	QPSK	50	0	19.63	19.64	19.58		
10	16QAM	1	0	19.61	19.58	19.56	21	1
10	16QAM	1	25	19.57	19.57	19.64		
10	16QAM	1	49	19.60	19.64	19.65		
10	16QAM	25	0	18.63	18.74	18.64	20	2
10	16QAM	25	12	18.63	18.64	18.54		
10	16QAM	25	25	18.51	18.58	18.65		
10	16QAM	50	0	18.65	18.68	18.56		
10	64QAM	1	0	18.62	18.57	18.63	20	2
10	64QAM	1	25	18.57	18.55	18.55		
10	64QAM	1	49	18.54	18.60	18.59		
10	64QAM	25	0	17.69	17.62	17.57	19	3
10	64QAM	25	12	17.54	17.59	17.64		
10	64QAM	25	25	17.61	17.57	17.57		
10	64QAM	50	0	17.50	17.57	17.55		
10	256QAM	1	0	15.55	15.71	15.69	17	5
10	256QAM	1	25	15.52	15.61	15.61		
10	256QAM	1	49	15.52	15.67	15.56		
10	256QAM	25	0	15.50	15.57	15.58	17	5
10	256QAM	25	12	15.60	15.65	15.69		
10	256QAM	25	25	15.59	15.54	15.57		
10	256QAM	50	0	15.60	15.74	15.61		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.79	20.83	20.85	22	0
5	QPSK	1	12	20.71	20.78	20.85		
5	QPSK	1	24	20.69	20.81	20.72		
5	QPSK	12	0	19.64	19.63	19.64	21	1
5	QPSK	12	7	19.52	19.63	19.58		
5	QPSK	12	13	19.57	19.64	19.58		
5	QPSK	25	0	19.55	19.63	19.62		
5	16QAM	1	0	19.61	19.63	19.56	21	1
5	16QAM	1	12	19.52	19.54	19.57		
5	16QAM	1	24	19.68	19.70	19.65		
5	16QAM	12	0	18.64	18.69	18.71	20	2
5	16QAM	12	7	18.67	18.61	18.58		
5	16QAM	12	13	18.51	18.65	18.69		
5	16QAM	25	0	18.68	18.62	18.55		
5	64QAM	1	0	18.60	18.62	18.56	20	2
5	64QAM	1	12	18.61	18.61	18.56		
5	64QAM	1	24	18.56	18.59	18.56		
5	64QAM	12	0	17.61	17.67	17.67	19	3
5	64QAM	12	7	17.56	17.68	17.62		
5	64QAM	12	13	17.61	17.58	17.58		
5	64QAM	25	0	17.52	17.62	17.52		
5	256QAM	1	0	15.55	15.65	15.69	17	5
5	256QAM	1	12	15.57	15.57	15.50		
5	256QAM	1	24	15.61	15.57	15.67		
5	256QAM	12	0	15.60	15.62	15.63	17	5
5	256QAM	12	7	15.60	15.59	15.73		
5	256QAM	12	13	15.57	15.57	15.51		
5	256QAM	25	0	15.64	15.65	15.68		

Band 7 Ant5 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.03	21.17	21.16	22.5	0
20	QPSK	1	49	21.01	21.13	21.10		
20	QPSK	1	99	21.00	21.14	21.15		
20	QPSK	50	0	19.94	20.08	20.02	21.5	1
20	QPSK	50	24	19.86	19.96	19.95		
20	QPSK	50	50	19.83	19.95	19.91		
20	QPSK	100	0	19.96	20.07	20.01		
20	16QAM	1	0	19.82	19.91	19.87	21.5	1
20	16QAM	1	49	19.81	19.90	19.96		
20	16QAM	1	99	19.74	19.88	19.84		
20	16QAM	50	0	18.98	19.03	19.09	20.5	2
20	16QAM	50	24	18.90	18.95	18.97		
20	16QAM	50	50	18.90	18.97	19.02		
20	16QAM	100	0	18.95	19.02	19.00		
20	64QAM	1	0	19.01	19.11	19.16	20.5	2
20	64QAM	1	49	18.96	19.07	19.05		
20	64QAM	1	99	18.92	19.04	19.08		
20	64QAM	50	0	17.89	17.96	17.91	19.5	3
20	64QAM	50	24	17.83	17.98	18.02		
20	64QAM	50	50	17.87	17.92	17.89		
20	64QAM	100	0	18.01	18.07	18.10		
20	256QAM	1	0	16.03	16.12	16.16	17.5	5
20	256QAM	1	49	16.04	16.11	16.09		
20	256QAM	1	99	16.02	16.13	16.12		
20	256QAM	50	0	15.98	16.10	16.16	17.5	5
20	256QAM	50	24	15.99	16.12	16.17		
20	256QAM	50	50	15.96	16.06	16.06		
20	256QAM	100	0	15.98	16.08	16.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.01	21.10	21.09	22.5	0
15	QPSK	1	37	20.93	21.14	21.07		
15	QPSK	1	74	21.01	21.14	21.06		
15	QPSK	36	0	19.92	20.09	19.97	21.5	1
15	QPSK	36	20	19.83	19.93	19.91		
15	QPSK	36	39	19.81	19.92	19.91		
15	QPSK	75	0	19.94	20.03	20.06		
15	16QAM	1	0	19.76	19.86	19.79	21.5	1
15	16QAM	1	37	19.75	19.86	19.99		
15	16QAM	1	74	19.74	19.88	19.80		
15	16QAM	36	0	18.94	18.97	19.09	20.5	2
15	16QAM	36	20	18.85	18.91	18.89		
15	16QAM	36	39	18.91	18.90	18.94		
15	16QAM	75	0	18.90	19.04	18.94		
15	64QAM	1	0	18.95	19.02	19.11	20.5	2
15	64QAM	1	37	18.95	19.03	19.07		
15	64QAM	1	74	18.92	18.96	19.03		
15	64QAM	36	0	17.81	17.98	17.91	19.5	3
15	64QAM	36	20	17.76	17.94	18.03		
15	64QAM	36	39	17.87	17.85	17.90		
15	64QAM	75	0	18.00	18.05	18.05		
15	256QAM	1	0	15.99	16.03	16.18	17.5	5
15	256QAM	1	37	15.98	16.09	16.02		
15	256QAM	1	74	15.96	16.06	16.07		
15	256QAM	36	0	15.94	16.04	16.11	17.5	5
15	256QAM	36	20	15.93	16.07	16.08		
15	256QAM	36	39	15.90	16.01	16.03		
15	256QAM	75	0	15.90	16.10	16.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.99	21.12	21.07	22.5	0
10	QPSK	1	25	20.94	21.16	21.11		
10	QPSK	1	49	21.02	21.07	21.10		
10	QPSK	25	0	19.89	20.04	20.03	21.5	1
10	QPSK	25	12	19.78	19.96	19.88		
10	QPSK	25	25	19.85	19.93	19.87		
10	QPSK	50	0	19.92	20.01	20.08		
10	16QAM	1	0	19.76	19.88	19.85	21.5	1
10	16QAM	1	25	19.83	19.91	19.92		
10	16QAM	1	49	19.70	19.86	19.76		
10	16QAM	25	0	19.00	18.96	19.07	20.5	2
10	16QAM	25	12	18.82	18.96	18.95		
10	16QAM	25	25	18.82	18.93	19.04		
10	16QAM	50	0	18.87	19.04	18.96		
10	64QAM	1	0	18.92	19.14	19.11	20.5	2
10	64QAM	1	25	18.97	19.00	19.05		
10	64QAM	1	49	18.94	19.06	19.02		
10	64QAM	25	0	17.83	17.99	17.84	19.5	3
10	64QAM	25	12	17.86	17.99	18.02		
10	64QAM	25	25	17.83	17.86	17.86		
10	64QAM	50	0	17.98	18.07	18.13		
10	256QAM	1	0	16.03	16.08	16.15	17.5	5
10	256QAM	1	25	16.06	16.04	16.08		
10	256QAM	1	49	15.96	16.06	16.09		
10	256QAM	25	0	15.89	16.09	16.08	17.5	5
10	256QAM	25	12	15.93	16.13	16.13		
10	256QAM	25	25	15.90	16.02	16.09		
10	256QAM	50	0	15.96	16.04	16.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.00	21.14	21.11	22.5	0
5	QPSK	1	12	20.96	21.05	21.12		
5	QPSK	1	24	20.97	21.09	21.12		
5	QPSK	12	0	19.85	20.05	20.02	21.5	1
5	QPSK	12	7	19.83	19.90	19.91		
5	QPSK	12	13	19.76	19.94	19.89		
5	QPSK	25	0	19.95	19.95	20.01		
5	16QAM	1	0	19.75	19.91	19.83	21.5	1
5	16QAM	1	12	19.73	19.88	19.94		
5	16QAM	1	24	19.74	19.83	19.82		
5	16QAM	12	0	18.93	18.96	19.08	20.5	2
5	16QAM	12	7	18.83	18.88	18.90		
5	16QAM	12	13	18.88	18.92	18.97		
5	16QAM	25	0	18.96	18.95	18.91		
5	64QAM	1	0	18.95	19.04	19.12	20.5	2
5	64QAM	1	12	18.91	18.99	19.04		
5	64QAM	1	24	18.93	18.99	19.01		
5	64QAM	12	0	17.86	17.93	17.87	19.5	3
5	64QAM	12	7	17.76	17.90	18.02		
5	64QAM	12	13	17.87	17.93	17.85		
5	64QAM	25	0	18.01	17.99	18.12		
5	256QAM	1	0	16.02	16.10	16.09	17.5	5
5	256QAM	1	12	15.98	16.06	16.07		
5	256QAM	1	24	16.01	16.14	16.11		
5	256QAM	12	0	15.97	16.09	16.16	17.5	5
5	256QAM	12	7	15.93	16.12	16.16		
5	256QAM	12	13	15.99	16.08	16.04		
5	256QAM	25	0	15.91	16.03	16.13		

Band 38 Ant5 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.24	21.38	21.26	22.5	0
20	QPSK	1	49	21.28	21.29	21.33		
20	QPSK	1	99	21.12	21.16	21.18		
20	QPSK	50	0	19.93	20.35	19.85	21.5	1
20	QPSK	50	24	20.21	20.28	20.31		
20	QPSK	50	50	20.20	20.27	20.34		
20	QPSK	100	0	20.24	20.28	20.21		
20	16QAM	1	0	20.28	20.35	20.33	21.5	1
20	16QAM	1	49	20.27	20.31	20.38		
20	16QAM	1	99	20.25	20.30	20.36		
20	16QAM	50	0	19.45	19.53	19.52	20.5	2
20	16QAM	50	24	19.46	19.52	19.50		
20	16QAM	50	50	19.48	19.53	19.59		
20	16QAM	100	0	19.46	19.52	19.50		
20	64QAM	1	0	19.58	19.60	19.68	20.5	2
20	64QAM	1	49	19.52	19.53	19.61		
20	64QAM	1	99	19.51	19.56	19.57		
20	64QAM	50	0	18.46	18.53	18.60	19.5	3
20	64QAM	50	24	18.51	18.54	18.62		
20	64QAM	50	50	18.48	18.53	18.53		
20	64QAM	100	0	18.54	18.56	18.54		
20	256QAM	1	0	16.45	16.52	16.55	17.5	5
20	256QAM	1	49	16.50	16.54	16.59		
20	256QAM	1	99	16.53	16.53	16.54		
20	256QAM	50	0	16.47	16.55	16.53	17.5	5
20	256QAM	50	24	16.53	16.57	16.60		
20	256QAM	50	50	16.44	16.52	16.55		
20	256QAM	100	0	16.48	16.50	16.55		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.26	21.35	21.22	22.5	0
15	QPSK	1	37	21.30	21.27	21.29		
15	QPSK	1	74	21.14	21.17	21.18		
15	QPSK	36	0	19.89	20.01	19.76	21.5	1
15	QPSK	36	20	20.17	20.27	20.29		
15	QPSK	36	39	20.23	20.25	20.25		
15	QPSK	75	0	20.20	20.24	20.30		
15	16QAM	1	0	19.81	20.07	19.76	21.5	1
15	16QAM	1	37	19.88	19.97	19.88		
15	16QAM	1	74	19.79	20.00	19.82		
15	16QAM	36	0	18.98	19.17	19.05	20.5	2
15	16QAM	36	20	19.07	19.16	19.00		
15	16QAM	36	39	19.05	19.24	19.07		
15	16QAM	75	0	19.07	19.19	19.01		
15	64QAM	1	0	19.14	19.32	19.21	20.5	2
15	64QAM	1	37	19.04	19.24	19.13		
15	64QAM	1	74	19.05	19.19	19.00		
15	64QAM	36	0	18.07	18.22	18.12	19.5	3
15	64QAM	36	20	18.13	18.17	18.04		
15	64QAM	36	39	18.06	18.17	18.04		
15	64QAM	75	0	18.13	18.28	17.97		
15	256QAM	1	0	16.07	16.17	15.97	17.5	5
15	256QAM	1	37	16.12	16.27	16.03		
15	256QAM	1	74	16.16	16.16	16.01		
15	256QAM	36	0	15.99	16.19	15.98	17.5	5
15	256QAM	36	20	16.08	16.19	16.12		
15	256QAM	36	39	16.00	16.25	15.97		
15	256QAM	75	0	16.00	16.20	16.04		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.24	21.35	21.21	22.5	0
10	QPSK	1	25	21.24	21.21	21.29		
10	QPSK	1	49	21.14	21.18	21.10		
10	QPSK	25	0	19.91	20.02	19.78	21.5	1
10	QPSK	25	12	20.15	20.29	20.32		
10	QPSK	25	25	20.17	20.22	20.28		
10	QPSK	50	0	20.21	20.29	20.34		
10	16QAM	1	0	19.90	20.05	19.82	21.5	1
10	16QAM	1	25	19.90	20.00	19.90		
10	16QAM	1	49	19.81	20.01	19.88		
10	16QAM	25	0	19.05	19.25	18.95	20.5	2
10	16QAM	25	12	19.09	19.25	18.97		
10	16QAM	25	25	19.11	19.19	19.06		
10	16QAM	50	0	19.07	19.18	18.92		
10	64QAM	1	0	19.20	19.30	19.13	20.5	2
10	64QAM	1	25	19.10	19.21	19.09		
10	64QAM	1	49	19.11	19.25	19.07		
10	64QAM	25	0	18.02	18.20	18.04	19.5	3
10	64QAM	25	12	18.03	18.21	18.04		
10	64QAM	25	25	18.05	18.16	18.01		
10	64QAM	50	0	18.16	18.23	18.06		
10	256QAM	1	0	15.98	16.20	16.04	17.5	5
10	256QAM	1	25	16.07	16.18	16.10		
10	256QAM	1	49	16.08	16.18	16.04		
10	256QAM	25	0	16.09	16.23	16.00	17.5	5
10	256QAM	25	12	16.06	16.23	16.11		
10	256QAM	25	25	16.03	16.23	15.99		
10	256QAM	50	0	16.00	16.20	16.00		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.17	21.25	21.24	22.5	0
5	QPSK	1	12	21.24	21.29	21.24		
5	QPSK	1	24	21.14	21.14	21.21		
5	QPSK	12	0	19.88	20.01	19.81	21.5	1
5	QPSK	12	7	20.17	20.31	20.32		
5	QPSK	12	13	20.20	20.25	20.28		
5	QPSK	25	0	20.25	20.27	20.35		
5	16QAM	1	0	19.82	20.05	19.75	21.5	1
5	16QAM	1	12	19.87	20.02	19.87		
5	16QAM	1	24	19.85	19.98	19.89		
5	16QAM	12	0	19.02	19.21	19.02	20.5	2
5	16QAM	12	7	18.98	19.19	18.97		
5	16QAM	12	13	19.05	19.20	19.08		
5	16QAM	25	0	18.99	19.14	18.97		
5	64QAM	1	0	19.17	19.26	19.11	20.5	2
5	64QAM	1	12	19.12	19.14	19.06		
5	64QAM	1	24	19.06	19.21	19.03		
5	64QAM	12	0	17.97	18.22	18.04	19.5	3
5	64QAM	12	7	18.10	18.23	18.04		
5	64QAM	12	13	18.08	18.26	18.00		
5	64QAM	25	0	18.06	18.27	17.99		
5	256QAM	1	0	16.01	16.22	16.05	17.5	5
5	256QAM	1	12	16.12	16.15	16.06		
5	256QAM	1	24	16.08	16.17	15.99		
5	256QAM	12	0	16.07	16.20	16.02	17.5	5
5	256QAM	12	7	16.12	16.22	16.07		
5	256QAM	12	13	15.99	16.17	16.02		
5	256QAM	25	0	16.11	16.15	16.06		

Band 41 Ant5 Default Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.22	21.23	21.36	21.35	21.35	22.5	0
20	QPSK	1	49	21.23	21.21	21.34	21.25	21.35		
20	QPSK	1	99	21.24	21.19	21.31	21.35	21.26		
20	QPSK	50	0	20.20	20.17	20.40	20.35	20.38	21.5	1
20	QPSK	50	24	20.19	20.20	20.34	20.32	20.39		
20	QPSK	50	50	20.27	20.15	20.29	20.34	20.27		
20	QPSK	100	0	20.13	20.19	20.37	20.30	20.32		
20	16QAM	1	0	20.22	20.26	20.33	20.39	20.41	21.5	1
20	16QAM	1	49	20.24	20.18	20.35	20.35	20.31		
20	16QAM	1	99	20.21	20.15	20.26	20.32	20.20		
20	16QAM	50	0	19.14	19.14	19.37	19.34	19.33	20.5	2
20	16QAM	50	24	19.15	19.15	19.37	19.36	19.41		
20	16QAM	50	50	19.32	19.16	19.25	19.31	19.24		
20	16QAM	100	0	19.16	19.24	19.31	19.35	19.34		
20	64QAM	1	0	19.24	19.28	19.29	19.38	19.42	20.5	2
20	64QAM	1	49	19.24	19.22	19.36	19.39	19.31		
20	64QAM	1	99	19.25	19.16	19.30	19.32	19.18		
20	64QAM	50	0	18.15	18.16	18.41	18.31	18.38	19.5	3
20	64QAM	50	24	18.16	18.15	18.28	18.26	18.43		
20	64QAM	50	50	18.31	18.20	18.25	18.38	18.24		
20	64QAM	100	0	18.15	18.15	18.31	18.39	18.28		
20	256QAM	1	0	16.19	16.19	16.37	16.34	16.42	17.5	5
20	256QAM	1	49	16.15	16.14	16.38	16.34	16.35		
20	256QAM	1	99	16.27	16.12	16.27	16.31	16.22		
20	256QAM	50	0	16.09	16.13	16.37	16.43	16.30	17.5	5
20	256QAM	50	24	16.20	16.24	16.38	16.35	16.37		
20	256QAM	50	50	16.30	16.15	16.33	16.32	16.31		
20	256QAM	100	0	16.24	16.10	16.27	16.33	16.18		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.17	21.20	21.34	21.31	21.30	23	0
15	QPSK	1	37	21.22	21.13	21.25	21.29	21.35		
15	QPSK	1	74	21.25	21.18	21.27	21.29	21.24		
15	QPSK	36	0	20.12	20.17	20.42	20.37	20.30	21.5	1
15	QPSK	36	20	20.14	20.13	20.27	20.26	20.34		
15	QPSK	36	39	20.24	20.13	20.32	20.29	20.20		
15	QPSK	75	0	20.11	20.10	20.30	20.40	20.23		
15	16QAM	1	0	20.19	20.23	20.32	20.31	20.33	21.5	1
15	16QAM	1	37	20.26	20.18	20.31	20.33	20.25		
15	16QAM	1	74	20.15	20.07	20.25	20.33	20.18		
15	16QAM	36	0	19.16	19.17	19.33	19.36	19.35	20.5	2
15	16QAM	36	20	19.17	19.14	19.33	19.34	19.42		
15	16QAM	36	39	19.31	19.10	19.17	19.28	19.21		
15	16QAM	75	0	19.18	19.22	19.25	19.27	19.33		
15	64QAM	1	0	19.17	19.19	19.21	19.40	19.38	20.5	2
15	64QAM	1	37	19.26	19.21	19.29	19.35	19.24		
15	64QAM	1	74	19.23	19.10	19.26	19.27	19.13		
15	64QAM	36	0	18.15	18.19	18.36	18.30	18.30	19.5	3
15	64QAM	36	20	18.10	18.10	18.22	18.21	18.36		
15	64QAM	36	39	18.32	18.11	18.22	18.31	18.22		
15	64QAM	75	0	18.16	18.13	18.30	18.32	18.25		
15	256QAM	1	0	16.12	16.13	16.28	16.25	16.37	17.5	5
15	256QAM	1	37	16.16	16.06	16.34	16.34	16.37		
15	256QAM	1	74	16.26	16.09	16.23	16.22	16.17		
15	256QAM	36	0	16.06	16.16	16.31	16.40	16.30	17.5	5
15	256QAM	36	20	16.18	16.25	16.29	16.31	16.29		
15	256QAM	36	39	16.31	16.11	16.34	16.34	16.32		
15	256QAM	75	0	16.27	16.04	16.21	16.35	16.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.13	21.15	21.35	21.34	21.31	23	0
10	QPSK	1	25	21.17	21.14	21.25	21.25	21.34		
10	QPSK	1	49	21.25	21.19	21.26	21.32	21.17		
10	QPSK	25	0	20.22	20.18	20.31	20.30	20.35	21.5	1
10	QPSK	25	12	20.18	20.23	20.32	20.30	20.36		
10	QPSK	25	25	20.19	20.06	20.31	20.33	20.22		
10	QPSK	50	0	20.09	20.18	20.30	20.35	20.28		
10	16QAM	1	0	20.25	20.22	20.27	20.38	20.33	21.5	1
10	16QAM	1	25	20.16	20.18	20.34	20.28	20.26		
10	16QAM	1	49	20.24	20.07	20.20	20.31	20.20		
10	16QAM	25	0	19.08	19.06	19.29	19.27	19.24	20.5	2
10	16QAM	25	12	19.11	19.15	19.38	19.33	19.34		
10	16QAM	25	25	19.35	19.15	19.23	19.25	19.19		
10	16QAM	50	0	19.12	19.20	19.23	19.29	19.35		
10	64QAM	1	0	19.22	19.25	19.23	19.40	19.37	20.5	2
10	64QAM	1	25	19.25	19.17	19.38	19.35	19.24		
10	64QAM	1	49	19.26	19.08	19.33	19.29	19.20		
10	64QAM	25	0	18.10	18.12	18.42	18.29	18.40	19.5	3
10	64QAM	25	12	18.16	18.17	18.28	18.22	18.35		
10	64QAM	25	25	18.32	18.17	18.28	18.41	18.25		
10	64QAM	50	0	18.14	18.16	18.29	18.39	18.27		
10	256QAM	1	0	16.19	16.18	16.29	16.34	16.33	17.5	5
10	256QAM	1	25	16.10	16.12	16.31	16.30	16.37		
10	256QAM	1	49	16.27	16.06	16.19	16.30	16.21		
10	256QAM	25	0	16.12	16.11	16.34	16.38	16.25	17.5	5
10	256QAM	25	12	16.13	16.22	16.32	16.36	16.29		
10	256QAM	25	25	16.30	16.09	16.35	16.25	16.22		
10	256QAM	50	0	16.17	16.10	16.21	16.29	16.14		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.15	21.25	21.31	21.27	21.29	23	0
5	QPSK	1	12	21.21	21.19	21.32	21.21	21.34		
5	QPSK	1	24	21.23	21.22	21.25	21.25	21.24		
5	QPSK	12	0	20.11	20.09	20.43	20.27	20.40	21.5	1
5	QPSK	12	7	20.14	20.13	20.34	20.32	20.37		
5	QPSK	12	13	20.20	20.16	20.21	20.28	20.26		
5	QPSK	25	0	20.09	20.15	20.39	20.39	20.35		
5	16QAM	1	0	20.22	20.18	20.27	20.30	20.37	21.5	1
5	16QAM	1	12	20.22	20.16	20.32	20.28	20.26		
5	16QAM	1	24	20.22	20.14	20.29	20.25	20.20		
5	16QAM	12	0	19.14	19.13	19.35	19.35	19.29	20.5	2
5	16QAM	12	7	19.06	19.16	19.29	19.31	19.41		
5	16QAM	12	13	19.30	19.18	19.22	19.27	19.26		
5	16QAM	25	0	19.19	19.24	19.33	19.35	19.34		
5	64QAM	1	0	19.25	19.23	19.26	19.33	19.44	20.5	2
5	64QAM	1	12	19.21	19.21	19.36	19.36	19.31		
5	64QAM	1	24	19.25	19.15	19.29	19.23	19.12		
5	64QAM	12	0	18.15	18.11	18.41	18.33	18.36	19.5	3
5	64QAM	12	7	18.16	18.16	18.27	18.20	18.40		
5	64QAM	12	13	18.34	18.15	18.22	18.34	18.17		
5	64QAM	25	0	18.17	18.11	18.25	18.34	18.25		
5	256QAM	1	0	16.15	16.18	16.33	16.33	16.43	17.5	5
5	256QAM	1	12	16.13	16.14	16.40	16.28	16.29		
5	256QAM	1	24	16.23	16.12	16.22	16.24	16.16		
5	256QAM	12	0	16.11	16.06	16.31	16.37	16.21	17.5	5
5	256QAM	12	7	16.18	16.19	16.31	16.32	16.30		
5	256QAM	12	13	16.21	16.16	16.27	16.26	16.33		
5	256QAM	25	0	16.15	16.09	16.19	16.29	16.15		

Reduced Power NSA Mode for DSI1

Band 2 Ant2 DSI1 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	15.57	15.67	15.61	17	0
20	QPSK	1	49	15.50	15.60	15.53		
20	QPSK	1	99	15.51	15.59	15.51		
20	QPSK	50	0	15.28	15.49	15.41	17	0
20	QPSK	50	24	15.32	15.32	15.36		
20	QPSK	50	50	15.10	15.34	15.29		
20	QPSK	100	0	15.20	15.42	15.38		
20	16QAM	1	0	15.14	15.24	15.14	17	0
20	16QAM	1	49	15.07	15.26	15.33		
20	16QAM	1	99	15.00	15.28	15.20		
20	16QAM	50	0	15.13	15.34	15.38	17	0
20	16QAM	50	24	15.19	15.25	15.30		
20	16QAM	50	50	15.17	15.35	15.43		
20	16QAM	100	0	15.17	15.41	15.32		
20	64QAM	1	0	15.28	15.52	15.38	17	0
20	64QAM	1	49	15.24	15.38	15.54		
20	64QAM	1	99	15.30	15.41	15.42		
20	64QAM	50	0	15.31	15.39	15.44	17	0
20	64QAM	50	24	15.28	15.40	15.46		
20	64QAM	50	50	15.08	15.36	15.48		
20	64QAM	100	0	15.16	15.37	15.35		
20	256QAM	1	0	15.28	15.42	15.35	17	0
20	256QAM	1	49	15.17	15.30	15.21		
20	256QAM	1	99	15.19	15.40	15.38		
20	256QAM	50	0	15.24	15.44	15.44	17	0
20	256QAM	50	24	15.17	15.36	15.42		
20	256QAM	50	50	15.28	15.33	15.24		
20	256QAM	100	0	15.25	15.37	15.33		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.36	15.60	15.46	17	0
15	QPSK	1	37	15.24	15.46	15.40		
15	QPSK	1	74	15.19	15.52	15.36		
15	QPSK	36	0	15.23	15.42	15.45	17	0
15	QPSK	36	20	15.27	15.33	15.33		
15	QPSK	36	39	15.16	15.38	15.28		
15	QPSK	75	0	15.17	15.42	15.34		
15	16QAM	1	0	15.09	15.34	15.13	17	0
15	16QAM	1	37	15.06	15.23	15.25		
15	16QAM	1	74	15.07	15.25	15.25		
15	16QAM	36	0	15.13	15.43	15.31	17	0
15	16QAM	36	20	15.17	15.29	15.25		
15	16QAM	36	39	15.18	15.38	15.40		
15	16QAM	75	0	15.21	15.41	15.33		
15	64QAM	1	0	15.19	15.51	15.39	17	0
15	64QAM	1	37	15.26	15.41	15.43		
15	64QAM	1	74	15.21	15.42	15.41		
15	64QAM	36	0	15.22	15.46	15.42	17	0
15	64QAM	36	20	15.19	15.38	15.45		
15	64QAM	36	39	15.06	15.44	15.49		
15	64QAM	75	0	15.15	15.29	15.28		
15	256QAM	1	0	15.24	15.43	15.35	17	0
15	256QAM	1	37	15.20	15.32	15.22		
15	256QAM	1	74	15.20	15.43	15.31		
15	256QAM	36	0	15.25	15.48	15.38	17	0
15	256QAM	36	20	15.18	15.43	15.41		
15	256QAM	36	39	15.25	15.38	15.33		
15	256QAM	75	0	15.17	15.37	15.33		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.35	15.60	15.38	17	0
10	QPSK	1	25	15.23	15.47	15.35		
10	QPSK	1	49	15.25	15.44	15.32		
10	QPSK	25	0	15.25	15.49	15.48	17	0
10	QPSK	25	12	15.22	15.39	15.29		
10	QPSK	25	25	15.06	15.30	15.25		
10	QPSK	50	0	15.16	15.40	15.27		
10	16QAM	1	0	15.07	15.33	15.16	17	0
10	16QAM	1	25	15.03	15.25	15.26		
10	16QAM	1	49	15.02	15.26	15.28		
10	16QAM	25	0	15.12	15.42	15.39	17	0
10	16QAM	25	12	15.12	15.26	15.28		
10	16QAM	25	25	15.15	15.32	15.33		
10	16QAM	50	0	15.22	15.40	15.34		
10	64QAM	1	0	15.21	15.43	15.39	17	0
10	64QAM	1	25	15.33	15.38	15.53		
10	64QAM	1	49	15.27	15.44	15.33		
10	64QAM	25	0	15.22	15.46	15.47	17	0
10	64QAM	25	12	15.20	15.35	15.47		
10	64QAM	25	25	15.14	15.41	15.49		
10	64QAM	50	0	15.18	15.33	15.34		
10	256QAM	1	0	15.31	15.43	15.31	17	0
10	256QAM	1	25	15.13	15.28	15.22		
10	256QAM	1	49	15.24	15.40	15.30		
10	256QAM	25	0	15.15	15.36	15.45	17	0
10	256QAM	25	12	15.26	15.31	15.46		
10	256QAM	25	25	15.20	15.33	15.25		
10	256QAM	50	0	15.14	15.30	15.37		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.44	15.52	15.49	17	0
5	QPSK	1	12	15.29	15.50	15.37		
5	QPSK	1	24	15.21	15.47	15.38		
5	QPSK	12	0	15.29	15.50	15.43	17	0
5	QPSK	12	7	15.29	15.42	15.38		
5	QPSK	12	13	15.12	15.39	15.20		
5	QPSK	25	0	15.18	15.41	15.33		
5	16QAM	1	0	15.09	15.33	15.12	17	0
5	16QAM	1	12	15.01	15.18	15.27		
5	16QAM	1	24	15.05	15.31	15.25		
5	16QAM	12	0	15.11	15.33	15.35	17	0
5	16QAM	12	7	15.11	15.30	15.25		
5	16QAM	12	13	15.10	15.32	15.40		
5	16QAM	25	0	15.19	15.43	15.37		
5	64QAM	1	0	15.23	15.45	15.49	17	0
5	64QAM	1	12	15.34	15.36	15.45		
5	64QAM	1	24	15.21	15.44	15.38		
5	64QAM	12	0	15.33	15.47	15.48	17	0
5	64QAM	12	7	15.18	15.39	15.43		
5	64QAM	12	13	15.14	15.38	15.48		
5	64QAM	25	0	15.18	15.36	15.34		
5	256QAM	1	0	15.28	15.48	15.39	17	0
5	256QAM	1	12	15.20	15.32	15.25		
5	256QAM	1	24	15.26	15.41	15.33		
5	256QAM	12	0	15.23	15.45	15.46	17	0
5	256QAM	12	7	15.18	15.42	15.38		
5	256QAM	12	13	15.25	15.34	15.30		
5	256QAM	25	0	15.21	15.34	15.34		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.34	15.61	15.38	17	0
3	QPSK	1	8	15.33	15.41	15.36		
3	QPSK	1	14	15.20	15.51	15.37		
3	QPSK	8	0	15.29	15.51	15.49	17	0
3	QPSK	8	4	15.27	15.38	15.30		
3	QPSK	8	7	15.05	15.36	15.22		
3	QPSK	15	0	15.16	15.37	15.35		
3	16QAM	1	0	15.11	15.33	15.15	17	0
3	16QAM	1	8	15.01	15.23	15.27		
3	16QAM	1	14	15.00	15.26	15.23		
3	16QAM	8	0	15.18	15.33	15.39	17	0
3	16QAM	8	4	15.16	15.28	15.22		
3	16QAM	8	7	15.21	15.30	15.37		
3	16QAM	15	0	15.12	15.34	15.43		
3	64QAM	1	0	15.29	15.48	15.38	17	0
3	64QAM	1	8	15.24	15.42	15.53		
3	64QAM	1	14	15.22	15.41	15.36		
3	64QAM	8	0	15.24	15.42	15.43	17	0
3	64QAM	8	4	15.21	15.39	15.44		
3	64QAM	8	7	15.08	15.44	15.42		
3	64QAM	15	0	15.12	15.31	15.32		
3	256QAM	1	0	15.23	15.43	15.34	17	0
3	256QAM	1	8	15.11	15.30	15.29		
3	256QAM	1	14	15.20	15.44	15.32		
3	256QAM	8	0	15.24	15.36	15.38	17	0
3	256QAM	8	4	15.20	15.37	15.41		
3	256QAM	8	7	15.28	15.33	15.31		
3	256QAM	15	0	15.17	15.28	15.40		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.43	15.61	15.43	17	0
1.4	QPSK	1	3	15.23	15.41	15.37		
1.4	QPSK	1	5	15.23	15.47	15.33		
1.4	QPSK	3	0	15.27	15.48	15.44		
1.4	QPSK	3	1	15.23	15.37	15.37		
1.4	QPSK	3	3	15.08	15.33	15.27		
1.4	QPSK	6	0	15.13	15.47	15.38	17	0
1.4	16QAM	1	0	15.13	15.30	15.14	17	0
1.4	16QAM	1	3	15.03	15.21	15.25		
1.4	16QAM	1	5	15.00	15.31	15.21		
1.4	16QAM	3	0	15.15	15.37	15.40		
1.4	16QAM	3	1	15.10	15.35	15.21		
1.4	16QAM	3	3	15.13	15.34	15.43		
1.4	16QAM	6	0	15.19	15.35	15.32	17	0
1.4	64QAM	1	0	15.25	15.53	15.46	17	0
1.4	64QAM	1	3	15.28	15.38	15.46		
1.4	64QAM	1	5	15.29	15.47	15.37		
1.4	64QAM	3	0	15.32	15.45	15.43		
1.4	64QAM	3	1	15.21	15.39	15.47		
1.4	64QAM	3	3	15.16	15.46	15.44		
1.4	64QAM	6	0	15.14	15.35	15.35	17	0
1.4	256QAM	1	0	15.33	15.45	15.35	17	0
1.4	256QAM	1	3	15.12	15.34	15.20		
1.4	256QAM	1	5	15.26	15.44	15.33		
1.4	256QAM	3	0	15.23	15.37	15.46		
1.4	256QAM	3	1	15.19	15.37	15.45		
1.4	256QAM	3	3	15.24	15.31	15.25		
1.4	256QAM	6	0	15.20	15.34	15.35	17	0

Band 7 Ant2 DSI1 Main PA-1 for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	13.31	13.56	13.33	14.5	0
20	QPSK	1	49	13.29	13.45	13.30		
20	QPSK	1	99	13.17	13.31	13.31		
20	QPSK	50	0	12.78	12.95	12.88	14.5	0
20	QPSK	50	24	12.71	12.87	12.77		
20	QPSK	50	50	12.82	12.90	12.76		
20	QPSK	100	0	12.85	12.96	12.80		
20	16QAM	1	0	12.68	12.84	12.77	14.5	0
20	16QAM	1	49	12.72	12.77	12.80		
20	16QAM	1	99	12.82	12.72	12.80		
20	16QAM	50	0	12.85	12.87	12.80	14.5	0
20	16QAM	50	24	12.72	12.74	12.71		
20	16QAM	50	50	12.79	12.84	12.76		
20	16QAM	100	0	12.85	12.88	12.89		
20	64QAM	1	0	12.72	12.80	12.73	14.5	0
20	64QAM	1	49	12.85	12.69	12.68		
20	64QAM	1	99	12.81	12.89	12.80		
20	64QAM	50	0	12.76	12.99	12.72	14.5	0
20	64QAM	50	24	12.84	12.83	12.86		
20	64QAM	50	50	12.71	12.83	12.78		
20	64QAM	100	0	12.72	12.85	12.74		
20	256QAM	1	0	12.81	12.83	12.83	14.5	0
20	256QAM	1	49	12.67	12.78	12.84		
20	256QAM	1	99	12.86	12.99	12.80		
20	256QAM	50	0	12.84	12.80	12.83	14.5	0
20	256QAM	50	24	12.66	12.78	12.80		
20	256QAM	50	50	12.79	12.74	12.81		
20	256QAM	100	0	12.90	12.80	12.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	13.26	13.53	13.30	14.5	0
15	QPSK	1	37	13.23	13.42	13.39		
15	QPSK	1	74	13.14	13.27	13.22		
15	QPSK	36	0	12.72	12.92	12.83	14.5	0
15	QPSK	36	20	12.70	12.77	12.82		
15	QPSK	36	39	12.91	12.86	12.81		
15	QPSK	75	0	12.85	12.92	12.80		
15	16QAM	1	0	12.77	12.91	12.86	14.5	0
15	16QAM	1	37	12.76	12.79	12.82		
15	16QAM	1	74	12.82	12.78	12.75		
15	16QAM	36	0	12.89	12.90	12.72	14.5	0
15	16QAM	36	20	12.75	12.75	12.75		
15	16QAM	36	39	12.80	12.80	12.80		
15	16QAM	75	0	12.95	12.88	12.87		
15	64QAM	1	0	12.71	12.75	12.79	14.5	0
15	64QAM	1	37	12.87	12.70	12.69		
15	64QAM	1	74	12.82	12.85	12.83		
15	64QAM	36	0	12.81	12.94	12.80	14.5	0
15	64QAM	36	20	12.63	12.79	12.76		
15	64QAM	36	39	12.75	12.82	12.86		
15	64QAM	75	0	12.79	12.85	12.78		
15	256QAM	1	0	12.73	12.84	12.83	14.5	0
15	256QAM	1	37	12.70	12.80	12.92		
15	256QAM	1	74	12.75	12.93	12.88		
15	256QAM	36	0	12.79	12.88	12.86	14.5	0
15	256QAM	36	20	12.75	12.80	12.79		
15	256QAM	36	39	12.74	12.73	12.82		
15	256QAM	75	0	12.88	12.82	12.70		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.33	13.47	13.38	14.5	0
10	QPSK	1	25	13.24	13.45	13.38		
10	QPSK	1	49	13.15	13.30	13.28		
10	QPSK	25	0	12.78	12.94	12.79	14.5	0
10	QPSK	25	12	12.74	12.79	12.77		
10	QPSK	25	25	12.90	12.88	12.76		
10	QPSK	50	0	12.83	12.93	12.85		
10	16QAM	1	0	12.71	12.89	12.83	14.5	0
10	16QAM	1	25	12.78	12.76	12.81		
10	16QAM	1	49	12.77	12.71	12.83		
10	16QAM	25	0	12.86	12.93	12.74	14.5	0
10	16QAM	25	12	12.77	12.73	12.78		
10	16QAM	25	25	12.75	12.78	12.75		
10	16QAM	50	0	12.92	12.87	12.80		
10	64QAM	1	0	12.78	12.74	12.76	14.5	0
10	64QAM	1	25	12.85	12.69	12.60		
10	64QAM	1	49	12.79	12.84	12.78		
10	64QAM	25	0	12.78	12.90	12.79	14.5	0
10	64QAM	25	12	12.65	12.76	12.76		
10	64QAM	25	25	12.76	12.73	12.82		
10	64QAM	50	0	12.71	12.80	12.79		
10	256QAM	1	0	12.74	12.80	12.82	14.5	0
10	256QAM	1	25	12.66	12.81	12.83		
10	256QAM	1	49	12.79	12.89	12.79		
10	256QAM	25	0	12.76	12.82	12.88	14.5	0
10	256QAM	25	12	12.70	12.88	12.85		
10	256QAM	25	25	12.78	12.83	12.83		
10	256QAM	50	0	12.87	12.76	12.65		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	13.32	13.54	13.38	14.5	0
5	QPSK	1	12	13.31	13.41	13.39		
5	QPSK	1	24	13.19	13.28	13.24		
5	QPSK	12	0	12.75	12.92	12.82	14.5	0
5	QPSK	12	7	12.68	12.87	12.83		
5	QPSK	12	13	12.84	12.85	12.85		
5	QPSK	25	0	12.87	12.87	12.84		
5	16QAM	1	0	12.71	12.94	12.82	14.5	0
5	16QAM	1	12	12.74	12.77	12.83		
5	16QAM	1	24	12.85	12.72	12.85		
5	16QAM	12	0	12.86	12.93	12.83	14.5	0
5	16QAM	12	7	12.73	12.79	12.77		
5	16QAM	12	13	12.80	12.76	12.78		
5	16QAM	25	0	12.87	12.82	12.90		
5	64QAM	1	0	12.82	12.80	12.74	14.5	0
5	64QAM	1	12	12.82	12.66	12.62		
5	64QAM	1	24	12.83	12.86	12.72		
5	64QAM	12	0	12.78	13.00	12.77	14.5	0
5	64QAM	12	7	12.63	12.80	12.80		
5	64QAM	12	13	12.68	12.83	12.78		
5	64QAM	25	0	12.69	12.86	12.72		
5	256QAM	1	0	12.79	12.91	12.82	14.5	0
5	256QAM	1	12	12.65	12.84	12.90		
5	256QAM	1	24	12.83	12.96	12.80		
5	256QAM	12	0	12.79	12.86	12.80	14.5	0
5	256QAM	12	7	12.74	12.85	12.79		
5	256QAM	12	13	12.77	12.73	12.84		
5	256QAM	25	0	12.84	12.77	12.65		

Band 7 Ant2 DSI1 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	9.27	9.48	9.39	10	0
20	QPSK	1	49	9.19	9.30	9.34		
20	QPSK	1	99	9.39	9.38	9.33		
20	QPSK	50	0	9.18	9.34	9.30	10	0
20	QPSK	50	24	9.00	9.08	9.20		
20	QPSK	50	50	9.00	8.95	9.28		
20	QPSK	100	0	9.12	9.38	9.26		
20	16QAM	1	0	9.04	9.04	9.28	10	0
20	16QAM	1	49	8.90	9.02	9.23		
20	16QAM	1	99	8.92	8.94	9.21		
20	16QAM	50	0	9.10	9.14	9.22	10	0
20	16QAM	50	24	9.07	9.13	9.24		
20	16QAM	50	50	8.97	8.96	9.34		
20	16QAM	100	0	9.22	9.15	9.41		
20	64QAM	1	0	9.12	9.18	9.25	10	0
20	64QAM	1	49	8.98	9.05	9.16		
20	64QAM	1	99	9.01	9.00	9.25		
20	64QAM	50	0	8.97	9.13	9.39	10	0
20	64QAM	50	24	8.99	9.05	9.32		
20	64QAM	50	50	8.89	8.89	9.24		
20	64QAM	100	0	9.22	9.12	9.39		
20	256QAM	1	0	9.22	9.19	9.41	10	0
20	256QAM	1	49	9.11	9.22	9.17		
20	256QAM	1	99	9.18	9.18	9.26		
20	256QAM	50	0	9.28	9.35	9.22	10	0
20	256QAM	50	24	9.14	9.20	9.39		
20	256QAM	50	50	9.28	9.11	9.42		
20	256QAM	100	0	9.13	9.12	9.15		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	9.23	9.43	9.34	10	0
15	QPSK	1	37	9.26	9.27	9.24		
15	QPSK	1	74	9.38	9.39	9.33		
15	QPSK	36	0	9.10	9.30	9.26	10	0
15	QPSK	36	20	9.00	9.07	9.19		
15	QPSK	36	39	8.94	9.03	9.31		
15	QPSK	75	0	9.15	9.41	9.28		
15	16QAM	1	0	8.99	9.01	9.24	10	0
15	16QAM	1	37	8.95	9.00	9.15		
15	16QAM	1	74	8.87	8.92	9.29		
15	16QAM	36	0	9.05	9.12	9.22	10	0
15	16QAM	36	20	9.08	9.12	9.23		
15	16QAM	36	39	8.98	8.98	9.33		
15	16QAM	75	0	9.23	9.08	9.39		
15	64QAM	1	0	9.06	9.20	9.24	10	0
15	64QAM	1	37	9.03	8.95	9.21		
15	64QAM	1	74	8.95	8.97	9.23		
15	64QAM	36	0	8.98	9.15	9.18	10	0
15	64QAM	36	20	8.91	9.08	9.34		
15	64QAM	36	39	8.94	8.92	9.27		
15	64QAM	75	0	9.26	9.10	9.34		
15	256QAM	1	0	9.29	9.23	9.28	10	0
15	256QAM	1	37	9.18	9.17	9.24		
15	256QAM	1	74	9.22	9.19	9.28		
15	256QAM	36	0	9.30	9.34	9.28	10	0
15	256QAM	36	20	9.13	9.17	9.19		
15	256QAM	36	39	9.28	9.20	9.45		
15	256QAM	75	0	9.08	9.09	9.15		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	9.24	9.43	9.32	10	0
10	QPSK	1	25	9.27	9.25	9.33		
10	QPSK	1	49	9.38	9.36	9.35		
10	QPSK	25	0	9.16	9.35	9.21	10	0
10	QPSK	25	12	8.98	9.09	9.23		
10	QPSK	25	25	8.91	8.99	9.32		
10	QPSK	50	0	9.18	9.39	9.26		
10	16QAM	1	0	8.98	8.95	9.28	10	0
10	16QAM	1	25	8.91	8.94	9.24		
10	16QAM	1	49	8.95	8.97	9.30		
10	16QAM	25	0	9.02	9.22	9.23	10	0
10	16QAM	25	12	9.08	9.06	9.24		
10	16QAM	25	25	9.07	8.98	9.37		

Band 7 Ant4 DSI1 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.46	16.60	16.54	17.5	0
20	QPSK	1	49	16.30	16.42	16.40		
20	QPSK	1	99	16.27	16.43	16.26		
20	QPSK	50	0	16.23	16.43	16.18	17.5	0
20	QPSK	50	24	16.31	16.31	16.29		
20	QPSK	50	50	16.31	16.24	16.16		
20	QPSK	100	0	16.17	16.31	16.16		
20	16QAM	1	0	16.23	16.33	16.16	17.5	0
20	16QAM	1	49	16.02	16.22	15.97		
20	16QAM	1	99	15.99	16.17	16.05		
20	16QAM	50	0	16.12	16.28	16.27	17.5	0
20	16QAM	50	24	16.19	16.20	16.03		
20	16QAM	50	50	16.21	16.23	16.16		
20	16QAM	100	0	16.14	16.23	16.01		
20	64QAM	1	0	16.23	16.44	16.32	17.5	0
20	64QAM	1	49	16.36	16.43	16.39		
20	64QAM	1	99	16.32	16.37	16.28		
20	64QAM	50	0	16.22	16.37	16.12	17.5	0
20	64QAM	50	24	16.12	16.14	16.04		
20	64QAM	50	50	16.13	16.15	16.03		
20	64QAM	100	0	16.28	16.36	16.25		
20	256QAM	1	0	16.26	16.44	16.28	17.5	0
20	256QAM	1	49	16.25	16.34	16.26		
20	256QAM	1	99	16.36	16.38	16.23		
20	256QAM	50	0	16.39	16.55	16.27	17.5	0
20	256QAM	50	24	16.28	16.43	16.27		
20	256QAM	50	50	16.28	16.47	16.33		
20	256QAM	100	0	16.41	16.48	16.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.47	16.57	16.43	17.5	0
15	QPSK	1	37	16.35	16.42	16.34		
15	QPSK	1	74	16.30	16.40	16.26		
15	QPSK	36	0	16.27	16.41	16.17	17.5	0
15	QPSK	36	20	16.33	16.36	16.20		
15	QPSK	36	39	16.29	16.28	16.09		
15	QPSK	75	0	16.25	16.26	16.17		
15	16QAM	1	0	16.23	16.28	16.14	17.5	0
15	16QAM	1	37	16.10	16.22	15.98		
15	16QAM	1	74	16.00	16.19	16.02		
15	16QAM	36	0	16.20	16.28	16.17	17.5	0
15	16QAM	36	20	16.19	16.22	16.02		
15	16QAM	36	39	16.14	16.30	16.13		
15	16QAM	75	0	16.15	16.22	16.01		
15	64QAM	1	0	16.31	16.45	16.36	17.5	0
15	64QAM	1	37	16.37	16.44	16.40		
15	64QAM	1	74	16.30	16.37	16.26		
15	64QAM	36	0	16.25	16.34	16.20	17.5	0
15	64QAM	36	20	16.14	16.10	16.14		
15	64QAM	36	39	16.06	16.18	16.04		
15	64QAM	75	0	16.33	16.38	16.19		
15	256QAM	1	0	16.31	16.38	16.27	17.5	0
15	256QAM	1	37	16.21	16.38	16.24		
15	256QAM	1	74	16.29	16.37	16.26		
15	256QAM	36	0	16.38	16.53	16.35	17.5	0
15	256QAM	36	20	16.32	16.53	16.34		
15	256QAM	36	39	16.29	16.42	16.25		
15	256QAM	75	0	16.36	16.42	16.23		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.46	16.55	16.44	17.5	0
10	QPSK	1	25	16.36	16.42	16.38		
10	QPSK	1	49	16.28	16.35	16.22		
10	QPSK	25	0	16.26	16.36	16.18	17.5	0
10	QPSK	25	12	16.31	16.27	16.28		
10	QPSK	25	25	16.23	16.20	16.08		
10	QPSK	50	0	16.18	16.28	16.15		
10	16QAM	1	0	16.23	16.26	16.19	17.5	0
10	16QAM	1	25	16.11	16.16	15.93		
10	16QAM	1	49	16.03	16.14	16.03		
10	16QAM	25	0	16.20	16.34	16.26	17.5	0
10	16QAM	25	12	16.23	16.20	16.02		
10	16QAM	25	25	16.14	16.31	16.19		
10	16QAM	50	0	16.14	16.25	16.09		
10	64QAM	1	0	16.34	16.41	16.37	17.5	0
10	64QAM	1	25	16.32	16.42	16.41		
10	64QAM	1	49	16.32	16.41	16.26		
10	64QAM	25	0	16.21	16.27	16.14	17.5	0
10	64QAM	25	12	16.09	16.14	16.05		
10	64QAM	25	25	16.14	16.15	16.12		
10	64QAM	50	0	16.36	16.33	16.27		
10	256QAM	1	0	16.24	16.39	16.36	17.5	0
10	256QAM	1	25	16.23	16.34	16.24		
10	256QAM	1	49	16.27	16.32	16.30		
10	256QAM	25	0	16.46	16.49	16.34	17.5	0
10	256QAM	25	12	16.39	16.49	16.38		
10	256QAM	25	25	16.27	16.46	16.22		
10	256QAM	50	0	16.31	16.45	16.31		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.47	16.57	16.45	17.5	0
5	QPSK	1	12	16.35	16.39	16.30		
5	QPSK	1	24	16.29	16.36	16.32		
5	QPSK	12	0	16.29	16.36	16.21	17.5	0
5	QPSK	12	7	16.35	16.39	16.30		
5	QPSK	12	13	16.27	16.25	16.14		
5	QPSK	25	0	16.19	16.28	16.23		
5	16QAM	1	0	16.16	16.27	16.14	17.5	0
5	16QAM	1	12	16.09	16.23	15.91		
5	16QAM	1	24	16.01	16.18	15.95		
5	16QAM	12	0	16.15	16.32	16.26	17.5	0
5	16QAM	12	7	16.20	16.20	16.01		
5	16QAM	12	13	16.13	16.32	16.17		
5	16QAM	25	0	16.15	16.20	16.10		
5	64QAM	1	0	16.26	16.38	16.28	17.5	0
5	64QAM	1	12	16.35	16.39	16.37		
5	64QAM	1	24	16.30	16.41	16.23		
5	64QAM	12	0	16.25	16.36	16.17	17.5	0
5	64QAM	12	7	16.13	16.20	16.14		
5	64QAM	12	13	16.07	16.21	16.12		
5	64QAM	25	0	16.36	16.31	16.19		
5	256QAM	1	0	16.34	16.46	16.29	17.5	0
5	256QAM	1	12	16.23	16.33	16.17		
5	256QAM	1	24	16.36	16.44	16.26		
5	256QAM	12	0	16.37	16.45	16.29	17.5	0
5	256QAM	12	7	16.32	16.47	16.32		
5	256QAM	12	13	16.30	16.40	16.30		
5	256QAM	25	0	16.31	16.40	16.30		

Band 7 Ant4 DSI1 Other PA-1 for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.35	16.54	16.26	17.5	0
20	QPSK	1	49	16.23	16.35	16.23		
20	QPSK	1	99	16.30	16.34	16.28		
20	QPSK	50	0	16.28	16.33	16.19	17.5	0
20	QPSK	50	24	16.21	16.28	16.00		
20	QPSK	50	50	16.20	16.25	15.88		
20	QPSK	100	0	16.35	16.43	16.02		
20	16QAM	1	0	16.32	16.31	16.05	17.5	0
20	16QAM	1	49	16.22	16.22	16.02		
20	16QAM	1	99	16.19	16.25	16.08		
20	16QAM	50	0	16.38	16.51	16.17	17.5	0
20	16QAM	50	24	16.20	16.34	16.04		
20	16QAM	50	50	16.17	16.17	16.00		
20	16QAM	100	0	16.20	16.44	16.10		
20	64QAM	1	0	16.32	16.37	16.02	17.5	0
20	64QAM	1	49	16.36	16.10	15.97		
20	64QAM	1	99	16.07	16.24	16.21		
20	64QAM	50	0	16.31	16.31	16.16	17.5	0
20	64QAM	50	24	16.27	16.28	15.98		
20	64QAM	50	50	16.19	16.26	16.00		
20	64QAM	100	0	16.31	16.34	16.14		
20	256QAM	1	0	16.28	16.38	16.12	17.5	0
20	256QAM	1	49	16.15	16.32	16.03		
20	256QAM	1	99	16.14	16.30	15.94		
20	256QAM	50	0	16.39	16.37	16.15	17.5	0
20	256QAM	50	24	16.23	16.26	16.07		
20	256QAM	50	50	16.18	16.26	16.00		
20	256QAM	100	0	16.18	16.28	16.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.39	16.50	16.19	17.5	0
15	QPSK	1	37	16.20	16.37	16.27		
15	QPSK	1	74	16.34	16.39	16.27		
15	QPSK	36	0	16.23	16.30	16.22	17.5	0
15	QPSK	36	20	16.31	16.32	15.95		
15	QPSK	36	39	16.20	16.29	15.94		
15	QPSK	75	0	16.27	16.42	16.02		
15	16QAM	1	0	16.35	16.33	16.06	17.5	0
15	16QAM	1	37	16.23	16.25	15.95		
15	16QAM	1	74	16.10	16.23	16.14		
15	16QAM	36	0	16.39	16.45	16.21	17.5	0
15	16QAM	36	20	16.26	16.44	16.00		
15	16QAM	36	39	16.19	16.13	16.03		
15	16QAM	75	0	16.23	16.36	16.11		
15	64QAM	1	0	16.39	16.35	16.01	17.5	0
15	64QAM	1	37	16.31	16.18	15.95		
15	64QAM	1	74	16.04	16.33	16.20		
15	64QAM	36	0	16.28	16.39	16.17	17.5	0
15	64QAM	36	20	16.20	16.29	15.92		
15	64QAM	36	39	16.26	16.27	16.07		
15	64QAM	75	0	16.27	16.32	16.07		
15	256QAM	1	0	16.34	16.44	16.12	17.5	0
15	256QAM	1	37	16.16	16.33	15.93		
15	256QAM	1	74	16.15	16.21	15.92		
15	256QAM	36	0	16.33	16.35	16.03	17.5	0
15	256QAM	36	20	16.24	16.31	16.13		
15	256QAM	36	39	16.26	16.21	16.02		
15	256QAM	75	0	16.20	16.27	16.19		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.33	16.47	16.21	17.5	0
10	QPSK	1	25	16.24	16.35	16.21		
10	QPSK	1	49	16.26	16.42	16.32		
10	QPSK	25	0	16.25	16.31	16.12	17.5	0
10	QPSK	25	12	16.24	16.25	16.00		
10	QPSK	25	25	16.17	16.30	15.93		
10	QPSK	50	0	16.33	16.41	16.06		
10	16QAM	1	0	16.33	16.33	16.13	17.5	0
10	16QAM	1	25	16.29	16.26	16.02		
10	16QAM	1	49	16.14	16.23	16.11		
10	16QAM	25	0	16.31	16.46	16.20	17.5	0
10	16QAM	25	12	16.25	16.35	15.94		
10	16QAM	25	25	16.11	16.09	15.97		
10	16QAM	50	0	16.25	16.43	16.10		
10	64QAM	1	0	16.32	16.40	15.96	17.5	0
10	64QAM	1	25	16.28	16.11	15.98		
10	64QAM	1	49	16.05	16.22	16.14		
10	64QAM	25	0	16.36	16.39	16.19	17.5	0
10	64QAM	25	12	16.24	16.38	15.92		
10	64QAM	25	25	16.22	16.29	16.07		
10	64QAM	50	0	16.28	16.30	16.11		
10	256QAM	1	0	16.28	16.47	16.05	17.5	0
10	256QAM	1	25	16.21	16.36	15.96		
10	256QAM	1	49	16.16	16.22	15.93		
10	256QAM	25	0	16.30	16.42	16.12	17.5	0
10	256QAM	25	12	16.27	16.34	16.05		
10	256QAM	25	25	16.17	16.22	16.00		
10	256QAM	50	0	16.23	16.19	16.19		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.43	16.49	16.27	17.5	0
5	QPSK	1	12	16.23	16.35	16.18		
5	QPSK	1	24	16.34	16.33	16.27		
5	QPSK	12	0	16.33	16.38	16.22	17.5	0
5	QPSK	12	7	16.31	16.31	16.01		
5	QPSK	12	13	16.13	16.29	15.93		
5	QPSK	25	0	16.30	16.44	16.09		
5	16QAM	1	0	16.36	16.31	16.14	17.5	0
5	16QAM	1	12	16.32	16.26	15.96		
5	16QAM	1	24	16.13	16.15	16.18		
5	16QAM	12	0	16.35	16.49	16.15	17.5	0
5	16QAM	12	7	16.26	16.34	16.01		
5	16QAM	12	13	16.18	16.17	16.06		
5	16QAM	25	0	16.29	16.43	16.02		
5	64QAM	1	0	16.37	16.34	15.94	17.5	0
5	64QAM	1	12	16.29	16.16	16.01		
5	64QAM	1	24	16.07	16.31	16.15		
5	64QAM	12	0	16.29	16.33	16.20	17.5	0
5	64QAM	12	7	16.25	16.31	15.98		
5	64QAM	12	13	16.20	16.29	16.03		
5	64QAM	25	0	16.23	16.33	16.11		
5	256QAM	1	0	16.34	16.43	16.07	17.5	0
5	256QAM	1	12	16.15	16.44	15.95		
5	256QAM	1	24	16.16	16.21	15.93		
5	256QAM	12	0	16.33	16.38	16.13	17.5	0
5	256QAM	12	7	16.30	16.33	16.09		
5	256QAM	12	13	16.18	16.28	16.00		
5	256QAM	25	0	16.19	16.29	16.11		

Band 7 Ant5 DSI1 Main PA-1 for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.80	19.90	19.84	21	0
20	QPSK	1	49	19.75	19.82	19.87		
20	QPSK	1	99	19.80	19.74	19.79		
20	QPSK	50	0	19.69	19.70	19.69	21	0
20	QPSK	50	24	19.60	19.64	19.60		
20	QPSK	50	50	19.65	19.69	19.61		
20	QPSK	100	0	19.64	19.67	19.63		
20	16QAM	1	0	19.64	19.62	19.61	21	0
20	16QAM	1	49	19.59	19.61	19.64		
20	16QAM	1	99	19.67	19.68	19.65		
20	16QAM	50	0	18.70	18.73	18.69	20	1
20	16QAM	50	24	18.66	18.68	18.60		
20	16QAM	50	50	18.57	18.63	18.66		
20	16QAM	100	0	18.73	18.70	18.63		
20	64QAM	1	0	18.62	18.61	18.63	20	1
20	64QAM	1	49	18.58	18.61	18.63		
20	64QAM	1	99	18.56	18.64	18.61		
20	64QAM	50	0	17.68	17.65	17.66	19	2
20	64QAM	50	24	17.58	17.67	17.66		
20	64QAM	50	50	17.58	17.64	17.60		
20	64QAM	100	0	17.53	17.61	17.53		
20	256QAM	1	0	15.62	15.70	15.70	17	4
20	256QAM	1	49	15.59	15.61	15.58		
20	256QAM	1	99	15.59	15.64	15.64		
20	256QAM	50	0	15.58	15.62	15.63	17	4
20	256QAM	50	24	15.65	15.68	15.71		
20	256QAM	50	50	15.58	15.56	15.50		
20	256QAM	100	0	15.67	15.73	15.69		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.84	19.85	19.89	21	0
15	QPSK	1	37	19.82	19.88	19.85		
15	QPSK	1	74	19.73	19.82	19.77		
15	QPSK	36	0	19.63	19.63	19.64	21	0
15	QPSK	36	20	19.60	19.57	19.57		
15	QPSK	36	39	19.59	19.64	19.55		
15	QPSK	75	0	19.60	19.70	19.56		
15	16QAM	1	0	19.60	19.59	19.53	21	0
15	16QAM	1	37	19.54	19.61	19.67		
15	16QAM	1	74	19.66	19.61	19.61		
15	16QAM	36	0	18.62	18.72	18.66	20	1
15	16QAM	36	20	18.60	18.71	18.60		
15	16QAM	36	39	18.58	18.64	18.59		
15	16QAM	75	0	18.65	18.69	18.54		
15	64QAM	1	0	18.60	18.56	18.59	20	1
15	64QAM	1	37	18.57	18.63	18.66		
15	64QAM	1	74	18.55	18.56	18.52		
15	64QAM	36	0	17.67	17.63	17.63	19	2
15	64QAM	36	20	17.52	17.67	17.57		
15	64QAM	36	39	17.58	17.65	17.56		
15	64QAM	75	0	17.53	17.53	17.52		
15	256QAM	1	0	15.56	15.73	15.63	17	4
15	256QAM	1	37	15.55	15.63	15.53		
15	256QAM	1	74	15.54	15.55	15.63		
15	256QAM	36	0	15.56	15.55	15.61	17	4
15	256QAM	36	20	15.56	15.69	15.68		
15	256QAM	36	39	15.54	15.58	15.50		
15	256QAM	75	0	15.60	15.73	15.63		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.81	19.89	19.82	21	0
10	QPSK	1	25	19.72	19.79	19.84		
10	QPSK	1	49	19.82	19.85	19.78		
10	QPSK	25	0	19.68	19.61	19.72	21	0
10	QPSK	25	12	19.57	19.61	19.62		
10	QPSK	25	25	19.60	19.66	19.56		
10	QPSK	50	0	19.63	19.64	19.58		
10	16QAM	1	0	19.61	19.58	19.56	21	0
10	16QAM	1	25	19.57	19.57	19.64		
10	16QAM	1	49	19.60	19.64	19.65		
10	16QAM	25	0	18.63	18.74	18.64	20	1
10	16QAM	25	12	18.63	18.64	18.54		
10	16QAM	25	25	18.51	18.58	18.65		
10	16QAM	50	0	18.65	18.68	18.56		
10	64QAM	1	0	18.62	18.57	18.63	20	1
10	64QAM	1	25	18.57	18.55	18.55		
10	64QAM	1	49	18.54	18.60	18.59		
10	64QAM	25	0	17.69	17.62	17.57	19	2
10	64QAM	25	12	17.54	17.59	17.64		
10	64QAM	25	25	17.61	17.57	17.57		
10	64QAM	50	0	17.50	17.57	17.55		
10	256QAM	1	0	15.55	15.71	15.69	17	4
10	256QAM	1	25	15.52	15.61	15.61		
10	256QAM	1	49	15.52	15.67	15.56		
10	256QAM	25	0	15.50	15.57	15.58	17	4
10	256QAM	25	12	15.60	15.65	15.69		
10	256QAM	25	25	15.59	15.54	15.57		
10	256QAM	50	0	15.60	15.74	15.61		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.76	19.83	19.79	21	0
5	QPSK	1	12	19.80	19.88	19.88		
5	QPSK	1	24	19.82	19.78	19.85		
5	QPSK	12	0	19.64	19.63	19.64	21	0
5	QPSK	12	7	19.52	19.63	19.58		
5	QPSK	12	13	19.57	19.64	19.58		
5	QPSK	25	0	19.55	19.63	19.62		
5	16QAM	1	0	19.61	19.63	19.56	21	0
5	16QAM	1	12	19.52	19.54	19.57		
5	16QAM	1	24	19.68	19.70	19.65		
5	16QAM	12	0	18.64	18.69	18.71	20	1
5	16QAM	12	7	18.67	18.61	18.58		
5	16QAM	12	13	18.51	18.65	18.69		
5	16QAM	25	0	18.68	18.62	18.55		
5	64QAM	1	0	18.60	18.62	18.56	20	1
5	64QAM	1	12	18.61	18.61	18.56		
5	64QAM	1	24	18.56	18.59	18.56		
5	64QAM	12	0	17.61	17.67	17.67	19	2
5	64QAM	12	7	17.56	17.68	17.62		
5	64QAM	12	13	17.61	17.58	17.58		
5	64QAM	25	0	17.52	17.62	17.52		
5	256QAM	1	0	15.55	15.65	15.69	17	4
5	256QAM	1	12	15.57	15.57	15.50		
5	256QAM	1	24	15.61	15.57	15.67		
5	256QAM	12	0	15.60	15.62	15.63	17	4
5	256QAM	12	7	15.60	15.59	15.73		
5	256QAM	12	13	15.57	15.57	15.51		
5	256QAM	25	0	15.64	15.65	15.68		

Band 7 Ant5 DSI1 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.03	20.20	20.11	21.5	0
20	QPSK	1	49	20.04	20.09	20.10		
20	QPSK	1	99	20.01	20.10	20.10		
20	QPSK	50	0	19.94	20.08	20.02	21.5	0
20	QPSK	50	24	19.86	19.96	19.95		
20	QPSK	50	50	19.83	19.95	19.91		
20	QPSK	100	0	19.96	20.07	20.01		
20	16QAM	1	0	19.82	19.91	19.87	21.5	0
20	16QAM	1	49	19.81	19.90	19.96		
20	16QAM	1	99	19.74	19.88	19.84		
20	16QAM	50	0	18.98	19.03	19.09	20.5	1
20	16QAM	50	24	18.90	18.95	18.97		
20	16QAM	50	50	18.90	18.97	19.02		
20	16QAM	100	0	18.95	19.02	19.00		
20	64QAM	1	0	19.01	19.11	19.16	20.5	1
20	64QAM	1	49	18.96	19.07	19.05		
20	64QAM	1	99	18.92	19.04	19.08		
20	64QAM	50	0	17.89	17.96	17.91	19.5	2
20	64QAM	50	24	17.83	17.98	18.02		
20	64QAM	50	50	17.87	17.92	17.89		
20	64QAM	100	0	18.01	18.07	18.10		
20	256QAM	1	0	16.03	16.12	16.16	17.5	4
20	256QAM	1	49	16.04	16.11	16.09		
20	256QAM	1	99	16.02	16.13	16.12		
20	256QAM	50	0	15.98	16.10	16.16	17.5	4
20	256QAM	50	24	15.99	16.12	16.17		
20	256QAM	50	50	15.96	16.06	16.06		
20	256QAM	100	0	15.98	16.08	16.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.07	20.12	20.14	21.5	0
15	QPSK	1	37	20.06	20.19	20.05		
15	QPSK	1	74	20.00	20.18	20.12		
15	QPSK	36	0	19.92	20.09	19.97	21.5	0
15	QPSK	36	20	19.83	19.93	19.91		
15	QPSK	36	39	19.81	19.92	19.91		
15	QPSK	75	0	19.94	20.03	20.06		
15	16QAM	1	0	19.76	19.86	19.79	21.5	0
15	16QAM	1	37	19.75	19.86	19.99		
15	16QAM	1	74	19.74	19.88	19.80		
15	16QAM	36	0	18.94	18.97	19.09	20.5	1
15	16QAM	36	20	18.85	18.91	18.89		
15	16QAM	36	39	18.91	18.90	18.94		
15	16QAM	75	0	18.90	19.04	18.94		
15	64QAM	1	0	18.95	19.02	19.11	20.5	1
15	64QAM	1	37	18.95	19.03	19.07		
15	64QAM	1	74	18.92	18.96	19.03		
15	64QAM	36	0	17.81	17.98	17.91	19.5	2
15	64QAM	36	20	17.76	17.94	18.03		
15	64QAM	36	39	17.87	17.85	17.90		
15	64QAM	75	0	18.00	18.05	18.05		
15	256QAM	1	0	15.99	16.03	16.18	17.5	4
15	256QAM	1	37	15.98	16.09	16.02		
15	256QAM	1	74	15.96	16.06	16.07		
15	256QAM	36	0	15.94	16.04	16.11	17.5	4
15	256QAM	36	20	15.93	16.07	16.08		
15	256QAM	36	39	15.90	16.01	16.03		
15	256QAM	75	0	15.90	16.10	16.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.98	20.12	20.13	21.5	0
10	QPSK	1	25	19.96	20.18	20.05		
10	QPSK	1	49	19.99	20.09	20.17		
10	QPSK	25	0	19.89	20.04	20.03	21.5	0
10	QPSK	25	12	19.78	19.96	19.88		
10	QPSK	25	25	19.85	19.93	19.87		
10	QPSK	50	0	19.92	20.01	20.08		
10	16QAM	1	0	19.76	19.88	19.85	21.5	0
10	16QAM	1	25	19.83	19.91	19.92		
10	16QAM	1	49	19.70	19.86	19.76		
10	16QAM	25	0	19.00	18.96	19.07	20.5	1
10	16QAM	25	12	18.82	18.96	18.95		
10	16QAM	25	25	18.82	18.93	19.04		
10	16QAM	50	0	18.87	19.04	18.96		
10	64QAM	1	0	18.92	19.14	19.11	20.5	1
10	64QAM	1	25	18.97	19.00	19.05		
10	64QAM	1	49	18.94	19.06	19.02		
10	64QAM	25	0	17.83	17.99	17.84	19.5	2
10	64QAM	25	12	17.86	17.99	18.02		
10	64QAM	25	25	17.83	17.86	17.86		
10	64QAM	50	0	17.98	18.07	18.13		
10	256QAM	1	0	16.03	16.08	16.15	17.5	4
10	256QAM	1	25	16.06	16.04	16.08		
10	256QAM	1	49	15.96	16.06	16.09		
10	256QAM	25	0	15.89	16.09	16.08	17.5	4
10	256QAM	25	12	15.93	16.13	16.13		
10	256QAM	25	25	15.90	16.02	16.09		
10	256QAM	50	0	15.96	16.04	16.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.00	20.15	20.18	21.5	0
5	QPSK	1	12	19.98	20.08	20.05		
5	QPSK	1	24	20.01	20.12	20.11		
5	QPSK	12	0	19.85	20.05	20.02	21.5	0
5	QPSK	12	7	19.83	19.90	19.91		
5	QPSK	12	13	19.76	19.94	19.89		
5	QPSK	25	0	19.95	19.95	20.01		
5	16QAM	1	0	19.75	19.91	19.83	21.5	0
5	16QAM	1	12	19.73	19.88	19.94		
5	16QAM	1	24	19.74	19.83	19.82		
5	16QAM	12	0	18.93	18.96	19.08	20.5	1
5	16QAM	12	7	18.83	18.88	18.90		
5	16QAM	12	13	18.88	18.92	18.97		
5	16QAM	25	0	18.96	18.95	18.91		
5	64QAM	1	0	18.95	19.04	19.12	20.5	1
5	64QAM	1	12	18.91	18.99	19.04		
5	64QAM	1	24	18.93	18.99	19.01		
5	64QAM	12	0	17.86	17.93	17.87	19.5	2
5	64QAM	12	7	17.76	17.90	18.02		
5	64QAM	12	13	17.87	17.93	17.85		
5	64QAM	25	0	18.01	17.99	18.12		
5	256QAM	1	0	16.02	16.10	16.09	17.5	4
5	256QAM	1	12	15.98	16.06	16.07		
5	256QAM	1	24	16.01	16.14	16.11		
5	256QAM	12	0	15.97	16.09	16.16	17.5	4
5	256QAM	12	7	15.93	16.12	16.16		
5	256QAM	12	13	15.99	16.08	16.04		
5	256QAM	25	0	15.91	16.03	16.13		

Reduced Power NSA Mode for DSI1

Band 2 Ant2 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.58	18.78	18.63	20	0
20	QPSK	1	49	18.47	18.64	18.61		
20	QPSK	1	99	18.44	18.67	18.56		
20	QPSK	50	0	18.44	18.66	18.63	20	0
20	QPSK	50	24	18.46	18.57	18.54		
20	QPSK	50	50	18.31	18.56	18.45		
20	QPSK	100	0	18.36	18.52	18.53		
20	16QAM	1	0	18.32	18.49	18.30	20	0
20	16QAM	1	49	18.27	18.44	18.50		
20	16QAM	1	99	18.25	18.48	18.43		
20	16QAM	50	0	18.33	18.58	18.55	20	0
20	16QAM	50	24	18.34	18.50	18.46		
20	16QAM	50	50	18.36	18.54	18.58		
20	16QAM	100	0	18.37	18.59	18.58		
20	64QAM	1	0	18.43	18.69	18.63	20	0
20	64QAM	1	49	18.48	18.57	18.68		
20	64QAM	1	99	18.46	18.61	18.56		
20	64QAM	50	0	18.47	18.63	18.62	20	0
20	64QAM	50	24	18.43	18.56	18.63		
20	64QAM	50	50	18.31	18.62	18.65		
20	64QAM	100	0	18.37	18.53	18.49		
20	256QAM	1	0	18.48	18.63	18.56	20	0
20	256QAM	1	49	18.35	18.52	18.44		
20	256QAM	1	99	18.41	18.60	18.55		
20	256QAM	50	0	18.40	18.62	18.60	20	0
20	256QAM	50	24	18.40	18.57	18.61		
20	256QAM	50	50	18.44	18.53	18.49		
20	256QAM	100	0	18.40	18.52	18.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.52	18.74	18.65	20	0
15	QPSK	1	37	18.51	18.67	18.59		
15	QPSK	1	74	18.39	18.68	18.55		
15	QPSK	36	0	18.47	18.59	18.65	20	0
15	QPSK	36	20	18.46	18.59	18.57		
15	QPSK	36	39	18.34	18.52	18.50		
15	QPSK	75	0	18.34	18.62	18.52		
15	16QAM	1	0	18.23	18.39	18.31	20	0
15	16QAM	1	37	18.27	18.47	18.41		
15	16QAM	1	74	18.19	18.44	18.44		
15	16QAM	36	0	18.36	18.55	18.63	20	0
15	16QAM	36	20	18.46	18.53	18.52		
15	16QAM	36	39	18.34	18.55	18.52		
15	16QAM	75	0	18.33	18.55	18.54		
15	64QAM	1	0	18.54	18.68	18.64	20	0
15	64QAM	1	37	18.38	18.61	18.58		
15	64QAM	1	74	18.46	18.58	18.60		
15	64QAM	36	0	18.47	18.55	18.62	20	0
15	64QAM	36	20	18.41	18.60	18.59		
15	64QAM	36	39	18.32	18.63	18.65		
15	64QAM	75	0	18.35	18.53	18.54		
15	256QAM	1	0	18.45	18.55	18.54	20	0
15	256QAM	1	37	18.31	18.55	18.43		
15	256QAM	1	74	18.36	18.50	18.50		
15	256QAM	36	0	18.42	18.58	18.57	20	0
15	256QAM	36	20	18.37	18.56	18.62		
15	256QAM	36	39	18.42	18.57	18.51		
15	256QAM	75	0	18.44	18.52	18.58		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.58	18.77	18.62	20	0
10	QPSK	1	25	18.46	18.70	18.60		
10	QPSK	1	49	18.45	18.61	18.53		
10	QPSK	25	0	18.54	18.65	18.60	20	0
10	QPSK	25	12	18.46	18.55	18.63		
10	QPSK	25	25	18.35	18.63	18.48		
10	QPSK	50	0	18.39	18.54	18.59		
10	16QAM	1	0	18.23	18.39	18.33	20	0
10	16QAM	1	25	18.31	18.41	18.40		
10	16QAM	1	49	18.19	18.48	18.48		
10	16QAM	25	0	18.35	18.58	18.55	20	0
10	16QAM	25	12	18.35	18.54	18.42		
10	16QAM	25	25	18.29	18.56	18.56		
10	16QAM	50	0	18.32	18.55	18.48		
10	64QAM	1	0	18.54	18.66	18.66	20	0
10	64QAM	1	25	18.45	18.62	18.61		
10	64QAM	1	49	18.48	18.59	18.59		
10	64QAM	25	0	18.43	18.60	18.64	20	0
10	64QAM	25	12	18.41	18.55	18.60		
10	64QAM	25	25	18.38	18.59	18.65		
10	64QAM	50	0	18.26	18.52	18.54		
10	256QAM	1	0	18.43	18.58	18.60	20	0
10	256QAM	1	25	18.39	18.48	18.46		
10	256QAM	1	49	18.38	18.51	18.51		
10	256QAM	25	0	18.40	18.59	18.56	20	0
10	256QAM	25	12	18.46	18.59	18.62		
10	256QAM	25	25	18.38	18.57	18.55		
10	256QAM	50	0	18.42	18.57	18.50		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.51	18.75	18.70	20	0
5	QPSK	1	12	18.50	18.70	18.60		
5	QPSK	1	24	18.43	18.61	18.54		
5	QPSK	12	0	18.44	18.60	18.67	20	0
5	QPSK	12	7	18.46	18.61	18.55		
5	QPSK	12	13	18.38	18.56	18.46		
5	QPSK	25	0	18.34	18.62	18.54		
5	16QAM	1	0	18.21	18.41	18.41	20	0
5	16QAM	1	12	18.28	18.51	18.46		
5	16QAM	1	24	18.28	18.45	18.45		
5	16QAM	12	0	18.36	18.65	18.61	20	0
5	16QAM	12	7	18.39	18.50	18.53		
5	16QAM	12	13	18.34	18.49	18.55		
5	16QAM	25	0	18.38	18.51	18.51		
5	64QAM	1	0	18.53	18.63	18.57	20	0
5	64QAM	1	12	18.36	18.59	18.58		
5	64QAM	1	24	18.48	18.58	18.59		
5	64QAM	12	0	18.40	18.55	18.56	20	0
5	64QAM	12	7	18.44	18.57	18.58		
5	64QAM	12	13	18.35	18.64	18.62		
5	64QAM	25	0	18.26	18.60	18.54		
5	256QAM	1	0	18.49	18.59	18.56	20	0
5	256QAM	1	12	18.39	18.54	18.48		
5	256QAM	1	24	18.36	18.57	18.55		
5	256QAM	12	0	18.43	18.53	18.57	20	0
5	256QAM	12	7	18.43	18.57	18.56		
5	256QAM	12	13	18.39	18.56	18.57		
5	256QAM	25	0	18.46	18.54	18.60		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.59	18.76	18.65	20	0
3	QPSK	1	8	18.45	18.63	18.69		
3	QPSK	1	14	18.43	18.66	18.57		
3	QPSK	8	0	18.52	18.57	18.61	20	0
3	QPSK	8	4	18.36	18.55	18.53		
3	QPSK	8	7	18.43	18.61	18.48		
3	QPSK	15	0	18.32	18.54	18.49		
3	16QAM	1	0	18.32	18.38	18.35	20	0
3	16QAM	1	8	18.31	18.50	18.41		
3	16QAM	1	14	18.22	18.42	18.45		
3	16QAM	8	0	18.36	18.57	18.62	20	0
3	16QAM	8	4	18.40	18.51	18.52		
3	16QAM	8	7	18.39	18.46	18.50		
3	16QAM	15	0	18.35	18.52	18.47		
3	64QAM	1	0	18.48	18.70	18.60	20	0
3	64QAM	1	8	18.44	18.60	18.59		
3	64QAM	1	14	18.38	18.65	18.59		
3	64QAM	8	0	18.47	18.58	18.60	20	0
3	64QAM	8	4	18.47	18.52	18.59		
3	64QAM	8	7	18.40	18.59	18.58		
3	64QAM	15	0	18.31	18.58	18.53		
3	256QAM	1	0	18.44	18.53	18.64	20	0
3	256QAM	1	8	18.33	18.52	18.48		
3	256QAM	1	14	18.39	18.50	18.55		
3	256QAM	8	0	18.36	18.55	18.53	20	0
3	256QAM	8	4	18.39	18.50	18.53		
3	256QAM	8	7	18.41	18.52	18.48		
3	256QAM	15	0	18.38	18.51	18.60		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.52	18.76	18.70	20	0
1.4	QPSK	1	3	18.52	18.66	18.70		
1.4	QPSK	1	5	18.40	18.64	18.58		
1.4	QPSK	3	0	18.51	18.77	18.70		
1.4	QPSK	3	1	18.53	18.66	18.60		
1.4	QPSK	3	3	18.43	18.67	18.58		
1.4	QPSK	6	0	18.46	18.62	18.60	20	0
1.4	16QAM	1	0	18.41	18.61	18.56	20	0
1.4	16QAM	1	3	18.32	18.54	18.48		
1.4	16QAM	1	5	18.38	18.59	18.54		
1.4	16QAM	3	0	18.24	18.48	18.39		
1.4	16QAM	3	1	18.30	18.47	18.49		
1.4	16QAM	3	3	18.30	18.44	18.40		
1.4	16QAM	6	0	18.35	18.60	18.59	20	0
1.4	64QAM	1	0	18.43	18.53	18.42	20	0
1.4	64QAM	1	3	18.31	18.46	18.54		
1.4	64QAM	1	5	18.32	18.50	18.51		
1.4	64QAM	3	0	18.51	18.62	18.59		
1.4	64QAM	3	1	18.44	18.62	18.66		
1.4	64QAM	3	3	18.40	18.58	18.59		
1.4	64QAM	6	0	18.46	18.62	18.64	20	0
1.4	256QAM	1	0	18.39	18.54	18.62	20	0
1.4	256QAM	1	3	18.36	18.51	18.44		
1.4	256QAM	1	5	18.40	18.52	18.50		
1.4	256QAM	3	0	18.36	18.59	18.62		
1.4	256QAM	3	1	18.45	18.56	18.58		
1.4	256QAM	3	3	18.39	18.55	18.55		
1.4	256QAM	6	0	18.39	18.49	18.58	20	0

Band 7 Ant2 DSI1 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.48	16.71	16.54	17.5	0
20	QPSK	1	49	16.46	16.67	16.55		
20	QPSK	1	99	16.38	16.47	16.46		
20	QPSK	50	0	15.96	16.13	16.04	17.5	0
20	QPSK	50	24	15.89	16.02	16.00		
20	QPSK	50	50	16.06	16.05	16.01		
20	QPSK	100	0	16.07	16.11	16.05		
20	16QAM	1	0	15.92	16.08	16.03	17.5	0
20	16QAM	1	49	15.92	16.02	16.00		
20	16QAM	1	99	16.01	15.97	16.01		
20	16QAM	50	0	16.11	16.11	15.98	17.5	0
20	16QAM	50	24	15.97	15.94	15.92		
20	16QAM	50	50	15.97	16.01	15.95		
20	16QAM	100	0	16.09	16.04	16.05		
20	64QAM	1	0	15.97	16.00	15.97	17.5	0
20	64QAM	1	49	16.03	15.89	15.86		
20	64QAM	1	99	16.00	16.09	15.97		
20	64QAM	50	0	15.98	16.14	15.96	17.5	0
20	64QAM	50	24	15.87	16.02	16.01		
20	64QAM	50	50	15.93	15.99	16.01		
20	64QAM	100	0	15.94	16.00	15.96		
20	256QAM	1	0	15.98	16.05	16.02	17.5	0
20	256QAM	1	49	15.86	16.01	16.07		
20	256QAM	1	99	16.01	16.14	16.04		
20	256QAM	50	0	15.99	16.03	16.04	17.5	0
20	256QAM	50	24	15.89	16.02	16.02		
20	256QAM	50	50	15.97	15.98	15.99		
20	256QAM	100	0	16.05	16.00	15.88		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.49	16.60	16.53	17.5	0
15	QPSK	1	37	16.52	16.59	16.51		
15	QPSK	1	74	16.35	16.57	16.47		
15	QPSK	36	0	16.03	16.12	16.04	17.5	0
15	QPSK	36	20	15.92	16.02	15.98		
15	QPSK	36	39	16.04	16.07	16.01		
15	QPSK	75	0	16.05	16.12	16.05		
15	16QAM	1	0	15.91	16.04	16.00	17.5	0
15	16QAM	1	37	15.98	15.95	15.91		
15	16QAM	1	74	16.00	15.98	15.94		
15	16QAM	36	0	16.06	16.09	16.04	17.5	0
15	16QAM	36	20	15.94	15.93	15.97		
15	16QAM	36	39	15.92	16.02	15.90		
15	16QAM	75	0	16.06	16.04	16.03		
15	64QAM	1	0	16.03	15.96	16.05	17.5	0
15	64QAM	1	37	15.91	16.00	15.91		
15	64QAM	1	74	16.03	16.06	15.91		
15	64QAM	36	0	16.09	16.09	16.04	17.5	0
15	64QAM	36	20	15.94	16.03	16.05		
15	64QAM	36	39	15.95	16.02	15.99		
15	64QAM	75	0	16.02	16.00	15.99		
15	256QAM	1	0	15.97	16.12	16.06	17.5	0
15	256QAM	1	37	15.93	16.06	16.09		
15	256QAM	1	74	15.97	16.16	15.98		
15	256QAM	36	0	16.05	16.09	16.03	17.5	0
15	256QAM	36	20	15.98	16.04	16.03		
15	256QAM	36	39	15.96	15.96	15.96		
15	256QAM	75	0	16.06	15.99	15.99		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.57	16.61	16.60	17.5	0
10	QPSK	1	25	16.47	16.63	16.56		
10	QPSK	1	49	16.44	16.51	16.52		
10	QPSK	25	0	16.04	16.06	16.09	17.5	0
10	QPSK	25	12	15.92	16.02	16.05		
10	QPSK	25	25	16.05	16.02	16.00		
10	QPSK	50	0	16.06	16.02	16.06		
10	16QAM	1	0	15.99	16.07	15.96	17.5	0
10	16QAM	1	25	15.99	16.00	16.00		
10	16QAM	1	49	15.92	15.94	16.01		
10	16QAM	25	0	16.04	16.11	15.99	17.5	0
10	16QAM	25	12	15.87	15.93	15.94		
10	16QAM	25	25	15.92	16.00	15.90		
10	16QAM	50	0	16.10	16.06	15.97		
10	64QAM	1	0	15.94	15.96	15.98	17.5	0
10	64QAM	1	25	15.99	15.93	15.93		
10	64QAM	1	49	16.02	16.06	15.93		
10	64QAM	25	0	16.08	16.17	16.04	17.5	0
10	64QAM	25	12	15.91	15.96	16.07		
10	64QAM	25	25	16.00	15.93	16.00		
10	64QAM	50	0	15.97	16.01	15.99		
10	256QAM	1	0	16.07	16.13	16.05	17.5	0
10	256QAM	1	25	15.96	16.03	16.07		
10	256QAM	1	49	16.04	16.12	16.01		
10	256QAM	25	0	16.04	16.07	15.94	17.5	0
10	256QAM	25	12	15.98	15.96	15.97		
10	256QAM	25	25	15.90	15.93	15.92		
10	256QAM	50	0	15.98	15.94	15.95		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.50	16.65	16.63	17.5	0
5	QPSK	1	12	16.53	16.65	16.51		
5	QPSK	1	24	16.45	16.51	16.49		
5	QPSK	12	0	15.95	16.09	16.10	17.5	0
5	QPSK	12	7	15.93	16.05	15.99		
5	QPSK	12	13	15.99	15.99	16.02		
5	QPSK	25	0	16.01	16.02	15.96		
5	16QAM	1	0	15.99	16.07	15.97	17.5	0
5	16QAM	1	12	15.93	16.02	15.91		
5	16QAM	1	24	16.01	16.01	15.99		
5	16QAM	12	0	16.05	16.16	16.01	17.5	0
5	16QAM	12	7	15.91	15.96	15.93		
5	16QAM	12	13	15.97	15.99	15.96		
5	16QAM	25	0	16.01	16.06	15.95		
5	64QAM	1	0	16.00	15.95	16.06	17.5	0
5	64QAM	1	12	16.01	15.97	15.88		
5	64QAM	1	24	16.05	15.98	16.01		
5	64QAM	12	0	16.05	16.10	15.99	17.5	0
5	64QAM	12	7	15.90	15.98	16.02		
5	64QAM	12	13	16.02	16.03	16.00		
5	64QAM	25	0	16.00	15.96	16.03		
5	256QAM	1	0	16.00	16.03	15.99	17.5	0
5	256QAM	1	12	15.89	15.97	16.05		
5	256QAM	1	24	15.96	16.09	16.02		
5	256QAM	12	0	16.01	16.07	16.03	17.5	0
5	256QAM	12	7	15.99	15.95	15.94		
5	256QAM	12	13	15.96	15.90	15.98		
5	256QAM	25	0	15.99	16.01	15.89		

Band 7 Ant2 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	12.26	12.47	12.35	13	0
20	QPSK	1	49	12.23	12.31	12.29		
20	QPSK	1	99	12.43	12.41	12.30		
20	QPSK	50	0	12.14	12.35	12.26	13	0
20	QPSK	50	24	12.03	12.05	12.23		
20	QPSK	50	50	11.97	11.97	12.34		
20	QPSK	100	0	12.13	12.37	12.30		
20	16QAM	1	0	11.99	12.01	12.30	13	0
20	16QAM	1	49	11.95	11.97	12.20		
20	16QAM	1	99	11.93	11.92	12.25		
20	16QAM	50	0	12.08	12.17	12.23	13	0
20	16QAM	50	24	12.03	12.08	12.24		
20	16QAM	50	50	12.02	11.97	12.33		
20	16QAM	100	0	12.20	12.14	12.40		
20	64QAM	1	0	12.07	12.19	12.22	13	0
20	64QAM	1	49	12.01	12.00	12.16		
20	64QAM	1	99	11.98	11.95	12.22		
20	64QAM	50	0	12.01	12.18	12.42	13	0
20	64QAM	50	24	11.94	12.05	12.32		
20	64QAM	50	50	11.95	11.93	12.23		
20	64QAM	100	0	12.21	12.15	12.37		
20	256QAM	1	0	12.23	12.21	12.45	13	0
20	256QAM	1	49	12.16	12.21	12.18		
20	256QAM	1	99	12.20	12.22	12.22		
20	256QAM	50	0	12.30	12.30	12.27	13	0
20	256QAM	50	24	12.17	12.22	12.45		
20	256QAM	50	50	12.26	12.15	12.41		
20	256QAM	100	0	12.13	12.13	12.10		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	12.28	12.40	12.38	13	0
15	QPSK	1	37	12.23	12.29	12.25		
15	QPSK	1	74	12.37	12.44	12.31		
15	QPSK	36	0	12.09	12.31	12.28	13	0
15	QPSK	36	20	12.00	11.99	12.16		
15	QPSK	36	39	11.92	11.97	12.33		
15	QPSK	75	0	12.12	12.33	12.24		
15	16QAM	1	0	12.01	11.95	12.28	13	0
15	16QAM	1	37	11.87	11.96	12.20		
15	16QAM	1	74	11.95	11.95	12.24		
15	16QAM	36	0	12.07	12.19	12.19	13	0
15	16QAM	36	20	12.01	12.02	12.27		
15	16QAM	36	39	11.97	11.94	12.30		
15	16QAM	75	0	12.20	12.13	12.33		
15	64QAM	1	0	12.08	12.19	12.22	13	0
15	64QAM	1	37	11.92	12.00	12.11		
15	64QAM	1	74	11.92	11.95	12.19		
15	64QAM	36	0	11.99	12.16	12.39	13	0
15	64QAM	36	20	11.85	12.06	12.33		
15	64QAM	36	39	11.94	11.91	12.20		
15	64QAM	75	0	12.20	12.09	12.35		
15	256QAM	1	0	12.14	12.22	12.36	13	0
15	256QAM	1	37	12.18	12.17	12.19		
15	256QAM	1	74	12.18	12.19	12.46		
15	256QAM	36	0	12.27	12.32	12.44	13	0
15	256QAM	36	20	12.09	12.18	12.40		
15	256QAM	36	39	12.23	12.07	12.37		
15	256QAM	75	0	12.08	12.13	12.44		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	12.20	12.41	12.38	13	0
10	QPSK	1	25	12.19	12.26	12.23		
10	QPSK	1	49	12.45	12.40	12.26		
10	QPSK	25	0	12.16	12.29	12.29	13	0
10	QPSK	25	12	12.03	12.02	12.24		
10	QPSK	25	25	11.98	11.94	12.33		
10	QPSK	50	0	12.06	12.40	12.30		
10	16QAM	1	0	11.97	11.95	12.31	13	0
10	16QAM	1	25	11.95	11.95	12.13		
10	16QAM	1	49	11.85	11.90	12.19		
10	16QAM	25	0	12.11	12.10	12.21	13	0
10	16QAM	25	12	11.95	11.99	12.22		
10	16QAM	25	25	11.95	11.95	12.30		
10	16QAM	50	0

Band 38 Ant2 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.27	15.29	15.28	16	0
20	QPSK	1	49	15.09	15.17	15.25		
20	QPSK	1	99	15.07	15.18	15.24		
20	QPSK	50	0	15.16	15.25	15.19	16	0
20	QPSK	50	24	15.09	15.23	15.21		
20	QPSK	50	50	15.17	15.20	15.19		
20	QPSK	100	0	15.01	15.14	15.09		
20	16QAM	1	0	15.23	15.23	15.21	16	0
20	16QAM	1	49	15.22	15.22	15.23		
20	16QAM	1	99	15.21	15.18	15.24		
20	16QAM	50	0	15.12	15.20	15.22	16	0
20	16QAM	50	24	15.07	15.11	15.11		
20	16QAM	50	50	15.15	15.18	15.25		
20	16QAM	100	0	15.18	15.19	15.16		
20	64QAM	1	0	15.12	15.19	15.16	16	0
20	64QAM	1	49	15.17	15.22	15.14		
20	64QAM	1	99	15.09	15.11	15.10		
20	64QAM	50	0	15.07	15.25	15.20	16	0
20	64QAM	50	24	15.13	15.22	15.20		
20	64QAM	50	50	15.07	15.20	15.14		
20	64QAM	100	0	15.16	15.16	15.13		
20	256QAM	1	0	15.03	15.20	15.21	16	0
20	256QAM	1	49	15.07	15.21	15.18		
20	256QAM	1	99	15.08	15.19	15.18		
20	256QAM	50	0	15.22	15.28	15.23	16	0
20	256QAM	50	24	15.19	15.22	15.24		
20	256QAM	50	50	15.07	15.11	15.24		
20	256QAM	100	0	15.10	15.26	15.26		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.18	15.27	15.28	16	0
15	QPSK	1	37	15.06	15.10	15.23		
15	QPSK	1	74	15.19	15.20	15.22		
15	QPSK	36	0	15.10	15.25	15.21	16	0
15	QPSK	36	20	15.11	15.23	15.20		
15	QPSK	36	39	15.16	15.22	15.22		
15	QPSK	75	0	15.02	15.14	15.02		
15	16QAM	1	0	15.16	15.24	15.13	16	0
15	16QAM	1	37	15.15	15.15	15.19		
15	16QAM	1	74	15.13	15.10	15.19		
15	16QAM	36	0	15.06	15.19	15.24	16	0
15	16QAM	36	20	15.05	15.07	15.04		
15	16QAM	36	39	15.15	15.20	15.18		
15	16QAM	75	0	15.16	15.21	15.08		
15	64QAM	1	0	15.13	15.16	15.11	16	0
15	64QAM	1	37	15.10	15.22	15.07		
15	64QAM	1	74	15.08	15.04	15.08		
15	64QAM	36	0	15.10	15.27	15.15	16	0
15	64QAM	36	20	15.10	15.19	15.22		
15	64QAM	36	39	15.09	15.20	15.12		
15	64QAM	75	0	15.12	15.14	15.06		
15	256QAM	1	0	15.15	15.13	15.22	16	0
15	256QAM	1	37	15.09	15.15	15.13		
15	256QAM	1	74	15.01	15.20	15.10		
15	256QAM	36	0	15.15	15.24	15.24	16	0
15	256QAM	36	20	15.13	15.20	15.23		
15	256QAM	36	39	15.05	15.14	15.26		
15	256QAM	75	0	15.03	15.26	15.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	15.28	15.21	15.28	16	0
10	QPSK	1	25	15.07	15.20	15.26		
10	QPSK	1	49	15.03	15.21	15.22		
10	QPSK	25	0	15.19	15.26	15.12	16	0
10	QPSK	25	12	15.06	15.19	15.21		
10	QPSK	25	25	15.17	15.12	15.13		
10	QPSK	50	0	15.07	15.10	15.04		
10	16QAM	1	0	15.21	15.18	15.17	16	0
10	16QAM	1	25	15.14	15.15	15.19		
10	16QAM	1	49	15.16	15.15	15.21		
10	16QAM	25	0	15.13	15.16	15.17	16	0
10	16QAM	25	12	15.08	15.13	15.11		
10	16QAM	25	25	15.07	15.16	15.21		
10	16QAM	50	0	15.11	15.21	15.11		
10	64QAM	1	0	15.09	15.16	15.09	16	0
10	64QAM	1	25	15.15	15.17	15.06		
10	64QAM	1	49	15.00	15.14	15.02		
10	64QAM	25	0	15.01	15.23	15.23	16	0
10	64QAM	25	12	15.07	15.22	15.21		
10	64QAM	25	25	15.01	15.14	15.06		
10	64QAM	50	0	15.15	15.09	15.14		
10	256QAM	1	0	15.06	15.19	15.18	16	0
10	256QAM	1	25	15.03	15.15	15.09		
10	256QAM	1	49	15.08	15.13	15.16		
10	256QAM	25	0	15.18	15.20	15.18	16	0
10	256QAM	25	12	15.16	15.22	15.19		
10	256QAM	25	25	15.02	15.13	15.16		
10	256QAM	50	0	15.03	15.25	15.28		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.25	15.25	15.28	16	0
5	QPSK	1	12	15.11	15.11	15.18		
5	QPSK	1	24	15.06	15.09	15.22		
5	QPSK	12	0	15.12	15.26	15.14	16	0
5	QPSK	12	7	15.07	15.19	15.14		
5	QPSK	12	13	15.13	15.22	15.17		
5	QPSK	25	0	15.03	15.06	15.07		
5	16QAM	1	0	15.14	15.15	15.19	16	0
5	16QAM	1	12	15.15	15.18	15.23		
5	16QAM	1	24	15.17	15.17	15.25		
5	16QAM	12	0	15.05	15.13	15.13	16	0
5	16QAM	12	7	15.00	15.12	15.06		
5	16QAM	12	13	15.13	15.16	15.28		
5	16QAM	25	0	15.15	15.11	15.08		
5	64QAM	1	0	15.05	15.15	15.08	16	0
5	64QAM	1	12	15.13	15.23	15.06		
5	64QAM	1	24	15.10	15.10	15.03		
5	64QAM	12	0	15.09	15.19	15.14	16	0
5	64QAM	12	7	15.13	15.22	15.20		
5	64QAM	12	13	15.09	15.17	15.14		
5	64QAM	25	0	15.18	15.18	15.11		
5	256QAM	1	0	15.03	15.23	15.16	16	0
5	256QAM	1	12	15.10	15.16	15.15		
5	256QAM	1	24	15.05	15.11	15.17		
5	256QAM	12	0	15.21	15.21	15.24	16	0
5	256QAM	12	7	15.11	15.24	15.24		
5	256QAM	12	13	15.04	15.03	15.18		
5	256QAM	25	0	15.09	15.19	15.24		

Band 41 Ant2 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.48	15.18	15.49	15.23	15.41	16	0
20	QPSK	1	49	15.44	15.16	15.40	15.15	15.41		
20	QPSK	1	99	15.43	15.13	15.40	15.17	15.40		
20	QPSK	50	0	15.42	15.22	15.48	15.26	15.38	16	0
20	QPSK	50	24	15.44	15.29	15.46	15.13	15.40		
20	QPSK	50	50	15.46	15.11	15.39	15.17	15.41		
20	QPSK	100	0	15.39	15.25	15.47	15.20	15.46		
20	16QAM	1	0	15.39	15.20	15.46	15.13	15.40	16	0
20	16QAM	1	49	15.35	15.23	15.30	15.13	15.44		
20	16QAM	1	99	15.48	15.18	15.43	15.17	15.39		
20	16QAM	50	0	15.36	15.21	15.48	15.35	15.39	16	0
20	16QAM	50	24	15.37	15.36	15.47	15.12	15.39		
20	16QAM	50	50	15.40	15.10	15.36	15.23	15.45		
20	16QAM	100	0	15.38	15.28	15.44	15.24	15.46		
20	64QAM	1	0	15.31	15.31	15.42	15.13	15.32	16	0
20	64QAM	1	49	15.36	15.23	15.29	15.09	15.43		
20	64QAM	1	99	15.35	15.17	15.37	15.18	15.40		
20	64QAM	50	0	15.30	15.31	15.46	15.22	15.30	16	0
20	64QAM	50	24	15.32	15.25	15.45	15.08	15.37		
20	64QAM	50	50	15.36	15.19	15.38	15.17	15.47		
20	64QAM	100	0	15.31	15.18	15.42	15.20	15.42		
20	256QAM	1	0	15.38	15.11	15.45	15.28	15.30	16	0
20	256QAM	1	49	15.34	15.32	15.40	15.15	15.45		
20	256QAM	1	99	15.21	15.15	15.31	15.05	15.47		
20	256QAM	50	0	15.32	15.31	15.39	15.18	15.32	16	0
20	256QAM	50	24	15.41	15.27	15.46	15.19	15.30		
20	256QAM	50	50	15.41	15.21	15.35	15.00	15.44		
20	256QAM	100	0	15.16	15.17	15.42	15.19	15.43		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.45	15.16	15.42	15.20	15.33	16	0
15	QPSK	1	37	15.46	15.19	15.42	15.13	15.36		
15	QPSK	1	74	15.42	15.08	15.38	15.16	15.31		
15	QPSK	36	0	15.35	15.17	15.45	15.20	15.35	16	0
15	QPSK	36	20	15.39	15.23	15.48	15.10	15.33		
15	QPSK	36	39	15.43	15.08	15.37	15.17	15.37		
15	QPSK	75	0	15.33	15.26	15.47	15.16	15.38		
15	16QAM	1	0	15.31	15.14	15.41	15.06	15.35	16	0
15	16QAM	1	37	15.29	15.18	15.33	15.13	15.42		
15	16QAM	1	74	15.45	15.12	15.46	15.16	15.32		
15	16QAM	36	0	15.36	15.24	15.48	15.32	15.33	16	0
15	16QAM	36	20	15.37	15.28	15.45	15.15	15.40		
15	16QAM	36	39	15.31	15.12	15.32	15.25	15.47		
15	16QAM	75	0	15.29	15.22	15.44	15.20	15.42		
15	64QAM	1	0	15.29	15.33	15.40	15.09	15.28	16	0
15	64QAM	1	37	15.27	15.15	15.25	15.00	15.35		
15	64QAM	1	74	15.29	15.16	15.36	15.14	15.34		
15	64QAM	36	0	15.28	15.29	15.45	15.23	15.25	16	0
15	64QAM	36	20	15.30	15.26	15.37	15.00	15.38		
15	64QAM	36	39	15.28	15.10	15.35	15.13	15.45		
15	64QAM	75	0	15.30	15.17	15.33	15.21	15.36		
15	256QAM	1	0	15.33	15.08	15.39	15.31	15.26	16	0
15	256QAM	1	37	15.28	15.27	15.32	15.16	15.38		
15	256QAM	1	74	15.17	15.11	15.34	15.04	15.42		
15	256QAM	36	0	15.27	15.27	15.38	15.16	15.27	16	0
15	256QAM	36	20	15.44	15.29	15.44	15.12	15.31		
15	256QAM	36	39	15.39	15.16	15.37	15.14	15.38		
15	256QAM	75	0	15.14	15.12	15.41	15.22	15.37		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.47	15.20	15.43	15.23	15.41	16	0
10	QPSK	1	25	15.40	15.09	15.35	15.12	15.41		
10	QPSK	1	49	15.41	15.05	15.40	15.09	15.33		
10	QPSK	25	0	15.36	15.16	15.41	15.22	15.38	16	0
10	QPSK	25	12	15.46	15.30	15.46	15.14	15.41		
10	QPSK	25	25	15.48	15.08	15.33	15.13	15.44		
10	QPSK	50	0	15.35	15.19	15.46	15.18	15.42		
10	16QAM	1	0	15.36	15.11	15.44	15.06	15.34	16	0
10	16QAM	1	25	15.28	15.19	15.30	15.14	15.46		
10	16QAM	1	49	15.20	15.14	15.35	15.14	15.32		
10	16QAM	25	0	15.31	15.21	15.42	15.36	15.30	16	0
10	16QAM	25	12	15.32	15.34	15.48	15.09	15.37		
10	16QAM	25	25	15.40	15.05	15.32	15.17	15.38		
10	16QAM	50	0	15.30	15.28	15.39	15.19	15.48		
10	64QAM	1	0	15.32	15.26	15.44	15.05	15.33	16	0
10	64QAM	1	25	15.37	15.15	15.28	15.06	15.44		
10	64QAM	1	49	15.33	15.15	15.29	15.12	15.33		
10	64QAM	25	0	15.28	15.34	15.38	15.25	15.27	16	0
10	64QAM	25	12	15.32	15.20	15.41	15.05	15.35		
10	64QAM	25	25	15.30	15.20	15.31	15.13	15.43		
10	64QAM	50	0	15.30	15.09	15.35	15.12	15.36		
10	256QAM	1	0	15.35	15.11	15.38	15.23	15.24	16	0
10	256QAM	1	25	15.36	15.26	15.38	15.16	15.40		
10	256QAM	1	49	15.15	15.16	15.25	15.04	15.47		
10	256QAM	25	0	15.28	15.23	15.40	15.20	15.34	16	0
10	256QAM	25	12	15.40	15.18	15.45	15.19	15.31		
10	256QAM	25	25	15.43	15.17	15.33	15.19	15.39		
10	256QAM	50	0	15.09	15.14	15.39	15.21	15.39		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.31	15.20	15.48	15.24	15.37	16	0
5	QPSK	1	12	15.38	15.18	15.31	15.07	15.32		
5	QPSK	1	24	15.44	15.06	15.34	15.09	15.36		
5	QPSK	12	0	15.38	15.17	15.45	15.24	15.40	16	0
5	QPSK	12	7	15.37	15.32	15.38	15.10	15.38		
5	QPSK	12	13	15.41	15.14	15.38	15.13	15.41		
5	QPSK	25	0	15.41	15.26	15.39	15.18	15.48		
5	16QAM	1	0	15.33	15.19	15.44	15.15	15.42	16	0
5	16QAM	1	12	15.35	15.19	15.25	15.07	15.39		
5	16QAM	1	24	15.44	15.12	15.39	15.13	15.37		
5	16QAM	12	0	15.32	15.22	15.40	15.29	15.39	16	0
5	16QAM	12	7	15.36	15.34	15.30	15.05	15.40		
5	16QAM	12	13	15.34	15.12	15.28	15.21	15.41		
5	16QAM	25	0	15.36	15.28	15.41	15.20	15.42		
5	64QAM	1	0	15.29	15.24	15.41	15.07	15.26	16	0
5	64QAM	1	12	15.30	15.21	15.24	15.01	15.43		
5	64QAM	1	24	15.33	15.09	15.36	15.12	15.33		
5	64QAM	12	0	15.30	15.25	15.40	15.16	15.24	16	0
5	64QAM	12	7	15.32	15.17	15.37	15.05	15.31		
5	64QAM	12	13	15.27	15.13	15.32	15.14	15.43		
5	64QAM	25	0	15.23	15.14	15.37	15.13	15.41		
5	256QAM	1	0	15.32	15.11	15.37	15.20	15.32	16	0
5	256QAM	1	12	15.27	15.30	15.43	15.13	15.43		
5	256QAM	1	24	15.17	15.10	15.27	15.06	15.47		
5	256QAM	12	0	15.25	15.23	15.41	15.19	15.25	16	0
5	256QAM	12	7	15.42	15.20	15.39	15.19	15.33		
5	256QAM	12	13	15.40	15.22	15.27	15.02	15.36		
5	256QAM	25	0	15.15	15.12	15.43	15.14	15.43		

Band 2 Ant3 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.84	24.02	23.92	24.5	0
20	QPSK	1	49	23.79	23.98	24.00		
20	QPSK	1	99	23.68	23.91	23.91		
20	QPSK	50	0	22.63	22.88	22.84	23.5	1
20	QPSK	50	24	22.54	22.76	22.71		
20	QPSK	50	50	22.55	22.78	22.78		
20	QPSK	100	0	22.54	22.74	22.72		
20	16QAM	1	0	22.38	22.58	22.51	23.5	1
20	16QAM	1	49	22.30	22.51	22.48		
20	16QAM	1	99	22.28	22.54	22.48		
20	16QAM	50	0	21.48	21.72	21.74	22.5	2
20	16QAM	50	24	21.54	21.68	21.60		
20	16QAM	50	50	21.47	21.71	21.68		
20	16QAM	100	0	21.48	21.68	21.59		
20	64QAM	1	0	21.70	21.87	21.90	22.5	2
20	64QAM	1	49	21.65	21.86	21.88		
20	64QAM	1	99	21.67	21.84	21.79		
20	64QAM	50	0	20.49	20.74	20.69	21.5	3
20	64QAM	50	24	20.57	20.71	20.65		
20	64QAM	50	50	20.56	20.70	20.71		
20	64QAM	100	0	20.49	20.67	20.59		
20	256QAM	1	0	18.48	18.65	18.64	19.5	5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.85	24.01	23.85	24.5	0
15	QPSK	1	37	23.75	23.94	24.00		
15	QPSK	1	74	23.60	23.87	23.86		
15	QPSK	36	0	22.61	22.83	22.77	23.5	1
15	QPSK	36	20	22.48	22.74	22.66		
15	QPSK	36	39	22.55	22.72	22.70		
15	QPSK	75	0	22.57	22.77	22.68		
15	16QAM	1	0	22.35	22.54	22.43	23.5	1
15	16QAM	1	37	22.23	22.46	22.39		
15	16QAM	1	74	22.25	22.55	22.39		
15	16QAM	36	0	21.50	21.67	21.66	22.5	2
15	16QAM	36	20	21.51	21.60	21.59		
15	16QAM	36	39	21.45	21.71	21.65		
15	16QAM	75	0	21.45	21.68	21.62		
15	64QAM	1	0	21.62	21.82	21.84	22.5	2
15	64QAM	1	37	21.57	21.78	21.84		
15	64QAM	1	74	21.68	21.78	21.80		
15	64QAM	36	0	20.48	20.74	20.68	21.5	3
15	64QAM	36	20	20.59	20.64	20.61		
15	64QAM	36	39	20.56	20.69	20.69		
15	64QAM	75	0	20.47	20.68	20.62		
15	256QAM	1	0	18.41	18.65	18.59	19.5	5
15	256QAM	1	37	18.43	18.56	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.82	23.96	23.85	24.5	0
10	QPSK	1	25	23.72	23.94	23.96		
10	QPSK	1	49	23.62	23.85	23.91		
10	QPSK	25	0	22.58	22.86	22.78	23.5	1
10	QPSK	25	12	22.48	22.78	22.68		
10	QPSK	25	25	22.50	22.79	22.76		
10	QPSK	50	0	22.52	22.70	22.64		
10	16QAM	1	0	22.31	22.58	22.53	23.5	1
10	16QAM	1	25	22.23	22.46	22.44		
10	16QAM	1	49	22.28	22.52	22.50		
10	16QAM	25	0	21.45	21.66	21.68	22.5	2
10	16QAM	25	12	21.55	21.65	21.61		
10	16QAM	25	25	21.40	21.70	21.69		
10	16QAM	50	0	21.40	21.63	21.57		
10	64QAM	1	0	21.62	21.82	21.88	22.5	2
10	64QAM	1	25	21.66	21.79	21.89		
10	64QAM	1	49	21.65	21.85	21.71		
10	64QAM	25	0	20.50	20.76	20.63	21.5	3
10	64QAM	25	12	20.58	20.63	20.67		
10	64QAM	25	25	20.53	20.62	20.66		
10	64QAM	50	0	20.46	20.63	20.59		
10	256QAM	1	0	18.46	18.56	18.57	19.5	5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.84	23.94	23.92	24.5	0
5	QPSK	1	12	23.81	23.98	23.98		
5	QPSK	1	24	23.59	23.83	23.94		
5	QPSK	12	0	22.62	22.91	22.86	23.5	1
5	QPSK	12	7	22.45	22.75	22.63		
5	QPSK	12	13	22.50	22.71	22.73		
5	QPSK	25	0	22.56	22.70	22.74		
5	16QAM	1	0	22.38	22.50	22.45	23.5	1
5	16QAM	1	12	22.30	22.50	22.49		
5	16QAM	1	24	22.23	22.49	22.41		
5	16QAM	12	0	21.45	21.67	21.74	22.5	2
5	16QAM	12	7	21.54	21.65	21.62		
5	16QAM	12	13	21.41	21.70	21.69		
5	16QAM	25	0	21.49	21.65	21.51		
5	64QAM	1	0	21.62	21.81	21.81	22.5	2
5	64QAM	1	12	21.61	21.80	21.88		
5	64QAM	1	24	21.59	21.84	21.77		
5	64QAM	12	0	20.44	20.65	20.65	21.5	3
5	64QAM	12	7	20.54	20.67	20.64		
5	64QAM	12	13	20.56	20.63	20.68		
5	64QAM	25	0	20.40	20.67	20.54		
5	256QAM	1	0	18.41	18.58	18.61	19.5	5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.77	23.94	23.92	24.5	0
3	QPSK	1	8	23.73	23.99	23.99		
3	QPSK	1	14	23.68	23.87	23.89		
3	QPSK	8	0	22.62	22.86	22.77	23.5	1
3	QPSK	8	4	22.51	22.72	22.64		
3	QPSK	8	7	22.49	22.69	22.70		
3	QPSK	15	0	22.46	22.71	22.63		
3	16QAM	1	0	22.40	22.59	22.50	23.5	1
3	16QAM	1	8	22.32	22.44	22.41		
3	16QAM	1	14	22.27	22.53	22.48		
3	16QAM	8	0	21.50	21.72	21.77	22.5	2
3	16QAM	8	4	21.55	21.68	21.54		
3	16QAM	8	7	21.39	21.63	21.68		
3	16QAM	15	0	21.44	21.67	21.61		
3	64QAM	1	0	21.71	21.87	21.81	22.5	2
3	64QAM	1	8	21.66	21.80	21.83		
3	64QAM	1	14	21.62	21.81	21.72		
3	64QAM	8	0	20.41	20.72	20.63	21.5	3
3	64QAM	8	4	20.53	20.68	20.62		
3	64QAM	8	7	20.53	20.70	20.68		
3	64QAM	15	0	20.44	20.58	20.60		
3	256QAM	1	0	18.45	18.58	18.62	19.5	5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.81	23.96	23.93	24.5	0
1.4	QPSK	1	3	23.75	23.95	23.92		
1.4	QPSK	1	5	23.64	23.94	23.93		
1.4	QPSK	3	0	23.76	23.93	23.87		
1.4	QPSK	3	1	23.72	23.94	23.95		
1.4	QPSK	3	3	23.67	23.94	23.92		
1.4	QPSK	6	0	22.63	22.89	22.76	23.5	1
1.4	16QAM	1	0	22.55	22.73	22.62	23.5	1
1.4	16QAM	1	3	22.49	22.70	22.69		
1.4	16QAM	1	5	22.56	22.68	22.73		
1.4	16QAM	3	0	22.34	22.59	22.43		
1.4	16QAM	3	1	22.29	22.49	22.44		
1.4	16QAM	3	3	22.20	22.47	22.46		
1.4	16QAM	6	0	21.42	21.72	21.69	22.5	2
1.4	64QAM	1	0	21.45	21.61	21.62	22.5	2
1.4	64QAM	1	3	21.42	21.64	21.62		
1.4	64QAM	1	5	21.43	21.69	21.59		
1.4	64QAM	3	0	21.64	21.88	21.82		
1.4	64QAM	3	1	21.62	21.80	21.82		
1.4	64QAM	3	3	21.65	21.80	21.77		
1.4	64QAM	6	0	20.52	20.65	20.68	21.5	3
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	5

Band 7 Ant3 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.52	23.65	23.63	24.5	0
20	QPSK	1	49	23.36	23.55	23.54		
20	QPSK	1	99	23.35	23.53	23.45		
20	QPSK	50	0	22.38	22.52	22.46	23.5	1
20	QPSK	50	24	22.31	22.46	22.39		
20	QPSK	50	50	22.24	22.38	22.33		
20	QPSK	100	0	22.27	22.44	22.40		
20	16QAM	1	0	22.29	22.39	22.38	23.5	1
20	16QAM	1	49	22.18	22.33	22.34		
20	16QAM	1	99	22.28	22.37	22.31		
20	16QAM	50	0	21.28	21.41	21.35	22.5	2
20	16QAM	50	24	21.28	21.41	21.32		
20	16QAM	50	50	21.22	21.36	21.28		
20	16QAM	100	0	21.20	21.40	21.39		
20	64QAM	1	0	21.46	21.57	21.49	22.5	2
20	64QAM	1	49	21.38	21.55	21.54		
20	64QAM	1	99	21.35	21.52	21.49		
20	64QAM	50	0	20.20	20.35	20.30	21.5	3
20	64QAM	50	24	20.24	20.37	20.36		
20	64QAM	50	50	20.16	20.32	20.23		
20	64QAM	100	0	20.28	20.45	20.42		
20	256QAM	1	0	18.40	18.56	18.54	19.5	5
20	256QAM	1	49	18.36	18.49	18.46		
20	256QAM	1	99	18.35	18.52	18.49		
20	256QAM	50	0	18.42	18.52	18.47	19.5	5
20	256QAM	50	24	18.38	18.57	18.52		
20	256QAM	50	50	18.39	18.52	18.45		
20	256QAM	100	0	18.43	18.59	18.54		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.50	23.60	23.61	24.5	0
15	QPSK	1	37	23.30	23.49	23.54		
15	QPSK	1	74	23.34	23.47	23.47		
15	QPSK	36	0	22.34	22.54	22.48	23.5	1
15	QPSK	36	20	22.24	22.41	22.39		
15	QPSK	36	39	22.27	22.35	22.25		
15	QPSK	75	0	22.21	22.35	22.40		
15	16QAM	1	0	22.30	22.32	22.38	23.5	1
15	16QAM	1	37	22.10	22.31	22.33		
15	16QAM	1	74	22.25	22.35	22.31		
15	16QAM	36	0	21.25	21.35	21.37	22.5	2
15	16QAM	36	20	21.19	21.39	21.28		
15	16QAM	36	39	21.19	21.36	21.24		
15	16QAM	75	0	21.22	21.36	21.40		
15	64QAM	1	0	21.47	21.51	21.44	22.5	2
15	64QAM	1	37	21.37	21.49	21.51		
15	64QAM	1	74	21.27	21.52	21.52		
15	64QAM	36	0	20.18	20.32	20.31	21.5	3
15	64QAM	36	20	20.23	20.37	20.37		
15	64QAM	36	39	20.16	20.28	20.18		
15	64QAM	75	0	20.28	20.41	20.38		
15	256QAM	1	0	18.33	18.52	18.55	19.5	5
15	256QAM	1	37	18.36	18.40	18.39		
15	256QAM	1	74	18.32	18.46	18.51		
15	256QAM	36	0	18.44	18.47	18.47	19.5	5
15	256QAM	36	20	18.40	18.59	18.54		
15	256QAM	36	39	18.40	18.49	18.37		
15	256QAM	75	0	18.35	18.51	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.47	23.64	23.54	24.5	0
10	QPSK	1	25	23.30	23.54	23.50		
10	QPSK	1	49	23.31	23.55	23.43		
10	QPSK	25	0	22.30	22.43	22.39	23.5	1
10	QPSK	25	12	22.30	22.45	22.39		
10	QPSK	25	25	22.19	22.34	22.27		
10	QPSK	50	0	22.23	22.41	22.35		
10	16QAM	1	0	22.24	22.30	22.40	23.5	1
10	16QAM	1	25	22.09	22.30	22.31		
10	16QAM	1	49	22.27	22.33	22.31		
10	16QAM	25	0	21.28	21.42	21.28	22.5	2
10	16QAM	25	12	21.26	21.39	21.24		
10	16QAM	25	25	21.21	21.36	21.21		
10	16QAM	50	0	21.18	21.40	21.37		
10	64QAM	1	0	21.37	21.58	21.44	22.5	2
10	64QAM	1	25	21.34	21.48	21.56		
10	64QAM	1	49	21.30	21.44	21.42		
10	64QAM	25	0	20.12	20.30	20.33	21.5	3
10	64QAM	25	12	20.27	20.29	20.38		
10	64QAM	25	25	20.13	20.34	20.22		
10	64QAM	50	0	20.28	20.47	20.39		
10	256QAM	1	0	18.33	18.55	18.45	19.5	5
10	256QAM	1	25	18.37	18.49	18.37		
10	256QAM	1	49	18.29	18.48	18.49		
10	256QAM	25	0	18.44	18.44	18.48	19.5	5
10	256QAM	25	12	18.36	18.53	18.51		
10	256QAM	25	25	18.38	18.47	18.42		
10	256QAM	50	0	18.35	18.62	18.51		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.52	23.62	23.56	24.5	0
5	QPSK	1	12	23.28	23.55	23.57		
5	QPSK	1	24	23.27	23.45	23.38		
5	QPSK	12	0	22.36	22.45	22.38	23.5	1
5	QPSK	12	7	22.26	22.46	22.37		
5	QPSK	12	13	22.25	22.36	22.26		
5	QPSK	25	0	22.29	22.39	22.44		
5	16QAM	1	0	22.25	22.36	22.41	23.5	1
5	16QAM	1	12	22.16	22.34	22.29		
5	16QAM	1	24	22.25	22.38	22.26		
5	16QAM	12	0	21.22	21.42	21.35	22.5	2
5	16QAM	12	7	21.20	21.41	21.33		
5	16QAM	12	13	21.21	21.41	21.27		
5	16QAM	25	0	21.19	21.39	21.35		
5	64QAM	1	0	21.39	21.60	21.45	22.5	2
5	64QAM	1	12	21.40	21.49	21.54		
5	64QAM	1	24	21.37	21.50	21.49		
5	64QAM	12	0	20.16	20.30	20.28	21.5	3
5	64QAM	12	7	20.17	20.37	20.29		
5	64QAM	12	13	20.08	20.26	20.22		
5	64QAM	25	0	20.28	20.44	20.38		
5	256QAM	1	0	18.34	18.49	18.52	19.5	5
5	256QAM	1	12	18.31	18.45	18.46		
5	256QAM	1	24	18.32	18.49	18.48		
5	256QAM	12	0	18.42	18.46	18.43	19.5	5
5	256QAM	12	7	18.36	18.52	18.46		
5	256QAM	12	13	18.35	18.52	18.38		
5	256QAM	25	0	18.41	18.53	18.53		

Band 7 Ant3 DSI1 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.66	23.67	23.65	24.5	0
20	QPSK	1	49	23.50	23.51	23.53		
20	QPSK	1	99	23.56	23.55	23.50		
20	QPSK	50	0	22.57	22.65	22.62	23.5	1
20	QPSK	50	24	22.56	22.61	22.61		
20	QPSK	50	50	22.58	22.57	22.54		
20	QPSK	100	0	22.54	22.63	22.60		
20	16QAM	1	0	22.69	22.64	22.63	23.5	1
20	16QAM	1	49	22.51	22.46	22.59		
20	16QAM	1	99	22.53	22.51	22.47		
20	16QAM	50	0	21.58	21.62	21.60	22.5	2
20	16QAM	50	24	21.52	21.55	21.55		
20	16QAM	50	50	21.55	21.61	21.51		
20	16QAM	100	0	21.50	21.66	21.59		
20	64QAM	1	0	21.71	21.62	21.57	22.5	2
20	64QAM	1	49	21.55	21.41	21.57		
20	64QAM	1	99	21.54	21.49	21.42		
20	64QAM	50	0	20.58	20.70	20.58	21.5	3
20	64QAM	50	24	20.58	20.62	20.63		
20	64QAM	50	50	20.62	20.52	20.57		
20	64QAM	100	0	20.52	20.65	20.58		
20	256QAM	1	0	18.55	18.66	18.62	19.5	5
20	256QAM	1	49	18.58	18.63	18.60		
20	256QAM	1	99	18.52	18.56	18.55		
20	256QAM	50	0	18.57	18.62	18.55	19.5	5
20	256QAM	50	24	18.66	18.60	18.66		
20	256QAM	50	50	18.51	18.47	18.59		
20	256QAM	100	0	18.48	18.53	18.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.66	23.65	23.61	24.5	0
15	QPSK	1	37	23.53	23.44	23.54		
15	QPSK	1	74	23.47	23.52	23.42		
15	QPSK	36	0	22.51	22.61	22.59	23.5	1
15	QPSK	36	20	22.51	22.53	22.53		
15	QPSK	36	39	22.56	22.51	22.53		
15	QPSK	75	0	22.55	22.61	22.55		
15	16QAM	1	0	22.69	22.57	22.66	23.5	1
15	16QAM	1	37	22.43	22.39	22.58		
15	16QAM	1	74	22.55	22.52	22.41		
15	16QAM	36	0	21.57	21.64	21.60	22.5	2
15	16QAM	36	20	21.51	21.58	21.56		
15	16QAM	36	39	21.49	21.55	21.50		
15	16QAM	75	0	21.49	21.65	21.51		
15	64QAM	1	0	21.72	21.58	21.56	22.5	2
15	64QAM	1	37	21.51	21.42	21.58		
15	64QAM	1	74	21.52	21.41	21.35		
15	64QAM	36	0	20.53	20.62	20.52	21.5	3
15	64QAM	36	20	20.51	20.56	20.54		
15	64QAM	36	39	20.62	20.44	20.54		
15	64QAM	75	0	20.52	20.66	20.53		
15	256QAM	1	0	18.51	18.64	18.61	19.5	5
15	256QAM	1	37	18.50	18.59	18.54		
15	256QAM	1	74	18.46	18.48	18.51		
15	256QAM	36	0	18.54	18.61	18.51	19.5	5
15	256QAM	36	20	18.59	18.63	18.65		
15	256QAM	36	39	18.43	18.39	18.56		
15	256QAM	75	0	18.42	18.55	18.46		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.62	23.64	23.59	24.5	0
10	QPSK	1	25	23.51	23.49	23.50		
10	QPSK	1	49	23.58	23.54	23.49		
10	QPSK	25	0	22.58	22.67	22.57	23.5	1
10	QPSK	25	12	22.50	22.63	22.53		
10	QPSK	25	25	22.54	22.56	22.55		
10	QPSK	50	0	22.49	22.54	22.60		
10	16QAM	1	0	22.62	22.65	22.66	23.5	1
10	16QAM	1	25	22.48	22.37	22.50		
10	16QAM	1	49	22.51	22.51	22.45		
10	16QAM	25	0	21.58	21

Band 38 Ant3 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.43	24.58	24.47	25	0
20	QPSK	1	49	24.46	24.55	24.47		
20	QPSK	1	99	23.96	24.08	23.96		
20	QPSK	50	0	23.34	23.43	23.33	24	1
20	QPSK	50	24	23.32	23.40	23.26		
20	QPSK	50	50	23.26	23.35	23.27		
20	QPSK	100	0	23.31	23.41	23.32		
20	16QAM	1	0	23.20	23.26	23.17	24	1
20	16QAM	1	49	23.19	23.27	23.15		
20	16QAM	1	99	23.14	23.20	23.10		
20	16QAM	50	0	22.25	22.41	22.33	23	2
20	16QAM	50	24	22.25	22.40	22.29		
20	16QAM	50	50	22.38	22.42	22.31		
20	16QAM	100	0	22.31	22.44	22.35		
20	64QAM	1	0	22.38	22.52	22.42	23	2
20	64QAM	1	49	22.38	22.48	22.41		
20	64QAM	1	99	22.34	22.46	22.41		
20	64QAM	50	0	21.32	21.41	21.26	22	3
20	64QAM	50	24	21.28	21.36	21.21		
20	64QAM	50	50	21.26	21.35	21.26		
20	64QAM	100	0	21.40	21.48	21.35		
20	256QAM	1	0	19.24	19.39	19.33	20	5
20	256QAM	1	49	19.25	19.38	19.23		
20	256QAM	1	99	19.31	19.38	19.25		
20	256QAM	50	0	19.29	19.42	19.27	20	5
20	256QAM	50	24	19.24	19.38	19.24		
20	256QAM	50	50	19.34	19.41	19.35		
20	256QAM	100	0	19.40	19.46	19.31		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.34	24.53	24.47	25	0
15	QPSK	1	37	24.45	24.51	24.39		
15	QPSK	1	74	23.95	24.00	23.88		
15	QPSK	36	0	23.31	23.36	23.29	24	1
15	QPSK	36	20	23.26	23.32	23.27		
15	QPSK	36	39	23.25	23.26	23.27		
15	QPSK	75	0	23.26	23.43	23.34		
15	16QAM	1	0	23.17	23.19	23.09	24	1
15	16QAM	1	37	23.16	23.30	23.11		
15	16QAM	1	74	23.09	23.11	23.07		
15	16QAM	36	0	22.20	22.38	22.34	23	2
15	16QAM	36	20	22.23	22.40	22.24		
15	16QAM	36	39	22.29	22.41	22.29		
15	16QAM	75	0	22.32	22.41	22.32		
15	64QAM	1	0	22.36	22.51	22.45	23	2
15	64QAM	1	37	22.39	22.48	22.44		
15	64QAM	1	74	22.34	22.40	22.39		
15	64QAM	36	0	21.32	21.40	21.25	22	3
15	64QAM	36	20	21.19	21.36	21.12		
15	64QAM	36	39	21.28	21.32	21.18		
15	64QAM	75	0	21.37	21.41	21.37		
15	256QAM	1	0	19.24	19.36	19.27	20	5
15	256QAM	1	37	19.27	19.35	19.21		
15	256QAM	1	74	19.29	19.36	19.24		
15	256QAM	36	0	19.29	19.42	19.20	20	5
15	256QAM	36	20	19.16	19.39	19.26		
15	256QAM	36	39	19.29	19.36	19.30		
15	256QAM	75	0	19.32	19.48	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.43	24.52	24.38	25	0
10	QPSK	1	25	24.38	24.47	24.44		
10	QPSK	1	49	23.97	23.99	23.96		
10	QPSK	25	0	23.25	23.39	23.27	24	1
10	QPSK	25	12	23.28	23.39	23.29		
10	QPSK	25	25	23.25	23.35	23.26		
10	QPSK	50	0	23.29	23.39	23.26		
10	16QAM	1	0	23.11	23.24	23.09	24	1
10	16QAM	1	25	23.20	23.20	23.10		
10	16QAM	1	49	23.17	23.14	23.02		
10	16QAM	25	0	22.25	22.41	22.35	23	2
10	16QAM	25	12	22.26	22.33	22.24		
10	16QAM	25	25	22.32	22.41	22.23		
10	16QAM	50	0	22.34	22.37	22.37		
10	64QAM	1	0	22.34	22.51	22.39	23	2
10	64QAM	1	25	22.34	22.44	22.40		
10	64QAM	1	49	22.35	22.41	22.38		
10	64QAM	25	0	21.24	21.39	21.17	22	3
10	64QAM	25	12	21.25	21.31	21.21		
10	64QAM	25	25	21.25	21.35	21.25		
10	64QAM	50	0	21.42	21.44	21.27		
10	256QAM	1	0	19.23	19.42	19.35	20	5
10	256QAM	1	25	19.27	19.38	19.25		
10	256QAM	1	49	19.32	19.35	19.16		
10	256QAM	25	0	19.24	19.42	19.24	20	5
10	256QAM	25	12	19.26	19.41	19.26		
10	256QAM	25	25	19.26	19.34	19.36		
10	256QAM	50	0	19.41	19.46	19.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.37	24.54	24.49	25	0
5	QPSK	1	12	24.39	24.48	24.42		
5	QPSK	1	24	23.97	24.09	23.89		
5	QPSK	12	0	23.27	23.42	23.34	24	1
5	QPSK	12	7	23.35	23.36	23.20		
5	QPSK	12	13	23.22	23.30	23.28		
5	QPSK	25	0	23.22	23.41	23.30		
5	16QAM	1	0	23.22	23.25	23.15	24	1
5	16QAM	1	12	23.14	23.29	23.15		
5	16QAM	1	24	23.17	23.23	23.06		
5	16QAM	12	0	22.21	22.41	22.33	23	2
5	16QAM	12	7	22.18	22.36	22.23		
5	16QAM	12	13	22.36	22.35	22.24		
5	16QAM	25	0	22.29	22.41	22.35		
5	64QAM	1	0	22.30	22.53	22.35	23	2
5	64QAM	1	12	22.39	22.42	22.37		
5	64QAM	1	24	22.28	22.43	22.36		
5	64QAM	12	0	21.24	21.44	21.22	22	3
5	64QAM	12	7	21.31	21.30	21.21		
5	64QAM	12	13	21.22	21.28	21.24		
5	64QAM	25	0	21.36	21.42	21.37		
5	256QAM	1	0	19.21	19.36	19.27	20	5
5	256QAM	1	12	19.22	19.36	19.23		
5	256QAM	1	24	19.27	19.32	19.19		
5	256QAM	12	0	19.20	19.38	19.21	20	5
5	256QAM	12	7	19.22	19.40	19.20		
5	256QAM	12	13	19.30	19.34	19.29		
5	256QAM	25	0	19.38	19.44	19.22		

Band 41 Ant3 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.17	24.15	24.55	24.15	24.34	25	0
20	QPSK	1	49	24.11	24.16	24.42	24.09	24.30		
20	QPSK	1	99	24.13	24.15	24.50	24.12	24.32		
20	QPSK	50	0	23.17	23.20	23.51	23.18	23.38	24	1
20	QPSK	50	24	23.07	23.13	23.41	23.09	23.28		
20	QPSK	50	50	23.14	23.14	23.46	23.10	23.37		
20	QPSK	100	0	23.21	23.19	23.54	23.11	23.39		
20	16QAM	1	0	23.13	23.11	23.43	23.14	23.30	24	1
20	16QAM	1	49	23.12	23.14	23.38	23.15	23.26		
20	16QAM	1	99	23.17	23.10	23.49	23.13	23.35		
20	16QAM	50	0	22.22	22.23	22.51	22.19	22.35	23	2
20	16QAM	50	24	22.09	22.12	22.43	22.10	22.23		
20	16QAM	50	50	22.15	22.15	22.44	22.13	22.37		
20	16QAM	100	0	22.24	22.16	22.55	22.06	22.33		
20	64QAM	1	0	22.18	22.11	22.40	22.08	22.33	23	2
20	64QAM	1	49	22.09	22.09	22.34	22.11	22.20		
20	64QAM	1	99	22.17	22.13	22.51	22.07	22.33		
20	64QAM	50	0	21.20	21.24	21.52	21.20	21.35	22	3
20	64QAM	50	24	21.02	21.11	21.42	21.14	21.25		
20	64QAM	50	50	21.11	21.10	21.42	21.07	21.36		
20	64QAM	100	0	21.25	21.19	21.54	21.12	21.37		
20	256QAM	1	0	19.22	19.19	19.47	19.22	19.36	20	5
20	256QAM	1	49	19.04	19.16	19.41	19.13	19.24		
20	256QAM	1	99	19.16	19.14	19.49	19.11	19.36		
20	256QAM	50	0	19.18	19.21	19.59	19.07	19.37	20	5
20	256QAM	50	24	19.16	19.11	19.47	19.19	19.26		
20	256QAM	50	50	19.17	19.11	19.40	19.16	19.30		
20	256QAM	100	0	19.13	19.15	19.54	19.11	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.14	24.09	24.47	24.15	24.33	25	0
15	QPSK	1	37	24.12	24.11	24.33	24.10	24.33		
15	QPSK	1	74	24.13	24.13	24.51	24.03	24.32		
15	QPSK	36	0	23.12	23.20	23.49	23.14	23.39	24	1
15	QPSK	36	20	23.03	23.09	23.36	23.09	23.27		
15	QPSK	36	39	23.14	23.14	23.46	23.12	23.34		
15	QPSK	75	0	23.17	23.12	23.55	23.13	23.34		
15	16QAM	1	0	23.13	23.13	23.44	23.06	23.24	24	1
15	16QAM	1	37	23.06	23.10	23.37	23.16	23.25		
15	16QAM	1	74	23.16	23.01	23.51	23.11	23.32		
15	16QAM	36	0	22.20	22.20	22.54	22.14	22.31	23	2
15	16QAM	36	20	22.11	22.08	22.39	22.02	22.22		
15	16QAM	36	39	22.08	22.12	22.44	22.05	22.32		
15	16QAM	75	0	22.20	22.07	22.47	22.04	22.34		
15	64QAM	1	0	22.09	22.08	22.33	22.03	22.31	23	2
15	64QAM	1	37	22.04	22.11	22.33	22.06	22.20		
15	64QAM	1	74	22.17	22.07	22.45	22.00	22.27		
15	64QAM	36	0	21.14	21.19	21.45	21.15	21.28	22	3
15	64QAM	36	20	20.98	21.14	21.37	21.06	21.18		
15	64QAM	36	39	21.06	21.13	21.42	21.09	21.27		
15	64QAM	75	0	21.27	21.14	21.49	21.11	21.37		
15	256QAM	1	0	19.25	19.15	19.43	19.14	19.29	20	5
15	256QAM	1	37	18.97	19.07	19.40	19.15	19.16		
15	256QAM	1	74	19.14	19.06	19.49	19.12	19.34		
15	256QAM	36	0	19.10	19.17	19.53	19.00	19.35	20	5
15	256QAM	36	20	19.17	19.03	19.41	19.11	19.22		
15	256QAM	36	39	19.11	19.05	19.32	19.13	19.28		
15	256QAM	75	0	19.12	19.17	19.56	19.03	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.13	24.13	24.49	24.08	24.30	25	0
10	QPSK	1	25	24.09	24.10	24.45	24.10	24.26		
10	QPSK	1	49	24.13	24.18	24.52	24.07	24.29		
10	QPSK	25	0	23.15	23.15	23.54	23.13	23.30	24	1
10	QPSK	25	12	23.00	23.15	23.36	23.10	23.26		
10	QPSK	25	25	23.13	23.10	23.45	23.01	23.39		
10	QPSK	50	0	23.20	23.16	23.49	23.05	23.37		
10	16QAM	1	0	23.13	23.10	23.43	23.13	23.21	24	1
10	16QAM	1	25	23.12	23.15	23.31	23.09	23.19		
10	16QAM	1	49	23.19	23.09	23.52	23.06	23.28		
10	16QAM	25	0	22.21	22.20	22.52	22.13	22.27	23	2
10	16QAM	25	12	22.09	22.12	22.40	22.08	22.24		
10	16QAM	25	25	22.17	22.16	22.37	22.05	22.37		
10	16QAM	50	0	22.26	22.09	22.50	22.04	22.28		
10	64QAM	1	0	22.10	22.07	22.43	22.07	22.32	23	2
10	64QAM	1	25	22.03	22.01	22.31	22.08	22.21		
10	64QAM	1	49	22.10	22.14	22.43	22.03	22.27		
10	64QAM	25	0	21.13	21.23	21.50	21.12	21.35	22	3
10	64QAM	25	12	21.03	21.03	21.37	21.15	21.26		
10	64QAM	25	25	21.10	21.11	21.39	21.07	21.36		
10	64QAM	50	0	21.18	21.21	21.54	21.12	21.36		
10	256QAM	1	0	19.14	19.12	19.39	19.15	19.28	20	5
10	256QAM	1	25	19.06	19.15	19.44	19.06	19.22		
10	256QAM	1	49	19.13	19.13	19.46	19.02	19.37		
10	256QAM	25	0	19.17	19.23	19.58	19.03	19.34	20	5
10	256QAM	25	12	19.11	19.04	19.42	19.21	19.26		
10	256QAM	25	25	19.17	19.13	19.39	19.16	19.27		
10	256QAM	50	0	19.10	19.11	19.45	19.06	19.33		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.10	24.15	24.40	24.09	24.30	25	0
5	QPSK	1	12	24.09	24.16	24.36	24.01	24.32		
5	QPSK	1	24	24.07	24.14	24.42	24.09	24.23		
5	QPSK	12	0	23.12	23.12	23.44	23.14	23.32	24	1
5	QPSK	12	7	23.04	23.07	23.37	23.06	23.23		
5	QPSK	12	13	23.08	23.17	23.38	23.03	23.38		
5	QPSK	25	0	23.20	23.16	23.55	23.06	23.35		
5	16QAM	1	0	23.10	23.06	23.41	23.09	23.30	24	1
5	16QAM	1	12	23.06	23.06	23.37	23.07	23.25		
5	16QAM	1	24	23.09	23.11	23.52	23.10	23.32		
5	16QAM	12	0	22.20	22.24	22.44	22.16	22.34	23	2
5	16QAM	12	7	22.02	22.10	22.43	22.12	22.26		
5	16QAM	12	13	22.12	22.06	22.38	22.09	22.38		
5	16QAM	25	0	22.18	22.19	22.46	22.01	22.34		
5	64QAM	1	0	22.14	22.08	22.34	22.04	22.27	23	2
5	64QAM	1	12	22.09	22.04	22.34	22.12	22.16		
5	64QAM	1	24	22.09	22.04	22.43	22.03	22.24		
5	64QAM	12	0	21.15	21.27	21.51	21.15	21.37	22	3
5	64QAM	12	7	20.94	21.13	21.44	21.09	21.18		
5	64QAM	12	13	21.08	21.13	21.41	21.01	21.36		
5	64QAM	25	0	21.20	21.18	21.47	21.04	21.36		
5	256QAM	1	0	19.16	19.14	19.46	19.21	19.37	20	5
5	256QAM	1	12	19.00	19.16	19.33	19.10	19.15		
5	256QAM	1	24	19.19	19.11	19.46	19.11	19.29		
5	256QAM	12	0	19.17	19.22	19.51	19.08	19.37	20	5
5	256QAM	12	7	19.19	19.09	19.42	19.22	19.27		
5	256QAM	12	13	19.12	19.06	19.43	19.09	19.28		
5	256QAM	25	0	19.08	19.15	19.49	19.09	19.26		

Band 7 Ant4 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.49	19.58	19.48	20.5	0
20	QPSK	1	49	19.33	19.44	19.35		
20	QPSK	1	99	19.30	19.38	19.27		
20	QPSK	50	0	19.27	19.40	19.19	20.5	0
20	QPSK	50	24	19.32	19.33	19.25		
20	QPSK	50	50	19.26	19.26	19.11		
20	QPSK	100	0	19.21	19.32	19.21		
20	16QAM	1	0	19.19	19.29	19.16	20.5	0
20	16QAM	1	49	19.07	19.22	18.97		
20	16QAM	1	99	19.03	19.16	19.01		
20	16QAM	50	0	19.15	19.29	19.22	20.5	0
20	16QAM	50	24	19.18	19.18	19.06		
20	16QAM	50	50	19.18	19.29	19.16		
20	16QAM	100	0	19.13	19.22	19.05		
20	64QAM	1	0	19.28	19.43	19.33	20.5	0
20	64QAM	1	49	19.33	19.44	19.37		
20	64QAM	1	99	19.27	19.41	19.26		
20	64QAM	50	0	19.23	19.32	19.16	20.5	0
20	64QAM	50	24	19.11	19.14	19.09		
20	64QAM	50	50	19.11	19.17	19.06		
20	64QAM	100	0	19.31	19.34	19.23		
20	256QAM	1	0	19.29	19.42	19.32	20.5	0
20	256QAM	1	49	19.27	19.36	19.23		
20	256QAM	1	99	19.32	19.38	19.26		
20	256QAM	50	0	19.43	19.49	19.32	20.5	0
20	256QAM	50	24	19.33	19.48	19.33		
20	256QAM	50	50	19.31	19.42	19.27		
20	256QAM	100	0	19.36	19.45	19.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.20	19.30	19.15	20.5	0
15	QPSK	1	37	19.08	19.12	19.07		
15	QPSK	1	74	19.03	19.11	18.94		
15	QPSK	36	0	18.94	19.13	18.93	20.5	0
15	QPSK	36	20	19.01	19.05	18.93		
15	QPSK	36	39	18.94	18.99	18.80		
15	QPSK	75	0	18.95	19.07	18.89		
15	16QAM	1	0	18.93	18.97	18.92	20.5	0
15	16QAM	1	37	18.74	18.87	18.64		
15	16QAM	1	74	18.75	18.83	18.71		
15	16QAM	36	0	18.90	18.95	18.97	20.5	0
15	16QAM	36	20	18.84	18.85	18.74		
15	16QAM	36	39	18.83	19.01	18.91		
15	16QAM	75	0	18.85	18.94	18.70		
15	64QAM	1	0	19.02	19.08	19.05	20.5	0
15	64QAM	1	37	19.06	19.13	19.01		
15	64QAM	1	74	18.97	19.13	18.95		
15	64QAM	36	0	18.89	18.97	18.84	20.5	0
15	64QAM	36	20	18.83	18.88	18.82		
15	64QAM	36	39	18.79	18.89	18.77		
15	64QAM	75	0	19.04	19.03	18.93		
15	256QAM	1	0	19.25	19.37	19.29	20.5	0
15	256QAM	1	37	19.28	19.34	19.21		
15	256QAM	1	74	19.33	19.33	19.28		
15	256QAM	36	0	19.37	19.46	19.29	20.5	0
15	256QAM	36	20	19.29	19.39	19.25		
15	256QAM	36	39	19.27	19.36	19.23		
15	256QAM	75	0	19.30	19.42	19.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.23	19.33	19.19	20.5	0
10	QPSK	1	25	19.09	19.14	19.03		
10	QPSK	1	49	19.02	19.13	18.98		
10	QPSK	25	0	18.91	19.13	18.94	20.5	0
10	QPSK	25	12	19.08	18.98	18.93		
10	QPSK	25	25	19.01	18.96	18.87		
10	QPSK	50	0	18.90	19.01	18.92		
10	16QAM	1	0	18.92	19.02	18.90	20.5	0
10	16QAM	1	25	18.81	18.87	18.63		
10	16QAM	1	49	18.76	18.89	18.69		
10	16QAM	25	0	18.90	18.94	18.86	20.5	0
10	16QAM	25	12	18.93	18.88	18.75		
10	16QAM	25	25	18.88	19.04	18.83		
10	16QAM	50	0	18.81	18.92	18.71		
10	64QAM	1	0	18.94	19.08	19.06	20.5	0
10	64QAM	1	25	19.01	19.16	19.06		
10	64QAM	1	49	18.94	19.08	18.92		
10	64QAM	25	0	18.93	18.98	18.81	20.5	0
10	64QAM	25	12	18.83	18.88	18.82		
10	64QAM	25	25	18.79	18.83	18.80		
10	64QAM	50	0	19.00	19.07	18.96		
10	256QAM	1	0	19.23	19.37	19.31	20.5	0
10	256QAM	1	25	19.23	19.36	19.17		
10	256QAM	1	49	19.31	19.37	19.19		
10	256QAM	25	0	19.35	19.47	19.30	20.5	0
10	256QAM	25	12	19.31	19.40	19.28		
10	256QAM	25	25	19.31	19.40	19.20		
10	256QAM	50	0	19.35	19.42	19.29		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.18	19.27	19.19	20.5	0
5	QPSK	1	12	19.00	19.11	19.04		
5	QPSK	1	24	18.96	19.08	18.98		
5	QPSK	12	0	19.02	19.14	18.90	20.5	0
5	QPSK	12	7	19.03	19.06	19.00		
5	QPSK	12	13	19.00	18.98	18.78		
5	QPSK	25	0	18.88	19.01	18.97		
5	16QAM	1	0	18.88	18.99	18.89	20.5	0
5	16QAM	1	12	18.75	18.92	18.67		
5	16QAM	1	24	18.74	18.90	18.77		
5	16QAM	12	0	18.79	19.04	18.94	20.5	0
5	16QAM	12	7	18.89	18.84	18.76		
5	16QAM	12	13	18.90	18.99	18.84		
5	16QAM	25	0	18.89	18.94	18.78		
5	64QAM	1	0	18.98	19.14	18.98	20.5	0
5	64QAM	1	12	19.06	19.12	19.09		
5	64QAM	1	24	19.02	19.17	18.93		
5	64QAM	12	0	18.93	18.97	18.83	20.5	0
5	64QAM	12	7	18.82	18.84	18.83		
5	64QAM	12	13	18.78	18.82	18.78		
5	64QAM	25	0	19.03	19.04	18.88		
5	256QAM	1	0	19.21	19.41	19.29	20.5	0
5	256QAM	1	12	19.30	19.36	19.26		
5	256QAM	1	24	19.29	19.30	19.25		
5	256QAM	12	0	19.40	19.49	19.29	20.5	0
5	256QAM	12	7	19.31	19.42	19.35		
5	256QAM	12	13	19.26	19.38	19.20		
5	256QAM	25	0	19.28	19.41	19.24		

Band 7 Ant4 DSI1 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.39	19.52	19.22	20.5	0
20	QPSK	1	49	19.24	19.39	19.22		
20	QPSK	1	99	19.32	19.38	19.29		
20	QPSK	50	0	19.28	19.35	19.17	20.5	0
20	QPSK	50	24	19.26	19.28	19.00		
20	QPSK	50	50	19.15	19.26	18.94		
20	QPSK	100	0	19.29	19.40	19.06		
20	16QAM	1	0	19.32	19.28	19.10	20.5	0
20	16QAM	1	49	19.28	19.21	18.99		
20	16QAM	1	99	19.14	19.21	19.12		
20	16QAM	50	0	19.35	19.47	19.17	20.5	0
20	16QAM	50	24	19.24	19.39	18.99		
20	16QAM	50	50	19.15	19.12	19.00		
20	16QAM	100	0	19.26	19.39	19.06		
20	64QAM	1	0	19.34	19.36	19.00	20.5	0
20	64QAM	1	49	19.31	19.14	18.97		
20	64QAM	1	99	19.08	19.28	19.17		
20	64QAM	50	0	19.32	19.36	19.15	20.5	0
20	64QAM	50	24	19.24	19.34	18.97		
20	64QAM	50	50	19.23	19.27	19.03		
20	64QAM	100	0	19.25	19.35	19.10		
20	256QAM	1	0	19.31	19.43	19.09	20.5	0
20	256QAM	1	49	19.17	19.38	18.98		
20	256QAM	1	99	19.19	19.26	18.96		
20	256QAM	50	0	19.36	19.36	19.09	20.5	0
20	256QAM	50	24	19.26	19.31	19.10		
20	256QAM	50	50	19.22	19.24	19.02		
20	256QAM	100	0	19.18	19.24	19.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.32	19.49	19.18	20.5	0
15	QPSK	1	37	19.18	19.37	19.18		
15	QPSK	1	74	19.29	19.39	19.24		
15	QPSK	36	0	19.25	19.33	19.10	20.5	0
15	QPSK	36	20	19.23	19.30	18.93		
15	QPSK	36	39	19.14	19.28	18.86		
15	QPSK	75	0	19.24	19.36	19.07		
15	16QAM	1	0	19.35	19.31	19.02	20.5	0
15	16QAM	1	37	19.27	19.21	18.92		
15	16QAM	1	74	19.13	19.16	19.04		
15	16QAM	36	0	19.38	19.39	19.18	20.5	0
15	16QAM	36	20	19.24	19.31	19.00		
15	16QAM	36	39	19.10	19.12	18.99		
15	16QAM	75	0	19.24	19.33	19.08		
15	64QAM	1	0	19.33	19.38	18.96	20.5	0
15	64QAM	1	37	19.29	19.13	18.97		
15	64QAM	1	74	19.08	19.20	19.19		
15	64QAM	36	0	19.27	19.31	19.09	20.5	0
15	64QAM	36	20	19.18	19.33	18.96		
15	64QAM	36	39	19.15	19.27	19.04		
15	64QAM	75	0	19.25	19.29	19.03		
15	256QAM	1	0	19.28	19.42	19.06	20.5	0
15	256QAM	1	37	19.12	19.34	18.95		
15	256QAM	1	74	19.20	19.25	18.87		
15	256QAM	36	0	19.36	19.32	19.02	20.5	0
15	256QAM	36	20	19.19	19.26	19.07		
15	256QAM	36	39	19.16	19.25	18.99		
15	256QAM	75	0	19.11	19.25	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.37	19.48	19.21	20.5	0
10	QPSK	1	25	19.18	19.39	19.22		
10	QPSK	1	49	19.27	19.41	19.22		
10	QPSK	25	0	19.27	19.32	19.16	20.5	0
10	QPSK	25	12	19.25	19.20	18.93		
10	QPSK	25	25	19.10	19.28	18.90		
10	QPSK	50	0	19.27	19.41	19.01		
10	16QAM	1	0	19.30	19.30	19.05	20.5	0
10	16QAM	1	25	19.24	19.18	18.93		
10	16QAM	1	49	19.09	19.18	19.08		
10	16QAM	25	0	19.29	19.47	19.16	20.5	0
10	16QAM	25	12	19.25	19.41	18.90		
10	16QAM	25	25	19.08	19.14	18.96		
10	16QAM	50	0	19.22	19.35	18.99		
10	64QAM	1	0	19.25	19.37	18.99	20.5	0
10	64QAM	1	25	19.22	19.13	18.91		
10	64QAM	1	49	19.02	19.29	19.16		
10	64QAM	25	0	19.34	19.35	19.08	20.5	0
10	64QAM	25	12	19.22	19.29	18.93		
10	64QAM	25	25	19.22	19.20	18.95		
10	64QAM	50	0	19.18	19.34	19.02		
10	256QAM	1	0	19.34	19.35	19.02	20.5	0
10	256QAM	1	25	19.12	19.33	18.89		
10	256QAM	1	49	19.22	19.20	18.90		
10	256QAM	25	0	19.35	19.34	19.07	20.5	0
10	256QAM	25	12	19.17	19.23	19.06		
10	256QAM	25	25	19.15	19.15	19.04		
10	256QAM	50	0	19.10	19.25	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.35	19.48	19.18	20.5	0
5	QPSK	1	12	19.26	19.33	19.19		
5	QPSK	1	24	19.28	19.40	19.21		
5	QPSK	12	0	19.28	19.33	19.19	20.5	0
5	QPSK	12	7	19.23	19.22	19.01		
5	QPSK	12	13	19.09	19.26	18.89		
5	QPSK	25	0	19.22	19.41	19.07		
5	16QAM	1	0	19.29	19.25	19.10	20.5	0
5	16QAM	1	12	19.21	19.22	18.92		
5	16QAM	1	24	19.08	19.24	19.07		
5	16QAM	12	0	19.36	19.43	19.15	20.5	0
5	16QAM	12	7	19.22	19.40	18.97		
5	16QAM	12	13	19.09	19.13	19.00		
5	16QAM	25	0	19.22	19.32	19.07		
5	64QAM	1	0	19.34	19.29	19.00	20.5	0
5	64QAM	1	12	19.30	19.16	18.99		
5	64QAM	1	24	19.07	19.21	19.10		
5	64QAM	12	0	19.35	19.28	19.08	20.5	0
5	64QAM	12	7	19.16	19.29	18.91		
5	64QAM	12	13	19.21	19.19	18.98		
5	64QAM	25	0	19.28	19.34	19.01		
5	256QAM	1	0	19.30	19.43	19.01	20.5	0
5	256QAM	1	12	19.11	19.29	19.00		
5	256QAM	1	24	19.21	19.28	18.91		
5	256QAM	12	0	19.36	19.39	19.09	20.5	0
5	256QAM	12	7	19.23	19.23	19.03		
5	256QAM	12	13	19.17	19.20	19.04		
5	256QAM	25	0	19.09	19.18	19.06		

Band 38 Ant4 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.13	18.21	17.97	19.5	0
20	QPSK	1	49	18.00	18.06	17.95		
20	QPSK	1	99	17.98	18.01	17.77		
20	QPSK	50	0	17.99	18.14	17.80	19.5	0
20	QPSK	50	24	17.95	17.95	17.63		
20	QPSK	50	50	17.72	17.79	17.60		
20	QPSK	100	0	17.97	18.00	17.66		
20	16QAM	1	0	18.06	18.10	17.88	19.5	0
20	16QAM	1	49	17.93	18.05	17.82		
20	16QAM	1	99	17.98	18.03	17.79		
20	16QAM	50	0	18.08	18.13	17.90	19.5	0
20	16QAM	50	24	18.04	18.12	17.85		
20	16QAM	50	50	18.05	18.05	17.87		
20	16QAM	100	0	18.18	18.20	17.97		
20	64QAM	1	0	18.07	18.13	18.08	19.5	0
20	64QAM	1	49	18.03	18.16	18.11		
20	64QAM	1	99	18.04	18.17	18.00		
20	64QAM	50	0	18.13	18.19	17.89	19.5	0
20	64QAM	50	24	17.98	18.17	17.79		
20	64QAM	50	50	18.09	18.16	17.90		
20	64QAM	100	0	17.00	17.06	16.88		
20	256QAM	1	0	18.10	18.15	17.99	19.5	0
20	256QAM	1	49	18.04	18.11	17.90		
20	256QAM	1	99	18.07	18.19	17.88		
20	256QAM	50	0	18.03	18.18	17.83	19.5	0
20	256QAM	50	24	17.98	18.07	17.77		
20	256QAM	50	50	17.98	18.07	17.79		
20	256QAM	100	0	18.07	18.20	17.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.13	18.17	17.99	19.5	0
15	QPSK	1	37	17.93	18.09	17.91		
15	QPSK	1	74	17.92	18.01	17.74		
15	QPSK	36	0	17.94	18.16	17.76	19.5	0
15	QPSK	36	20	17.93	17.97	17.61		
15	QPSK	36	39	17.70	17.75	17.52		
15	QPSK	75	0	17.90	18.00	17.58		
15	16QAM	1	0	18.02	18.02	17.86	19.5	0
15	16QAM	1	37	17.85	18.07	17.83		
15	16QAM	1	74	17.89	18.03	17.80		
15	16QAM	36	0	18.07	18.08	17.85	19.5	0
15	16QAM	36	20	17.99	18.07	17.82		
15	16QAM	36	39	17.96	17.98	17.88		
15	16QAM	75	0	18.12	18.16	18.00		
15	64QAM	1	0	18.05	18.08	18.00	19.5	0
15	64QAM	1	37	17.98	18.09	18.04		
15	64QAM	1	74	18.03	18.10	18.01		
15	64QAM	36	0	18.14	18.16	17.81	19.5	0
15	64QAM	36	20	17.90	18.18	17.74		
15	64QAM	36	39	18.04	18.08	17.83		
15	64QAM	75	0	17.95	18.01	17.83		
15	256QAM	1	0	18.08	18.19	17.96	19.5	0
15	256QAM	1	37	17.97	18.00	17.89		
15	256QAM	1	74	18.06	18.11	17.89		
15	256QAM	36	0	18.06	18.19	17.86	19.5	0
15	256QAM	36	20	17.98	18.01	17.75		
15	256QAM	36	39	17.89	18.10	17.73		
15	256QAM	75	0	18.02	18.20	17.87		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.04	18.18	17.99	19.5	0
10	QPSK	1	25	17.96	18.00	17.87		
10	QPSK	1	49	17.95	18.03	17.75		
10	QPSK	25	0	17.97	18.08	17.72	19.5	0
10	QPSK	25	12	17.87	17.95	17.63		
10	QPSK	25	25	17.65	17.75	17.55		
10	QPSK	50	0	17.92	18.02	17.62		
10	16QAM	1	0	17.97	18.01	17.83	19.5	0
10	16QAM	1	25	17.85	18.00	17.83		
10	16QAM	1	49	17.97	18.02	17.74		
10	16QAM	25	0	17.99	18.05	17.83	19.5	0
10	16QAM	25	12	17.99	18.14	17.85		
10	16QAM	25	25	17.98	18.05	17.80		
10	16QAM	50	0	18.15	18.18	17.90		
10	64QAM	1	0	18.01	18.06	18.02	19.5	0
10	64QAM	1	25	17.98	18.10	18.10		
10	64QAM	1	49	18.06	18.19	18.01		
10	64QAM	25	0	18.12	18.18	17.89	19.5	0
10	64QAM	25	12	17.93	18.17	17.73		
10	64QAM	25	25	18.04	18.14	17.93		
10	64QAM	50	0	17.93	17.98	17.85		
10	256QAM	1	0	18.03	18.14	17.98	19.5	0
10	256QAM	1	25	18.00	18.12	17.89		
10	256QAM	1	49	17.99	18.16	17.90		
10	256QAM	25	0	18.05	18.16	17.78	19.5	0
10	256QAM	25	12	17.98	18.03	17.79		
10	256QAM	25	25	17.92	18.01	17.82		
10	256QAM	50	0	18.06	18.12	17.88		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.04	18.12	17.97	19.5	0
5	QPSK	1	12	18.03	18.08	17.89		
5	QPSK	1	24	17.98	17.92	17.72		
5	QPSK	12	0	17.95	18.15	17.81	19.5	0
5	QPSK	12	7	17.92	17.94	17.63		
5	QPSK	12	13	17.69	17.73	17.60		
5	QPSK	25	0	17.99	17.94	17.62		
5	16QAM	1	0	17.98	18.04	17.90	19.5	0
5	16QAM	1	12	17.86	18.08	17.73		
5	16QAM	1	24	17.99	17.96	17.81		
5	16QAM	12	0	18.04	18.15	17.87	19.5	0
5	16QAM	12	7	18.00	18.11	17.82		
5	16QAM	12	13	17.99	17.98	17.84		
5	16QAM	25	0	18.11	18.15	17.94		
5	64QAM	1	0	18.05	18.13	18.09	19.5	0
5	64QAM	1	12	17.97	18.08	18.03		
5	64QAM	1	24	18.02	18.12	17.91		
5	64QAM	12	0	18.12	18.14	17.86	19.5	0
5	64QAM	12	7	17.96	18.17	17.71		
5	64QAM	12	13	18.01	18.11	17.91		
5	64QAM	25	0	17.95	17.97	17.88		
5	256QAM	1	0	18.09	18.17	17.94	19.5	0
5	256QAM	1	12	18.04	18.15	17.91		
5	256QAM	1	24	18.07	18.14	17.83		
5	256QAM	12	0	18.04	18.16	17.82	19.5	0
5	256QAM	12	7	17.96	18.09	17.77		
5	256QAM	12	13	17.98	18.08	17.78		
5	256QAM	25	0	18.01	18.14	17.92		

Band 41 Ant4 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.29	18.26	18.65	18.39	17.69	19.5	0
20	QPSK	1	49	18.25	18.25	18.59	18.39	17.51		
20	QPSK	1	99	18.15	18.22	18.60	18.39	17.52		
20	QPSK	50	0	18.35	18.20	18.57	18.46	17.59	19.5	0
20	QPSK	50	24	18.23	18.21	18.55	18.32	17.55		
20	QPSK	50	50	18.18	18.20	18.51	18.39	17.55		
20	QPSK	100	0	18.21	18.23	18.54	18.33	17.57		
20	16QAM	1	0	18.27	18.19	18.61	18.36	17.62	19.5	0
20	16QAM	1	49	18.24	18.25	18.64	18.41	17.59		
20	16QAM	1	99	18.20	18.16	18.54	18.39	17.58		
20	16QAM	50	0	18.25	18.24	18.54	18.42	17.68	19.5	0
20	16QAM	50	24	18.24	18.29	18.56	18.43	17.56		
20	16QAM	50	50	18.13	18.19	18.60	18.32	17.58		
20	16QAM	100	0	18.11	18.28	18.59	18.37	17.55		
20	64QAM	1	0	18.33	18.17	18.60	18.44	17.66	19.5	0
20	64QAM	1	49	18.18	18.23	18.61	18.45	17.52		
20	64QAM	1	99	18.23	18.22	18.64	18.43	17.57		
20	64QAM	50	0	18.33	18.24	18.62	18.42	17.68	19.5	0
20	64QAM	50	24	18.25	18.24	18.63	18.38	17.51		
20	64QAM	50	50	18.23	18.14	18.54	18.46	17.52		
20	64QAM	100	0	18.21	18.29	18.61	18.40	17.59		
20	256QAM	1	0	18.36	18.33	18.53	18.48	17.61	19.5	0
20	256QAM	1	49	18.33	18.15	18.48	18.35	17.55		
20	256QAM	1	99	18.29	18.21	18.53	18.42	17.60		
20	256QAM	50	0	18.14	18.40	18.60	18.38	17.54	19.5	0
20	256QAM	50	24	18.19	18.12	18.43	18.42	17.60		
20	256QAM	50	50	18.30	18.35	18.51	18.47	17.64		
20	256QAM	100	0	18.23	18.14	18.50	18.48	17.63		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.28	18.19	18.60	18.35	17.72	19.5	0
15	QPSK	1	37	18.16	18.24	18.54	18.37	17.57		
15	QPSK	1	74	18.08	18.24	18.61	18.38	17.53		
15	QPSK	36	0	18.35	18.12	18.54	18.47	17.58	19.5	0
15	QPSK	36	20	18.26	18.20	18.58	18.29	17.50		
15	QPSK	36	39	18.21	18.18	18.51	18.42	17.55		
15	QPSK	75	0	18.19	18.21	18.48	18.32	17.59		
15	16QAM	1	0	18.20	18.14	18.57	18.37	17.60	19.5	0
15	16QAM	1	37	18.26	18.24	18.60	18.41	17.56		
15	16QAM	1	74	18.11	18.13	18.53	18.34	17.60		
15	16QAM	36	0	18.27	18.24	18.53	18.38	17.69	19.5	0
15	16QAM	36	20	18.25	18.29	18.53	18.41	17.57		
15	16QAM	36	39	18.15	18.16	18.59	18.31	17.50		
15	16QAM	75	0	18.10	18.25	18.52	18.37	17.52		
15	64QAM	1	0	18.27	18.16	18.54	18.44	17.62	19.5	0
15	64QAM	1	37	18.10	18.25	18.62	18.43	17.51		
15	64QAM	1	74	18.17	18.24	18.62	18.36	17.58		
15	64QAM	36	0	18.27	18.19	18.54	18.43	17.68	19.5	0
15	64QAM	36	20	18.27	18.20	18.61	18.31	17.53		
15	64QAM	36	39	18.15	18.12	18.48	18.43	17.52		
15	64QAM	75	0	18.16	18.26	18.60	18.32	17.53		
15	256QAM	1	0	18.29	18.31	18.60	18.42	17.59	19.5	0
15	256QAM	1	37	18.36	18.10	18.48	18.36	17.58		
15	256QAM	1	74	18.23	18.23	18.54	18.38	17.59		
15	256QAM	36	0	18.13	18.35	18.51	18.30	17.50	19.5	0
15	256QAM	36	20	18.12	18.07	18.36	18.36	17.60		
15	256QAM	36	39	18.24	18.32	18.46	18.43	17.56		
15	256QAM	75	0	18.15	18.09	18.47	18.41	17.63		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.24	18.25	18.60	18.31	17.65	20	0
10	QPSK	1	25	18.18	18.24	18.56	18.39	17.51		
10	QPSK	1	49	18.07	18.24	18.55	18.30	17.54		
10	QPSK	25	0	18.36	18.13	18.50	18.46	17.58	19.5	0
10	QPSK	25	12	18.17	18.16	18.55	18.29	17.53		
10	QPSK	25	25	18.16	18.14	18.53	18.34	17.58		
10	QPSK	50	0	18.17	18.20	18.52	18.28	17.53		
10	16QAM	1	0	18.21	18.20	18.54	18.28	17.64	19.5	0
10	16QAM	1	25	18.17	18.27	18.60	18.35	17.55		
10	16QAM	1	49	18.11	18.17	18.50	18.36	17.56		
10	16QAM	25	0	18.25	18.16	18.51	18.40	17.70	19.5	0
10	16QAM	25	12	18.21	18.26	18.49	18.35	17.57		
10	16QAM	25	25	18.14	18.13	18.59	18.27	17.50		
10	16QAM	50	0	18.12	18.20	18.55	18.39	17.59		
10	64QAM	1	0	18.28	18.09	18.63	18.36	17.58	19.5	0
10	64QAM	1	25	18.18	18.16	18.58	18.45	17.53		
10	64QAM	1	49	18.16	18.13	18.63	18.37	17.59		
10	64QAM	25	0	18.28	18.19	18.61	18.38	17.60	19.5	0
10	64QAM	25	12	18.17	18.20	18.58	18.37	17.51		
10	64QAM	25	25	18.25	18.11	18.45	18.41	17.57		
10	64QAM	50	0	18.15	18.29	18.57	18.32	17.62		
10	256QAM	1	0	18.29	18.27	18.55	18.45	17.56	19.5	0
10	256QAM	1	25	18.28	18.09	18.44	18.33	17.55		
10	256QAM	1	49	18.24	18.24	18.52	18.37	17.63		
10	256QAM	25	0	18.07	18.38	18.57	18.40	17.56	19.5	0
10	256QAM	25	12	18.11	18.06	18.42	18.44	17.57		
10	256QAM	25	25	18.24	18.31	18.50	18.39	17.57		
10	256QAM	50	0	18.16	18.09	18.43	18.41	17.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.30	18.26	18.56	18.37	17.63	20	0
5	QPSK	1	12	18.22	18.20	18.54	18.35	17.56		
5	QPSK	1	24	18.11	18.23	18.59	18.41	17.54		
5	QPSK	12	0	18.26	18.21	18.52	18.38	17.51	19.5	0
5	QPSK	12	7	18.16	18.13	18.57	18.24	17.51		
5	QPSK	12	13	18.15	18.18	18.43	18.39	17.54		
5	QPSK	25	0	18.23	18.16	18.54	18.30	17.53		
5	16QAM	1	0	18.29	18.21	18.58	18.29	17.62	19.5	0
5	16QAM	1	12	18.19	18.24	18.63	18.41	17.56		
5	16QAM	1	24	18.22	18.09	18.56	18.33	17.52		
5	16QAM	12	0	18.17	18.16	18.56	18.40	17.65	19.5	0
5	16QAM	12	7	18.16	18.27	18.54	18.42	17.58		
5	16QAM	12	13	18.11	18.18	18.58	18.25	17.58		
5	16QAM	25	0	18.03	18.30	18.58	18.35	17.53		
5	64QAM	1	0	18.35	18.13	18.56	18.36	17.68	19.5	0
5	64QAM	1	12	18.15	18.22	18.63	18.41	17.50		
5	64QAM	1	24	18.20	18.19	18.56	18.40	17.59		
5	64QAM	12	0	18.25	18.25	18.56	18.45	17.67	19.5	0
5	64QAM	12	7	18.25	18.20	18.58	18.37	17.64		
5	64QAM	12	13	18.14	18.15	18.57	18.49	17.52		
5	64QAM	25	0	18.17	18.28	18.59	18.33	17.62		
5	256QAM	1	0	18.34	18.31	18.54	18.49	17.55	19.5	0
5	256QAM	1	12	18.30	18.10	18.51	18.33	17.50		
5	256QAM	1	24	18.29	18.19	18.44	18.40	17.54		
5	256QAM	12	0	18.09	18.39	18.57	18.38	17.58	19.5	0
5	256QAM	12	7	18.12	18.12	18.38	18.37	17.51		
5	256QAM	12	13	18.30	18.31	18.47	18.43	17.64		
5	256QAM	25	0	18.15	18.12	18.48	18.42	17.57		

Band 7 Ant5 DSI1 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.81	20.87	20.84	22	0
20	QPSK	1	49	20.78	20.84	20.86		
20	QPSK	1	99	20.76	20.80	20.80		
20	QPSK	50	0	19.69	19.70	19.69	21	1
20	QPSK	50	24	19.60	19.64	19.60		
20	QPSK	50	50	19.65	19.69	19.61		
20	QPSK	100	0	19.64	19.67	19.63		
20	16QAM	1	0	19.64	19.62	19.61	21	1
20	16QAM	1	49	19.59	19.61	19.64		
20	16QAM	1	99	19.67	19.68	19.65		
20	16QAM	50	0	18.70	18.73	18.69	20	2
20	16QAM	50	24	18.66	18.68	18.60		
20	16QAM	50	50	18.57	18.63	18.66		
20	16QAM	100	0	18.73	18.70	18.63		
20	64QAM	1	0	18.62	18.61	18.63	20	2
20	64QAM	1	49	18.58	18.61	18.63		
20	64QAM	1	99	18.56	18.64	18.61		
20	64QAM	50	0	17.68	17.65	17.66	19	3
20	64QAM	50	24	17.58	17.67	17.66		
20	64QAM	50	50	17.58	17.64	17.60		
20	64QAM	100	0	17.53	17.61	17.53		
20	256QAM	1	0	15.62	15.70	15.70	17	5
20	256QAM	1	49	15.59	15.61	15.58		
20	256QAM	1	99	15.59	15.64	15.64		
20	256QAM	50	0	15.58	15.62	15.63	17	5
20	256QAM	50	24	15.65	15.68	15.71		
20	256QAM	50	50	15.58	15.56	15.50		
20	256QAM	100	0	15.67	15.73	15.69		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.78	20.81	20.81	22	0
15	QPSK	1	37	20.72	20.82	20.80		
15	QPSK	1	74	20.71	20.73	20.77		
15	QPSK	36	0	19.63	19.63	19.64	21	1
15	QPSK	36	20	19.60	19.57	19.57		
15	QPSK	36	39	19.59	19.64	19.55		
15	QPSK	75	0	19.60	19.70	19.56		
15	16QAM	1	0	19.60	19.59	19.53	21	1
15	16QAM	1	37	19.54	19.61	19.67		
15	16QAM	1	74	19.66	19.61	19.61		
15	16QAM	36	0	18.62	18.72	18.66	20	2
15	16QAM	36	20	18.60	18.71	18.60		
15	16QAM	36	39	18.58	18.64	18.59		
15	16QAM	75	0	18.65	18.69	18.54		
15	64QAM	1	0	18.60	18.56	18.59	20	2
15	64QAM	1	37	18.57	18.63	18.66		
15	64QAM	1	74	18.55	18.56	18.52		
15	64QAM	36	0	17.67	17.63	17.63	19	3
15	64QAM	36	20	17.52	17.67	17.57		
15	64QAM	36	39	17.58	17.65	17.56		
15	64QAM	75	0	17.53	17.53	17.52		
15	256QAM	1	0	15.56	15.73	15.63	17	5
15	256QAM	1	37	15.55	15.63	15.53		
15	256QAM	1	74	15.54	15.55	15.63		
15	256QAM	36	0	15.56	15.55	15.61	17	5
15	256QAM	36	20	15.56	15.69	15.68		
15	256QAM	36	39	15.54	15.58	15.50		
15	256QAM	75	0	15.60	15.73	15.63		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.77	20.83	20.82	22	0
10	QPSK	1	25	20.75	20.81	20.81		
10	QPSK	1	49	20.75	20.78	20.74		
10	QPSK	25	0	19.68	19.61	19.72	21	1
10	QPSK	25	12	19.57	19.61	19.62		
10	QPSK	25	25	19.60	19.66	19.56		
10	QPSK	50	0	19.63	19.64	19.58		
10	16QAM	1	0	19.61	19.58	19.56	21	1
10	16QAM	1	25	19.57	19.57	19.64		
10	16QAM	1	49	19.60	19.64	19.65		
10	16QAM	25	0	18.63	18.74	18.64	20	2
10	16QAM	25	12	18.63	18.64	18.54		
10	16QAM	25	25	18.51	18.58	18.65		
10	16QAM	50	0	18.65	18.68	18.56		
10	64QAM	1	0	18.62	18.57	18.63	20	2
10	64QAM	1	25	18.57	18.55	18.55		
10	64QAM	1	49	18.54	18.60	18.59		
10	64QAM	25	0	17.69	17.62	17.57	19	3
10	64QAM	25	12	17.54	17.59	17.64		
10	64QAM	25	25	17.61	17.57	17.57		
10	64QAM	50	0	17.50	17.57	17.55		
10	256QAM	1	0	15.55	15.71	15.69	17	5
10	256QAM	1	25	15.52	15.61	15.61		
10	256QAM	1	49	15.52	15.67	15.56		
10	256QAM	25	0	15.50	15.57	15.58	17	5
10	256QAM	25	12	15.60	15.65	15.69		
10	256QAM	25	25	15.59	15.54	15.57		
10	256QAM	50	0	15.60	15.74	15.61		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.79	20.83	20.85	22	0
5	QPSK	1	12	20.71	20.78	20.85		
5	QPSK	1	24	20.69	20.81	20.72		
5	QPSK	12	0	19.64	19.63	19.64	21	1
5	QPSK	12	7	19.52	19.63	19.58		
5	QPSK	12	13	19.57	19.64	19.58		
5	QPSK	25	0	19.55	19.63	19.62		
5	16QAM	1	0	19.61	19.63	19.56	21	1
5	16QAM	1	12	19.52	19.54	19.57		
5	16QAM	1	24	19.68	19.70	19.65		
5	16QAM	12	0	18.64	18.69	18.71	20	2
5	16QAM	12	7	18.67	18.61	18.58		
5	16QAM	12	13	18.51	18.65	18.69		
5	16QAM	25	0	18.68	18.62	18.55		
5	64QAM	1	0	18.60	18.62	18.56	20	2
5	64QAM	1	12	18.61	18.61	18.56		
5	64QAM	1	24	18.56	18.59	18.56		
5	64QAM	12	0	17.61	17.67	17.67	19	3
5	64QAM	12	7	17.56	17.68	17.62		
5	64QAM	12	13	17.61	17.58	17.58		
5	64QAM	25	0	17.52	17.62	17.52		
5	256QAM	1	0	15.55	15.65	15.69	17	5
5	256QAM	1	12	15.57	15.57	15.50		
5	256QAM	1	24	15.61	15.57	15.67		
5	256QAM	12	0	15.60	15.62	15.63	17	5
5	256QAM	12	7	15.60	15.59	15.73		
5	256QAM	12	13	15.57	15.57	15.51		
5	256QAM	25	0	15.64	15.65	15.68		

Band 7 Ant5 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.03	21.17	21.16	22.5	0
20	QPSK	1	49	21.01	21.13	21.10		
20	QPSK	1	99	21.00	21.14	21.15		
20	QPSK	50	0	19.94	20.08	20.02	21.5	1
20	QPSK	50	24	19.86	19.96	19.95		
20	QPSK	50	50	19.83	19.95	19.91		
20	QPSK	100	0	19.96	20.07	20.01		
20	16QAM	1	0	19.82	19.91	19.87	21.5	1
20	16QAM	1	49	19.81	19.90	19.96		
20	16QAM	1	99	19.74	19.88	19.84		
20	16QAM	50	0	18.98	19.03	19.09	20.5	2
20	16QAM	50	24	18.90	18.95	18.97		
20	16QAM	50	50	18.90	18.97	19.02		
20	16QAM	100	0	18.95	19.02	19.00		
20	64QAM	1	0	19.01	19.11	19.16	20.5	2
20	64QAM	1	49	18.96	19.07	19.05		
20	64QAM	1	99	18.92	19.04	19.08		
20	64QAM	50	0	17.89	17.96	17.91	19.5	3
20	64QAM	50	24	17.83	17.98	18.02		
20	64QAM	50	50	17.87	17.92	17.89		
20	64QAM	100	0	18.01	18.07	18.10		
20	256QAM	1	0	16.03	16.12	16.16	17.5	5
20	256QAM	1	49	16.04	16.11	16.09		
20	256QAM	1	99	16.02	16.13	16.12		
20	256QAM	50	0	15.98	16.10	16.16	17.5	5
20	256QAM	50	24	15.99	16.12	16.17		
20	256QAM	50	50	15.96	16.06	16.06		
20	256QAM	100	0	15.98	16.08	16.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.01	21.10	21.09	22.5	0
15	QPSK	1	37	20.93	21.14	21.07		
15	QPSK	1	74	21.01	21.14	21.06		
15	QPSK	36	0	19.92	20.09	19.97	21.5	1
15	QPSK	36	20	19.83	19.93	19.91		
15	QPSK	36	39	19.81	19.92	19.91		
15	QPSK	75	0	19.94	20.03	20.06		
15	16QAM	1	0	19.76	19.86	19.79	21.5	1
15	16QAM	1	37	19.75	19.86	19.99		
15	16QAM	1	74	19.74	19.88	19.80		
15	16QAM	36	0	18.94	18.97	19.09	20.5	2
15	16QAM	36	20	18.85	18.91	18.89		
15	16QAM	36	39	18.91	18.90	18.94		
15	16QAM	75	0	18.90	19.04	18.94		
15	64QAM	1	0	18.95	19.02	19.11	20.5	2
15	64QAM	1	37	18.95	19.03	19.07		
15	64QAM	1	74	18.92	18.96	19.03		
15	64QAM	36	0	17.81	17.98	17.91	19.5	3
15	64QAM	36	20	17.76	17.94	18.03		
15	64QAM	36	39	17.87	17.85	17.90		
15	64QAM	75	0	18.00	18.05	18.05		
15	256QAM	1	0	15.99	16.03	16.18	17.5	5
15	256QAM	1	37	15.98	16.09	16.02		
15	256QAM	1	74	15.96	16.06	16.07		
15	256QAM	36	0	15.94	16.04	16.11	17.5	5
15	256QAM	36	20	15.93	16.07	16.08		
15	256QAM	36	39	15.90	16.01	16.03		
15	256QAM	75	0	15.90	16.10	16.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.99	21.12	21.07	22.5	0
10	QPSK	1	25	20.94	21.16	21.11		
10	QPSK	1	49	21.02	21.07	21.10		
10	QPSK	25	0	19.89	20.04	20.03	21.5	1
10	QPSK	25	12	19.78	19.96	19.88		
10	QPSK	25	25	19.85	19.93	19.87		
10	QPSK	50	0	19.92	20.01	20.08		
10	16QAM	1	0	19.76	19.88	19.85	21.5	1
10	16QAM	1	25	19.83	19.91	19.92		
10	16QAM	1	49	19.70	19.86	19.76		
10	16QAM	25	0	19.00	18.96	19.07	20.5	2
10	16QAM	25	12	18.82	18.96	18.95		
10	16QAM	25	25	18.82	18.93	19.04		
10	16QAM	50	0	18.87	19.04	18.96		
10	64QAM	1	0	18.92	19.14	19.11	20.5	2
10	64QAM	1	25	18.97	19.00	19.05		
10	64QAM	1	49	18.94	19.06	19.02		
10	64QAM	25	0	17.83	17.99	17.84	19.5	3
10	64QAM	25	12	17.86	17.99	18.02		
10	64QAM	25	25	17.83	17.86	17.86		
10	64QAM	50	0	17.98	18.07	18.13		
10	256QAM	1	0	16.03	16.08	16.15	17.5	5
10	256QAM	1	25	16.06	16.04	16.08		
10	256QAM	1	49	15.96	16.06	16.09		
10	256QAM	25	0	15.89	16.09	16.08	17.5	5
10	256QAM	25	12	15.93	16.13	16.13		
10	256QAM	25	25	15.90	16.02	16.09		
10	256QAM	50	0	15.96	16.04	16.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.00	21.14	21.11	22.5	0
5	QPSK	1	12	20.96	21.05	21.12		
5	QPSK	1	24	20.97	21.09	21.12		
5	QPSK	12	0	19.85	20.05	20.02	21.5	1
5	QPSK	12	7	19.83	19.90	19.91		
5	QPSK	12	13	19.76	19.94	19.89		
5	QPSK	25	0	19.95	19.95	20.01		
5	16QAM	1	0	19.75	19.91	19.83	21.5	1
5	16QAM	1	12	19.73	19.88	19.94		
5	16QAM	1	24	19.74	19.83	19.82		
5	16QAM	12	0	18.93	18.96	19.08	20.5	2
5	16QAM	12	7	18.83	18.88	18.90		
5	16QAM	12	13	18.88	18.92	18.97		
5	16QAM	25	0	18.96	18.95	18.91		
5	64QAM	1	0	18.95	19.04	19.12	20.5	2
5	64QAM	1	12	18.91	18.99	19.04		
5	64QAM	1	24	18.93	18.99	19.01		
5	64QAM	12	0	17.86	17.93	17.87	19.5	3
5	64QAM	12	7	17.76	17.90	18.02		
5	64QAM	12	13	17.87	17.93	17.85		
5	64QAM	25	0	18.01	17.99	18.12		
5	256QAM	1	0	16.02	16.10	16.09	17.5	5
5	256QAM	1	12	15.98	16.06	16.07		
5	256QAM	1	24	16.01	16.14	16.11		
5	256QAM	12	0	15.97	16.09	16.16	17.5	5
5	256QAM	12	7	15.93	16.12	16.16		
5	256QAM	12	13	15.99	16.08	16.04		
5	256QAM	25	0	15.91	16.03	16.13		

Band 38 Ant5 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.24	21.38	21.26	22.5	0
20	QPSK	1	49	21.28	21.29	21.33		
20	QPSK	1	99	21.12	21.16	21.18		
20	QPSK	50	0	19.93	20.35	19.85	21.5	1
20	QPSK	50	24	20.21	20.28	20.31		
20	QPSK	50	50	20.20	20.27	20.34		
20	QPSK	100	0	20.24	20.28	20.21		
20	16QAM	1	0	20.28	20.35	20.33	21.5	1
20	16QAM	1	49	20.27	20.31	20.38		
20	16QAM	1	99	20.25	20.30	20.36		
20	16QAM	50	0	19.45	19.53	19.52	20.5	2
20	16QAM	50	24	19.46	19.52	19.50		
20	16QAM	50	50	19.48	19.53	19.59		
20	16QAM	100	0	19.46	19.52	19.50		
20	64QAM	1	0	19.58	19.65	19.68	20.5	2
20	64QAM	1	49	19.52	19.53	19.61		
20	64QAM	1	99	19.51	19.56	19.57		
20	64QAM	50	0	18.46	18.53	18.60	19.5	3
20	64QAM	50	24	18.51	18.54	18.62		
20	64QAM	50	50	18.48	18.53	18.53		
20	64QAM	100	0	18.54	18.56	18.54		
20	256QAM	1	0	16.45	16.52	16.55	17.5	5
20	256QAM	1	49	16.50	16.54	16.59		
20	256QAM	1	99	16.53	16.53	16.54		
20	256QAM	50	0	16.47	16.55	16.53	17.5	5
20	256QAM	50	24	16.53	16.57	16.60		
20	256QAM	50	50	16.44	16.52	16.55		
20	256QAM	100	0	16.48	16.50	16.55		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.26	21.35	21.22	22.5	0
15	QPSK	1	37	21.30	21.27	21.29		
15	QPSK	1	74	21.14	21.17	21.18		
15	QPSK	36	0	19.89	20.01	19.76	21.5	1
15	QPSK	36	20	20.17	20.27	20.29		
15	QPSK	36	39	20.23	20.25	20.25		
15	QPSK	75	0	20.20	20.24	20.30		
15	16QAM	1	0	19.81	20.07	19.76	21.5	1
15	16QAM	1	37	19.88	19.97	19.88		
15	16QAM	1	74	19.79	20.00	19.82		
15	16QAM	36	0	18.98	19.17	19.05	20.5	2
15	16QAM	36	20	19.07	19.16	19.00		
15	16QAM	36	39	19.05	19.24	19.07		
15	16QAM	75	0	19.07	19.19	19.01		
15	64QAM	1	0	19.14	19.32	19.21	20.5	2
15	64QAM	1	37	19.04	19.24	19.13		
15	64QAM	1	74	19.05	19.19	19.00		
15	64QAM	36	0	18.07	18.22	18.12	19.5	3
15	64QAM	36	20	18.13	18.17	18.04		
15	64QAM	36	39	18.06	18.17	18.04		
15	64QAM	75	0	18.13	18.28	17.97		
15	256QAM	1	0	16.07	16.17	15.97	17.5	5
15	256QAM	1	37	16.12	16.27	16.03		
15	256QAM	1	74	16.16	16.16	16.01		
15	256QAM	36	0	15.99	16.19	15.98	17.5	5
15	256QAM	36	20	16.08	16.19	16.12		
15	256QAM	36	39	16.00	16.25	15.97		
15	256QAM	75	0	16.00	16.20	16.04		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.24	21.35	21.21	22.5	0
10	QPSK	1	25	21.24	21.21	21.29		
10	QPSK	1	49	21.14	21.18	21.10		
10	QPSK	25	0	19.91	20.02	19.78	21.5	1
10	QPSK	25	12	20.15	20.29	20.32		
10	QPSK	25	25	20.17	20.22	20.28		
10	QPSK	50	0	20.21	20.29	20.34		
10	16QAM	1	0	19.90	20.05	19.82	21.5	1
10	16QAM	1	25	19.90	20.00	19.90		
10	16QAM	1	49	19.81	20.01	19.88		
10	16QAM	25	0	19.05	19.25	18.95	20.5	2
10	16QAM	25	12	19.09	19.25	18.97		
10	16QAM	25	25	19.11	19.19	19.06		
10	16QAM	50	0	19.07	19.18	18.92		
10	64QAM	1	0	19.20	19.30	19.13	20.5	2
10	64QAM	1	25	19.10	19.21	19.09		
10	64QAM	1	49	19.11	19.25	19.07		
10	64QAM	25	0	18.02	18.20	18.04	19.5	3
10	64QAM	25	12	18.03	18.21	18.04		
10	64QAM	25	25	18.05	18.16	18.01		
10	64QAM	50	0	18.16	18.23	18.06		
10	256QAM	1	0	15.98	16.20	16.04	17.5	5
10	256QAM	1	25	16.07	16.18	16.10		
10	256QAM	1	49	16.08	16.18	16.04		
10	256QAM	25	0	16.09	16.23	16.00	17.5	5
10	256QAM	25	12	16.06	16.23	16.11		
10	256QAM	25	25	16.03	16.23	15.99		
10	256QAM	50	0	16.00	16.20	16.00		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.17	21.25	21.24	22.5	0
5	QPSK	1	12	21.24	21.29	21.24		
5	QPSK	1	24	21.14	21.14	21.21		
5	QPSK	12	0	19.88	20.01	19.81	21.5	1
5	QPSK	12	7	20.17	20.31	20.32		
5	QPSK	12	13	20.20	20.25	20.28		
5	QPSK	25	0	20.25	20.27	20.35		
5	16QAM	1	0	19.82	20.05	19.75	21.5	1
5	16QAM	1	12	19.87	20.02	19.87		
5	16QAM	1	24	19.85	19.98	19.89		
5	16QAM	12	0	19.02	19.21	19.02	20.5	2
5	16QAM	12	7	18.98	19.19	18.97		
5	16QAM	12	13	19.05	19.20	19.08		
5	16QAM	25	0	18.99	19.14	18.97		
5	64QAM	1	0	19.17	19.26	19.11	20.5	2
5	64QAM	1	12	19.12	19.14	19.06		
5	64QAM	1	24	19.06	19.21	19.03		
5	64QAM	12	0	17.97	18.22	18.04	19.5	3
5	64QAM	12	7	18.10	18.23	18.04		
5	64QAM	12	13	18.08	18.26	18.00		
5	64QAM	25	0	18.06	18.27	17.99		
5	256QAM	1	0	16.01	16.22	16.05	17.5	5
5	256QAM	1	12	16.12	16.15	16.06		
5	256QAM	1	24	16.08	16.17	15.99		
5	256QAM	12	0	16.07	16.20	16.02	17.5	5
5	256QAM	12	7	16.12	16.22	16.07		
5	256QAM	12	13	15.99	16.17	16.02		
5	256QAM	25	0	16.11	16.15	16.06		

Band 41 Ant5 DSI1 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.22	21.23	21.36	21.35	21.35	22.5	0
20	QPSK	1	49	21.23	21.21	21.34	21.25	21.35		
20	QPSK	1	99	21.24	21.19	21.31	21.35	21.26		
20	QPSK	50	0	20.20	20.17	20.40	20.35	20.38	21.5	1
20	QPSK	50	24	20.19	20.20	20.34	20.32	20.39		
20	QPSK	50	50	20.27	20.15	20.29	20.34	20.27		
20	QPSK	100	0	20.13	20.19	20.37	20.30	20.32		
20	16QAM	1	0	20.22	20.26	20.33	20.39	20.41	21.5	1
20	16QAM	1	49	20.24	20.18	20.35	20.35	20.31		
20	16QAM	1	99	20.21	20.15	20.26	20.32	20.20		
20	16QAM	50	0	19.14	19.14	19.37	19.34	19.33	20.5	2
20	16QAM	50	24	19.15	19.15	19.37	19.36	19.41		
20	16QAM	50	50	19.32	19.16	19.25	19.31	19.24		
20	16QAM	100	0	19.16	19.24	19.31	19.35	19.34		
20	64QAM	1	0	19.24	19.28	19.29	19.38	19.42	20.5	2
20	64QAM	1	49	19.24	19.22	19.36	19.39	19.31		
20	64QAM	1	99	19.25	19.16	19.30	19.32	19.18		
20	64QAM	50	0	18.15	18.16	18.41	18.31	18.38	19.5	3
20	64QAM	50	24	18.16	18.15	18.28	18.26	18.43		
20	64QAM	50	50	18.31	18.20	18.25	18.38	18.24		
20	64QAM	100	0	18.15	18.15	18.31	18.39	18.28		
20	256QAM	1	0	16.19	16.19	16.37	16.34	16.42	17.5	5
20	256QAM	1	49	16.15	16.14	16.38	16.34	16.35		
20	256QAM	1	99	16.27	16.12	16.27	16.31	16.22		
20	256QAM	50	0	16.09	16.13	16.37	16.43	16.30	17.5	5
20	256QAM	50	24	16.20	16.24	16.38	16.35	16.37		
20	256QAM	50	50	16.30	16.15	16.33	16.32	16.31		
20	256QAM	100	0	16.24	16.10	16.27	16.33	16.18		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.17	21.20	21.34	21.31	21.30	23	0
15	QPSK	1	37	21.22	21.13	21.25	21.29	21.35		
15	QPSK	1	74	21.25	21.18	21.27	21.29	21.24		
15	QPSK	36	0	20.12	20.17	20.42	20.37	20.30	21.5	1
15	QPSK	36	20	20.14	20.13	20.27	20.26	20.34		
15	QPSK	36	39	20.24	20.13	20.32	20.29	20.20		
15	QPSK	75	0	20.11	20.10	20.30	20.40	20.23		
15	16QAM	1	0	20.19	20.23	20.32	20.31	20.33	21.5	1
15	16QAM	1	37	20.26	20.18	20.31	20.33	20.25		
15	16QAM	1	74	20.15	20.07	20.25	20.33	20.18		
15	16QAM	36	0	19.16	19.17	19.33	19.36	19.35	20.5	2
15	16QAM	36	20	19.17	19.14	19.33	19.34	19.42		
15	16QAM	36	39	19.31	19.10	19.17	19.28	19.21		
15	16QAM	75	0	19.18	19.22	19.25	19.27	19.33		
15	64QAM	1	0	19.17	19.19	19.21	19.40	19.38	20.5	2
15	64QAM	1	37	19.26	19.21	19.29	19.35	19.24		
15	64QAM	1	74	19.23	19.10	19.26	19.27	19.13		
15	64QAM	36	0	18.15	18.19	18.36	18.30	18.30	19.5	3
15	64QAM	36	20	18.10	18.10	18.22	18.21	18.36		
15	64QAM	36	39	18.32	18.11	18.22	18.31	18.22		
15	64QAM	75	0	18.16	18.13	18.30	18.32	18.25		
15	256QAM	1	0	16.12	16.13	16.28	16.25	16.37	17.5	5
15	256QAM	1	37	16.16	16.06	16.34	16.34	16.37		
15	256QAM	1	74	16.26	16.09	16.23	16.22	16.17		
15	256QAM	36	0	16.06	16.16	16.31	16.40	16.30	17.5	5
15	256QAM	36	20	16.18	16.25	16.29	16.31	16.29		
15	256QAM	36	39	16.31	16.11	16.34	16.34	16.32		
15	256QAM	75	0	16.27	16.04	16.21	16.35	16.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.13	21.15	21.35	21.34	21.31	23	0
10	QPSK	1	25	21.17	21.14	21.25	21.25	21.34		
10	QPSK	1	49	21.25	21.19	21.26	21.32	21.17		
10	QPSK	25	0	20.22	20.18	20.31	20.30	20.35	21.5	1
10	QPSK	25	12	20.18	20.23	20.32	20.30	20.36		
10	QPSK	25	25	20.19	20.06	20.31	20.33	20.22		
10	QPSK	50	0	20.09	20.18	20.30	20.35	20.28		
10	16QAM	1	0	20.25	20.22	20.27	20.38	20.33	21.5	1
10	16QAM	1	25	20.16	20.18	20.34	20.28	20.26		
10	16QAM	1	49	20.24	20.07	20.20	20.31	20.20		
10	16QAM	25	0	19.08	19.06	19.29	19.27	19.24	20.5	2
10	16QAM	25	12	19.11	19.15	19.38	19.33	19.34		
10	16QAM	25	25	19.35	19.15	19.23	19.25	19.19		
10	16QAM	50	0	19.12	19.20	19.23	19.29	19.35		
10	64QAM	1	0	19.22	19.25	19.23	19.40	19.37	20.5	2
10	64QAM	1	25	19.25	19.17	19.38	19.35	19.24		
10	64QAM	1	49	19.26	19.08	19.33	19.29	19.20		
10	64QAM	25	0	18.10	18.12	18.42	18.29	18.40	19.5	3
10	64QAM	25	12	18.16	18.17	18.28	18.22	18.35		
10	64QAM	25	25	18.32	18.17	18.28	18.41	18.25		
10	64QAM	50	0	18.14	18.16	18.29	18.39	18.27		
10	256QAM	1	0	16.19	16.18	16.29	16.34	16.33	17.5	5
10	256QAM	1	25	16.10	16.12	16.31	16.30	16.37		
10	256QAM	1	49	16.27	16.06	16.19	16.30	16.21		
10	256QAM	25	0	16.12	16.11	16.34	16.38	16.25	17.5	5
10	256QAM	25	12	16.13	16.22	16.32	16.36	16.29		
10	256QAM	25	25	16.30	16.09	16.35	16.25	16.22		
10	256QAM	50	0	16.17	16.10	16.21	16.29	16.14		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.15	21.25	21.31	21.27	21.29	23	0
5	QPSK	1	12	21.21	21.19	21.32	21.21	21.34		
5	QPSK	1	24	21.23	21.22	21.25	21.25	21.24		
5	QPSK	12	0	20.11	20.09	20.43	20.27	20.40	21.5	1
5	QPSK	12	7	20.14	20.13	20.34	20.32	20.37		
5	QPSK	12	13	20.20	20.16	20.21	20.28	20.26		
5	QPSK	25	0	20.09	20.15	20.39	20.39	20.35		
5	16QAM	1	0	20.22	20.18	20.27	20.30	20.37	21.5	1
5	16QAM	1	12	20.22	20.16	20.32	20.28	20.26		
5	16QAM	1	24	20.22	20.14	20.29	20.25	20.20		
5	16QAM	12	0	19.14	19.13	19.35	19.35	19.29	20.5	2
5	16QAM	12	7	19.06	19.16	19.29	19.31	19.41		
5	16QAM	12	13	19.30	19.18	19.22	19.27	19.26		
5	16QAM	25	0	19.19	19.24	19.33	19.35	19.34		
5	64QAM	1	0	19.25	19.23	19.26	19.33	19.44	20.5	2
5	64QAM	1	12	19.21	19.21	19.36	19.36	19.31		
5	64QAM	1	24	19.25	19.15	19.29	19.23	19.12		
5	64QAM	12	0	18.15	18.11	18.41	18.33	18.36	19.5	3
5	64QAM	12	7	18.16	18.16	18.27	18.20	18.40		
5	64QAM	12	13	18.34	18.15	18.22	18.34	18.17		
5	64QAM	25	0	18.17	18.11	18.25	18.34	18.25		
5	256QAM	1	0	16.15	16.18	16.33	16.33	16.43	17.5	5
5	256QAM	1	12	16.13	16.14	16.40	16.28	16.29		
5	256QAM	1	24	16.23	16.12	16.22	16.24	16.16		
5	256QAM	12	0	16.11	16.06	16.31	16.37	16.21	17.5	5
5	256QAM	12	7	16.18	16.19	16.31	16.32	16.30		
5	256QAM	12	13	16.21	16.16	16.27	16.26	16.33		
5	256QAM	25	0	16.15	16.09	16.19	16.29	16.15		

Reduced Power NSA Mode for DSI3

Band 2 Ant2 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.04	22.31	22.17	23.5	0
20	QPSK	1	49	22.04	22.17	22.11		
20	QPSK	1	99	21.91	22.12	21.96		
20	QPSK	50	0	21.98	22.09	22.07	23.5	0
20	QPSK	50	24	21.86	22.07	22.02		
20	QPSK	50	50	21.89	22.05	21.93		
20	QPSK	100	0	21.81	22.10	22.04		
20	16QAM	1	0	21.77	21.96	21.82	23.5	0
20	16QAM	1	49	21.75	21.93	21.98		
20	16QAM	1	99	21.70	21.87	21.97		
20	16QAM	50	0	21.87	22.09	22.10	23.5	0
20	16QAM	50	24	21.90	22.05	21.98		
20	16QAM	50	50	21.84	22.01	22.04		
20	16QAM	100	0	21.84	22.06	22.02		
20	64QAM	1	0	21.99	22.18	22.12	23.5	0
20	64QAM	1	49	21.92	22.10	22.12		
20	64QAM	1	99	21.93	22.11	22.11		
20	64QAM	50	0	20.93	21.11	21.10	22.5	1
20	64QAM	50	24	20.92	21.08	21.10		
20	64QAM	50	50	20.87	21.13	21.11		
20	64QAM	100	0	20.82	21.06	21.04		
20	256QAM	1	0	18.94	19.08	19.10	20.5	3
20	256QAM	1	49	18.85	19.02	18.98		
20	256QAM	1	99	18.86	19.05	19.03		
20	256QAM	50	0	18.90	19.07	19.06	20.5	3
20	256QAM	50	24	18.92	19.06	19.08		
20	256QAM	50	50	18.92	19.07	19.02		
20	256QAM	100	0	18.91	19.05	19.06		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.00	22.29	22.10	23.5	0
15	QPSK	1	37	22.05	22.13	22.02		
15	QPSK	1	74	21.86	22.07	22.00		
15	QPSK	36	0	22.01	22.03	22.05	23.5	0
15	QPSK	36	20	21.82	21.99	21.99		
15	QPSK	36	39	21.84	22.05	21.91		
15	QPSK	75	0	21.74	22.05	22.03		
15	16QAM	1	0	21.78	21.90	21.78	23.5	0
15	16QAM	1	37	21.74	21.89	21.97		
15	16QAM	1	74	21.62	21.81	21.98		
15	16QAM	36	0	21.82	22.01	22.11	23.5	0
15	16QAM	36	20	21.82	21.96	21.98		
15	16QAM	36	39	21.83	21.94	22.00		
15	16QAM	75	0	21.77	22.01	21.96		
15	64QAM	1	0	21.98	22.14	22.04	23.5	0
15	64QAM	1	37	21.89	22.09	22.12		
15	64QAM	1	74	21.92	22.06	22.12		
15	64QAM	36	0	20.85	21.12	21.08	22.5	1
15	64QAM	36	20	20.86	21.08	21.10		
15	64QAM	36	39	20.89	21.11	21.10		
15	64QAM	75	0	20.82	21.06	21.05		
15	256QAM	1	0	18.92	19.09	19.02	20.5	3
15	256QAM	1	37	18.78	19.03	18.91		
15	256QAM	1	74	18.82	19.07	19.04		
15	256QAM	36	0	18.88	19.06	19.03	20.5	3
15	256QAM	36	20	18.92	19.09	19.06		
15	256QAM	36	39	18.94	19.00	19.03		
15	256QAM	75	0	18.83	19.01	19.08		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.99	22.26	22.18	23.5	0
10	QPSK	1	25	21.98	22.16	22.07		
10	QPSK	1	49	21.90	22.12	22.04		
10	QPSK	25	0	21.92	22.10	22.00	23.5	0
10	QPSK	25	12	21.78	22.01	22.03		
10	QPSK	25	25	21.82	22.03	21.88		
10	QPSK	50	0	21.81	22.12	21.97		
10	16QAM	1	0	21.78	21.96	21.74	23.5	0
10	16QAM	1	25	21.74	21.89	21.89		
10	16QAM	1	49	21.69	21.88	21.96		
10	16QAM	25	0	21.86	22.08	22.07	23.5	0
10	16QAM	25	12	21.87	21.96	21.98		
10	16QAM	25	25	21.81	22.02	22.05		
10	16QAM	50	0	21.86	21.98	21.99		
10	64QAM	1	0	22.01	22.12	22.14	23.5	0
10	64QAM	1	25	21.94	22.05	22.09		
10	64QAM	1	49	21.85	22.11	22.10		
10	64QAM	25	0	20.89	21.14	21.08	22.5	1
10	64QAM	25	12	20.91	21.05	21.06		
10	64QAM	25	25	20.81	21.15	21.08		
10	64QAM	50	0	20.83	21.00	21.05		
10	256QAM	1	0	18.90	19.11	19.07	20.5	3
10	256QAM	1	25	18.80	19.01	18.91		
10	256QAM	1	49	18.79	19.06	19.05		
10	256QAM	25	0	18.92	19.07	19.08	20.5	3
10	256QAM	25	12	18.87	19.03	19.01		
10	256QAM	25	25	18.93	19.05	19.04		
10	256QAM	50	0	18.82	18.99	19.00		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.96	22.29	22.14	23.5	0
5	QPSK	1	12	21.97	22.19	22.12		
5	QPSK	1	24	21.92	22.13	22.07		
5	QPSK	12	0	21.98	22.09	22.00	23.5	0
5	QPSK	12	7	21.86	22.03	22.00		
5	QPSK	12	13	21.91	21.97	21.94		
5	QPSK	25	0	21.84	22.09	22.06		
5	16QAM	1	0	21.78	21.91	21.74	23.5	0
5	16QAM	1	12	21.71	21.94	21.97		
5	16QAM	1	24	21.68	21.88	21.93		
5	16QAM	12	0	21.84	22.08	22.07	23.5	0
5	16QAM	12	7	21.83	22.05	21.91		
5	16QAM	12	13	21.82	21.97	21.97		
5	16QAM	25	0	21.84	22.06	21.98		
5	64QAM	1	0	21.90	22.10	22.09	23.5	0
5	64QAM	1	12	21.92	22.06	22.11		
5	64QAM	1	24	21.88	22.11	22.05		
5	64QAM	12	0	20.89	21.03	21.04	22.5	1
5	64QAM	12	7	20.91	21.10	21.02		
5	64QAM	12	13	20.84	21.05	21.14		
5	64QAM	25	0	20.74	21.02	21.03		
5	256QAM	1	0	18.97	19.01	19.10	20.5	3
5	256QAM	1	12	18.85	19.00	18.95		
5	256QAM	1	24	18.88	19.02	18.94		
5	256QAM	12	0	18.90	19.02	19.09	20.5	3
5	256QAM	12	7	18.88	18.99	19.02		
5	256QAM	12	13	18.89	18.99	18.95		
5	256QAM	25	0	18.84	18.99	19.07		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.96	22.28	22.12	23.5	0
3	QPSK	1	8	21.96	22.18	22.10		
3	QPSK	1	14	21.94	22.14	22.05		
3	QPSK	8	0	21.95	22.03	22.08	23.5	0
3	QPSK	8	4	21.89	22.09	21.95		
3	QPSK	8	7	21.82	21.98	21.94		
3	QPSK	15	0	21.74	22.01	22.04		
3	16QAM	1	0	21.72	21.89	21.82	23.5	0
3	16QAM	1	8	21.77	21.91	21.93		
3	16QAM	1	14	21.67	21.79	21.99		
3	16QAM	8	0	21.86	22.07	22.09	23.5	0
3	16QAM	8	4	21.86	21.99	21.97		
3	16QAM	8	7	21.85	21.96	21.96		
3	16QAM	15	0	21.82	22.08	22.02		
3	64QAM	1	0	21.92	22.19	22.09	23.5	0
3	64QAM	1	8	21.86	22.13	22.06		
3	64QAM	1	14	21.92	22.07	22.08		
3	64QAM	8	0	20.92	21.10	21.08	22.5	1
3	64QAM	8	4	20.87	21.01	21.04		
3	64QAM	8	7	20.79	21.06	21.05		
3	64QAM	15	0	20.80	21.01	20.99		
3	256QAM	1	0	18.91	19.05	19.04	20.5	3
3	256QAM	1	8	18.84	19.04	18.97		
3	256QAM	1	14	18.87	19.08	19.01		
3	256QAM	8	0	18.82	19.06	19.00	20.5	3
3	256QAM	8	4	18.88	19.04	19.02		
3	256QAM	8	7	18.85	19.03	18.99		
3	256QAM	15	0	18.85	18.97	18.98		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.97	22.27	22.13	23.5	0
1.4	QPSK	1	3	21.99	22.14	22.11		
1.4	QPSK	1	5	21.87	22.07	22.02		
1.4	QPSK	3	0	21.96	22.26	22.11		
1.4	QPSK	3	1	21.98	22.17	22.11		
1.4	QPSK	3	3	21.93	22.09	21.99		
1.4	QPSK	6	0	21.97	22.03	22.05	23.5	0
1.4	16QAM	1	0	21.79	22.04	21.97	23.5	0
1.4	16QAM	1	3	21.92	22.05	21.95		
1.4	16QAM	1	5	21.81	22.07	22.00		
1.4	16QAM	3	0	21.71	21.96	21.80		
1.4	16QAM	3	1	21.71	21.94	21.97		
1.4	16QAM	3	3	21.69	21.84	21.93		
1.4	16QAM	6	0	21.86	22.09	22.08	23.5	0
1.4	64QAM	1	0	21.83	22.02	21.90	23.5	0
1.4	64QAM	1	3	21.84	21.95	21.94		
1.4	64QAM	1	5	21.83	22.10	22.04		
1.4	64QAM	3	0	21.85	22.12	22.09		
1.4	64QAM	3	1	21.85	22.11	22.01		
1.4	64QAM	3	3	21.91	22.02	22.05		
1.4	64QAM	6	0	20.89	21.12	21.03	22.5	1
1.4	256QAM	1	0	18.92	19.05	19.02	20.5	3
1.4	256QAM	1	3	18.83	19.03	18.92		
1.4	256QAM	1	5	18.82	19.03	18.95		
1.4	256QAM	3	0	18.80	18.98	18.97		
1.4	256QAM	3	1	18.88	19.03	19.00		
1.4	256QAM	3	3	18.86	19.03	18.91		
1.4	256QAM	6	0	18.83	18.94	18.95	20.5	3

Band 7 Ant2 DSI3 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.45	20.62	20.53	21.5	0
20	QPSK	1	49	20.46	20.60	20.58		
20	QPSK	1	99	20.39	20.58	20.48		
20	QPSK	50	0	19.96	20.08	20.06	21.5	0
20	QPSK	50	24	19.89	20.01	20.02		
20	QPSK	50	50	19.98	20.00	19.94		
20	QPSK	100	0	20.00	20.08	19.99		
20	16QAM	1	0	20.02	20.06	19.98	21.5	0
20	16QAM	1	49	19.94	20.04	19.93		
20	16QAM	1	99	19.97	20.05	19.93		
20	16QAM	50	0	20.08	20.14	19.99	21.5	0
20	16QAM	50	24	19.96	19.95	20.00		
20	16QAM	50	50	19.98	20.01	19.93		
20	16QAM	100	0	20.06	20.04	20.02		
20	64QAM	1	0	20.04	19.98	20.09	21.5	0
20	64QAM	1	49	19.92	19.96	19.86		
20	64QAM	1	99	19.97	19.98	19.94		
20	64QAM	50	0	20.08	20.08	20.00	21.5	0
20	64QAM	50	24	19.92	19.94	20.03		
20	64QAM	50	50	20.04	19.97	19.96		
20	64QAM	100	0	19.95	19.96	20.05		
20	256QAM	1	0	19.01	19.08	19.04	20.5	1
20	256QAM	1	49	18.92	19.02	19.04		
20	256QAM	1	99	18.98	19.10	19.02		
20	256QAM	50	0	19.01	19.03	18.99	20.5	1
20	256QAM	50	24	18.93	19.00	19.00		
20	256QAM	50	50	18.93	18.94	18.95		
20	256QAM	100	0	19.03	18.99	18.94		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.43	20.51	20.52	21.5	0
15	QPSK	1	37	20.49	20.60	20.55		
15	QPSK	1	74	20.39	20.54	20.44		
15	QPSK	36	0	19.94	20.10	20.00	21.5	0
15	QPSK	36	20	19.91	20.01	20.03		
15	QPSK	36	39	19.94	19.95	19.96		
15	QPSK	75	0	20.00	20.02	19.96		
15	16QAM	1	0	19.94	20.08	19.92	21.5	0
15	16QAM	1	37	19.86	20.01	19.90		
15	16QAM	1	74	19.95	19.97	19.88		
15	16QAM	36	0	20.03	20.06	19.91	21.5	0
15	16QAM	36	20	19.94	19.88	20.00		
15	16QAM	36	39	19.90	19.94	19.86		
15	16QAM	75	0	20.06	20.04	20.04		
15	64QAM	1	0	19.98	19.97	20.05	21.5	0
15	64QAM	1	37	19.85	19.92	19.79		
15	64QAM	1	74	19.91	19.91	19.93		
15	64QAM	36	0	20.02	20.05	19.97	21.5	0
15	64QAM	36	20	19.84	19.93	19.96		
15	64QAM	36	39	20.03	19.97	19.96		
15	64QAM	75	0	19.97	19.99	19.96		
15	256QAM	1	0	18.94	19.09	19.03	20.5	1
15	256QAM	1	37	18.84	18.94	18.98		
15	256QAM	1	74	18.89	19.01	18.95		
15	256QAM	36	0	18.95	18.96	18.96	20.5	1
15	256QAM	36	20	18.95	18.99	19.01		
15	256QAM	36	39	18.93	18.92	18.90		
15	256QAM	75	0	18.98	18.97	18.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.47	20.59	20.46	21.5	0
10	QPSK	1	25	20.48	20.59	20.52		
10	QPSK	1	49	20.32	20.54	20.50		
10	QPSK	25	0	19.87	20.01	19.99	21.5	0
10	QPSK	25	12	19.88	20.01	19.95		
10	QPSK	25	25	19.91	19.98	19.96		
10	QPSK	50	0	20.00	20.06	19.92		
10	16QAM	1	0	19.99	20.05	19.99	21.5	0
10	16QAM	1	25	19.93	20.04	19.92		
10	16QAM	1	49	19.95	20.03	19.87		
10	16QAM	25	0	19.99	20.05	19.98	21.5	0
10	16QAM	25	12	19.88	19.91	20.00		
10	16QAM	25	25	19.98	19.96	19.86		
10	16QAM	50	0	20.05	19.97	19.96		
10	64QAM	1	0	20.01	19.95	20.12	21.5	0
10	64QAM	1	25	19.86	19.91	19.82		
10	64QAM	1	49	19.98	19.92	19.96		
10	64QAM	25	0	20.03	20.05	19.96	21.5	0
10	64QAM	25	12	19.89	19.94	19.94		
10	64QAM	25	25	19.99	19.93	19.97		
10	64QAM	50	0	19.95	19.93	20.07		
10	256QAM	1	0	18.92	19.03	18.98	20.5	1
10	256QAM	1	25	18.85	18.95	19.00		
10	256QAM	1	49	18.99	19.07	19.04		
10	256QAM	25	0	18.98	19.03	18.99	20.5	1
10	256QAM	25	12	18.89	18.96	19.02		
10	256QAM	25	25	18.84	18.93	18.95		
10	256QAM	50	0	19.03	19.01	18.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.39	20.58	20.53	21.5	0
5	QPSK	1	12	20.47	20.60	20.60		
5	QPSK	1	24	20.31	20.61	20.44		
5	QPSK	12	0	19.91	20.09	20.08	21.5	0
5	QPSK	12	7	19.82	19.98	19.96		
5	QPSK	12	13	19.97	19.94	19.93		
5	QPSK	25	0	19.92	20.00	19.97		
5	16QAM	1	0	20.02	19.97	19.94	21.5	0
5	16QAM	1	12	19.95	20.04	19.92		
5	16QAM	1	24	19.97	20.02	19.93		
5	16QAM	12	0	20.07	20.10	19.92	21.5	0
5	16QAM	12	7	19.99	19.95	19.93		
5	16QAM	12	13	19.98	20.00	19.88		
5	16QAM	25	0	20.00	20.06	19.98		
5	64QAM	1	0	19.98	19.91	20.10	21.5	0
5	64QAM	1	12	19.89	19.88	19.83		
5	64QAM	1	24	19.92	19.92	19.94		
5	64QAM	12	0	20.08	20.01	19.98	21.5	0
5	64QAM	12	7	19.84	19.85	19.97		
5	64QAM	12	13	19.99	19.98	19.94		
5	64QAM	25	0	19.89	19.88	20.00		
5	256QAM	1	0	18.99	19.06	18.96	20.5	1
5	256QAM	1	12	18.94	19.02	19.00		
5	256QAM	1	24	18.97	19.08	18.95		
5	256QAM	12	0	18.99	18.97	18.95	20.5	1
5	256QAM	12	7	18.95	18.95	18.95		
5	256QAM	12	13	18.91	18.90	18.90		
5	256QAM	25	0	19.06	18.92	18.95		

Band 7 Ant2 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.31	16.49	16.28	17	0
20	QPSK	1	49	16.26	16.30	16.23		
20	QPSK	1	99	16.42	16.47	16.25		
20	QPSK	50	0	16.04	16.37	16.29	17	0
20	QPSK	50	24	16.06	16.04	16.31		
20	QPSK	50	50	15.98	16.01	16.32		
20	QPSK	100	0	16.14	16.20	16.27		
20	16QAM	1	0	15.96	16.01	16.22	17	0
20	16QAM	1	49	15.96	15.92	16.29		
20	16QAM	1	99	15.86	15.92	16.28		
20	16QAM	50	0	16.15	16.15	16.22	17	0
20	16QAM	50	24	16.10	16.15	16.25		
20	16QAM	50	50	15.99	15.93	16.37		
20	16QAM	100	0	16.16	16.21	16.40		
20	64QAM	1	0	16.09	16.09	16.24	17	0
20	64QAM	1	49	16.01	16.02	16.16		
20	64QAM	1	99	16.05	15.89	16.24		
20	64QAM	50	0	16.10	16.17	16.35	17	0
20	64QAM	50	24	15.95	15.99	16.31		
20	64QAM	50	50	15.96	15.97	16.24		
20	64QAM	100	0	16.12	16.13	16.34		
20	256QAM	1	0	15.24	15.27	15.49	16	1
20	256QAM	1	49	15.20	15.24	15.50		
20	256QAM	1	99	15.14	15.17	15.49		
20	256QAM	50	0	15.32	15.33	15.48	16	1
20	256QAM	50	24	15.21	15.23	15.47		
20	256QAM	50	50	15.22	15.19	15.43		
20	256QAM	100	0	15.07	15.08	15.48		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.23	16.42	16.22	17	0
15	QPSK	1	37	16.19	16.26	16.17		
15	QPSK	1	74	16.41	16.41	16.27		
15	QPSK	36	0	16.06	16.32	16.23	17	0
15	QPSK	36	20	16.03	16.04	16.29		
15	QPSK	36	39	15.97	15.93	16.31		
15	QPSK	75	0	16.13	16.25	16.22		
15	16QAM	1	0	15.91	16.01	16.25	17	0
15	16QAM	1	37	15.93	15.83	16.30		
15	16QAM	1	74	15.87	15.83	16.31		
15	16QAM	36	0	16.06	16.16	16.24	17	0
15	16QAM	36	20	16.09	16.08	16.16		
15	16QAM	36	39	15.99	15.93	16.28		
15	16QAM	75	0	16.18	16.16	16.33		
15	64QAM	1	0	16.00	16.10	16.24	17	0
15	64QAM	1	37	16.00	16.00	16.17		
15	64QAM	1	74	16.04	15.90	16.15		
15	64QAM	36	0	16.08	16.18	16.32	17	0
15	64QAM	36	20	15.92	15.96	16.26		
15	64QAM	36	39	15.94	15.92	16.22		
15	64QAM	75	0	16.11	16.06	16.26		
15	256QAM	1	0	15.19	15.21	15.50	16	1
15	256QAM	1	37	15.15	15.22	15.46		
15	256QAM	1	74	15.07	15.12	15.47		
15	256QAM	36	0	15.30	15.33	15.50	16	1
15	256QAM	36	20	15.23	15.22	15.48		
15	256QAM	36	39	15.19	15.18	15.43		
15	256QAM	75	0	15.02	15.06	15.41		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.33	16.41	16.26	17	0
10	QPSK	1	25	16.22	16.29	16.14		
10	QPSK	1	49	16.39	16.43	16.23		
10	QPSK	25	0	16.03	16.36	16.27	17	0
10	QPSK	25	12	15.98	15.95	16.33		
10	QPSK	25	25	15.93	16.01	16.35		
10	QPSK	50	0	16.11	16.21	16.24		
10	16QAM	1	0	15.96	16.03	16.15	17	0
10	16QAM	1	25	15.99	15.91	16.30		
10	16QAM	1	49	15.83	15.90	16.26		
10	16QAM	25	0	16.15	16.11	16.23	17	0

Band 38 Ant2 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.27	19.29	19.24	20	0
20	QPSK	1	49	19.06	19.22	19.24		
20	QPSK	1	99	18.99	19.15	19.18		
20	QPSK	50	0	19.13	19.25	19.21	20	0
20	QPSK	50	24	19.18	19.22	19.20		
20	QPSK	50	50	19.20	19.22	19.20		
20	QPSK	100	0	19.06	19.16	19.08		
20	16QAM	1	0	19.19	19.25	19.24	20	0
20	16QAM	1	49	19.11	19.23	19.25		
20	16QAM	1	99	19.14	19.20	19.23		
20	16QAM	50	0	19.13	19.21	19.26	20	0
20	16QAM	50	24	19.07	19.15	19.17		
20	16QAM	50	50	19.14	19.22	19.21		
20	16QAM	100	0	18.78	18.92	18.89		
20	64QAM	1	0	19.25	19.27	19.20	20	0
20	64QAM	1	49	19.03	19.19	19.20		
20	64QAM	1	99	18.96	19.17	19.10		
20	64QAM	50	0	18.08	18.23	18.25	19	1
20	64QAM	50	24	18.15	18.21	18.23		
20	64QAM	50	50	18.11	18.17	18.12		
20	64QAM	100	0	17.81	17.90	17.94		
20	256QAM	1	0	16.08	16.21	16.16	17	3
20	256QAM	1	49	16.12	16.18	16.14		
20	256QAM	1	99	16.04	16.20	16.19		
20	256QAM	50	0	16.20	16.25	16.20	17	3
20	256QAM	50	24	16.20	16.24	16.22		
20	256QAM	50	50	16.06	16.17	16.22		
20	256QAM	100	0	16.09	16.23	16.24		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.27	19.22	19.15	20	0
15	QPSK	1	37	19.06	19.21	19.21		
15	QPSK	1	74	18.93	19.18	19.10		
15	QPSK	36	0	19.06	19.26	19.13	20	0
15	QPSK	36	20	19.20	19.21	19.22		
15	QPSK	36	39	19.15	19.20	19.15		
15	QPSK	75	0	19.02	19.12	19.06		
15	16QAM	1	0	19.11	19.24	19.18	20	0
15	16QAM	1	37	19.10	19.17	19.21		
15	16QAM	1	74	19.12	19.21	19.20		
15	16QAM	36	0	19.11	19.19	19.26	20	0
15	16QAM	36	20	19.06	19.17	19.15		
15	16QAM	36	39	19.09	19.21	19.20		
15	16QAM	75	0	18.69	18.84	18.82		
15	64QAM	1	0	19.20	19.21	19.19	20	0
15	64QAM	1	37	19.03	19.19	19.25		
15	64QAM	1	74	18.91	19.07	19.17		
15	64QAM	36	0	18.09	18.26	18.16	19	1
15	64QAM	36	20	18.11	18.23	18.19		
15	64QAM	36	39	18.07	18.20	18.11		
15	64QAM	75	0	17.76	17.90	17.91		
15	256QAM	1	0	16.09	16.20	16.09	17	3
15	256QAM	1	37	16.14	16.12	16.16		
15	256QAM	1	74	15.98	16.15	16.21		
15	256QAM	36	0	16.23	16.25	16.20	17	3
15	256QAM	36	20	16.11	16.26	16.15		
15	256QAM	36	39	15.98	16.13	16.18		
15	256QAM	75	0	16.08	16.17	16.23		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.22	19.26	19.22	20	0
10	QPSK	1	25	19.08	19.17	19.16		
10	QPSK	1	49	18.93	19.17	19.14		
10	QPSK	25	0	19.14	19.26	19.12	20	0
10	QPSK	25	12	19.13	19.23	19.17		
10	QPSK	25	25	19.16	19.19	19.21		
10	QPSK	50	0	19.02	19.15	19.00		
10	16QAM	1	0	19.22	19.23	19.19	20	0
10	16QAM	1	25	19.03	19.18	19.26		
10	16QAM	1	49	19.11	19.21	19.21		
10	16QAM	25	0	19.12	19.16	19.19	20	0
10	16QAM	25	12	19.02	19.06	19.15		
10	16QAM	25	25	19.10	19.23	19.13		
10	16QAM	50	0	18.75	18.89	18.92		
10	64QAM	1	0	19.23	19.26	19.25	20	0
10	64QAM	1	25	19.07	19.20	19.23		
10	64QAM	1	49	19.01	19.11	19.09		
10	64QAM	25	0	18.11	18.19	18.26	19	1
10	64QAM	25	12	18.18	18.22	18.20		
10	64QAM	25	25	18.09	18.19	18.05		
10	64QAM	50	0	17.80	17.83	17.97		
10	256QAM	1	0	15.99	16.24	16.08	17	3
10	256QAM	1	25	16.09	16.11	16.10		
10	256QAM	1	49	15.96	16.19	16.20		
10	256QAM	25	0	16.13	16.16	16.23	17	3
10	256QAM	25	12	16.15	16.25	16.22		
10	256QAM	25	25	16.04	16.15	16.21		
10	256QAM	50	0	16.10	16.22	16.23		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.28	19.21	19.27	20	0
5	QPSK	1	12	19.01	19.24	19.23		
5	QPSK	1	24	18.94	19.07	19.20		
5	QPSK	12	0	19.12	19.18	19.13	20	0
5	QPSK	12	7	19.19	19.23	19.14		
5	QPSK	12	13	19.21	19.23	19.15		
5	QPSK	25	0	19.08	19.17	19.06		
5	16QAM	1	0	19.21	19.26	19.20	20	0
5	16QAM	1	12	19.07	19.20	19.20		
5	16QAM	1	24	19.10	19.19	19.19		
5	16QAM	12	0	19.14	19.21	19.17	20	0
5	16QAM	12	7	18.98	19.18	19.10		
5	16QAM	12	13	19.12	19.15	19.24		
5	16QAM	25	0	18.75	18.91	18.89		
5	64QAM	1	0	19.19	19.21	19.17	20	0
5	64QAM	1	12	18.98	19.20	19.23		
5	64QAM	1	24	19.01	19.08	19.11		
5	64QAM	12	0	18.10	18.21	18.19	19	1
5	64QAM	12	7	18.08	18.19	18.15		
5	64QAM	12	13	18.07	18.15	18.05		
5	64QAM	25	0	17.73	17.88	17.86		
5	256QAM	1	0	16.01	16.19	16.08	17	3
5	256QAM	1	12	16.06	16.18	16.13		
5	256QAM	1	24	15.95	16.15	16.20		
5	256QAM	12	0	16.13	16.16	16.14	17	3
5	256QAM	12	7	16.22	16.25	16.21		
5	256QAM	12	13	16.09	16.18	16.16		
5	256QAM	25	0	16.01	16.25	16.24		

Band 41 Ant2 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.47	19.25	19.52	19.24	19.44	20	0
20	QPSK	1	49	19.46	19.17	19.43	19.16	19.35		
20	QPSK	1	99	19.41	19.11	19.40	19.12	19.39		
20	QPSK	50	0	19.41	19.26	19.50	19.25	19.42	20	0
20	QPSK	50	24	19.44	19.32	19.46	19.21	19.39		
20	QPSK	50	50	19.46	19.19	19.42	19.14	19.40		
20	QPSK	100	0	19.35	19.24	19.50	19.27	19.39		
20	16QAM	1	0	19.47	19.27	19.37	19.11	19.33	20	0
20	16QAM	1	49	19.41	19.24	19.40	19.14	19.36		
20	16QAM	1	99	19.45	19.15	19.37	19.22	19.35		
20	16QAM	50	0	19.42	19.22	19.50	19.32	19.44	20	0
20	16QAM	50	24	19.41	19.31	19.47	19.17	19.48		
20	16QAM	50	50	19.44	19.13	19.37	19.18	19.43		
20	16QAM	100	0	19.42	19.25	19.45	19.26	19.46		
20	64QAM	1	0	19.49	19.26	19.40	19.17	19.35	20	0
20	64QAM	1	49	19.36	19.20	19.33	19.08	19.46		
20	64QAM	1	99	19.51	19.15	19.38	19.18	19.38		
20	64QAM	50	0	18.32	18.25	18.49	18.26	18.34	19	1
20	64QAM	50	24	18.48	18.30	18.42	18.11	18.42		
20	64QAM	50	50	18.37	18.17	18.40	18.14	18.50		
20	64QAM	100	0	18.33	18.23	18.45	18.17	18.43		
20	256QAM	1	0	16.39	16.15	16.46	16.33	16.34	17	3
20	256QAM	1	49	16.52	16.28	16.37	16.15	16.40		
20	256QAM	1	99	16.45	16.17	16.33	16.11	16.47		
20	256QAM	50	0	16.34	16.26	16.44	16.19	16.36	17	3
20	256QAM	50	24	16.44	16.28	16.44	16.21	16.31		
20	256QAM	50	50	16.45	16.19	16.36	16.05	16.44		
20	256QAM	100	0	16.53	16.21	16.43	16.18	16.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.45	19.22	19.51	19.22	19.41	20	0
15	QPSK	1	37	19.43	19.20	19.39	19.12	19.27		
15	QPSK	1	74	19.33	19.13	19.34	19.08	19.32		
15	QPSK	36	0	19.35	19.22	19.46	19.27	19.39	20	0
15	QPSK	36	20	19.46	19.34	19.47	19.19	19.34		
15	QPSK	36	39	19.42	19.21	19.41	19.15	19.36		
15	QPSK	75	0	19.32	19.26	19.49	19.28	19.41		
15	16QAM	1	0	19.39	19.22	19.29	19.09	19.34	20	0
15	16QAM	1	37	19.35	19.18	19.42	19.11	19.27		
15	16QAM	1	74	19.38	19.09	19.29	19.23	19.27		
15	16QAM	36	0	19.41	19.15	19.43	19.32	19.37	20	0
15	16QAM	36	20	19.42	19.28	19.40	19.13	19.44		
15	16QAM	36	39	19.45	19.14	19.36	19.16	19.38		
15	16QAM	75	0	19.38	19.27	19.47	19.26	19.41		
15	64QAM	1	0	19.46	19.19	19.37	19.17	19.31	20	0
15	64QAM	1	37	19.33	19.18	19.29	19.03	19.49		
15	64QAM	1	74	19.48	19.15	19.31	19.11	19.35		
15	64QAM	36	0	18.30	18.21	18.44	18.27	18.31	19	1
15	64QAM	36	20	18.39	18.25	18.41	18.10	18.35		
15	64QAM	36	39	18.39	18.11	18.33	18.13	18.42		
15	64QAM	75	0	18.32	18.21	18.46	18.10	18.41		
15	256QAM	1	0	16.40	16.17	16.48	16.27	16.34	17	3
15	256QAM	1	37	16.47	16.26	16.36	16.14	16.32		
15	256QAM	1	74	16.44	16.13	16.25	16.13	16.43		
15	256QAM	36	0	16.27	16.20	16.46	16.17	16.34	17	3
15	256QAM	36	20	16.35	16.19	16.36	16.15	16.30		
15	256QAM	36	39	16.48	16.14	16.33	16.05	16.40		
15	256QAM	75	0	16.55	16.17	16.44	16.09	16.40		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.46	19.17	19.48	19.24	19.47	20	0
10	QPSK	1	25	19.45	19.16	19.36	19.15	19.33		
10	QPSK	1	49	19.44	19.11	19.42	19.10	19.32		
10	QPSK	25	0	19.44	19.18	19.48	19.21	19.41	20	0
10	QPSK	25	12	19.40	19.32	19.40	19.17	19.42		
10	QPSK	25	25	19.47	19.13	19.35	19.13	19.41		
10	QPSK	50	0	19.37	19.19	19.49	19.23	19.41		
10	16QAM	1	0	19.39	19.20	19.37	19.07	19.31	20	0
10	16QAM	1	25	19.35	19.22	19.42	19.09	19.34		
10	16QAM	1	49	19.38	19.15	19.35	19.24	19.38		
10	16QAM	25	0	19.41	19.21	19.46	19.32	19.44	20	0
10	16QAM	25	12	19.34	19.33	19.47	19.18	19.47		
10	16QAM	25	25	19.44	19.13	19.36	19.14	19.44		
10	16QAM	50	0	19.34	19.23	19.41	19.29	19.40		
10	64QAM	1	0	19.48	19.28	19.39	19.12	19.35	20	0
10	64QAM	1	25	19.37	19.12	19.32	19.03	19.47		
10	64QAM	1	49	19.52	19.17	19.40	19.11	19.36		
10	64QAM	25	0	18.26	18.23	18.46	18.26	18.32	19	1
10	64QAM	25	12	18.39	18.31	18.35	18.03	18.36		
10	64QAM	25	25	18.35	18.08	18.32	18.11	18.51		
10	64QAM	50	0	18.33	18.20	18.45	18.15	18.44		
10	256QAM	1	0	16.38	16.07	16.44	16.31	16.32	17	3
10	256QAM	1	25	16.54	16.27	16.37	16.13	16.33		
10	256QAM	1	49	16.45	16.10	16.28	16.04	16.40		
10	256QAM	25	0	16.27	16.29	16.46	16.13	16.36	17	3
10	256QAM	25	12	16.39	16.31	16.36	16.16	16.32		
10	256QAM	25	25	16.38	16.11	16.37	16.07	16.46		
10	256QAM	50	0	16.48	16.12	16.38	16.14	16.34		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.44	19.23	19.49	19.23	19.43	20	0
5	QPSK	1	12	19.45	19.18	19.44	19.11	19.31		
5	QPSK	1	24	19.40	19.04	19.39	19.08	19.41		
5	QPSK	12	0	19.35	19.21	19.48	19.22	19.42	20	0
5	QPSK	12	7	19.41	19.28	19.44	19.19	19.34		
5	QPSK	12	13	19.45	19.19	19.38	19.16	19.40		
5	QPSK	25	0	19.37	19.16	19.41	19.27	19.42		
5	16QAM	1	0	19.46	19.25	19.33	19.12	19.33	20	0
5	16QAM	1	12	19.33	19.26	19.37	19.11	19.33		
5	16QAM	1	24	19.39	19.11	19.36	19.23	19.33		
5	16QAM	12	0	19.43	19.25	19.46	19.32	19.35	20	0
5	16QAM	12	7	19.42	19.28	19.48	19.16	19.47		
5	16QAM	12	13	19.45	19.09	19.34	19.20	19.40		
5	16QAM	25	0	19.43	19.26	19.36	19.17	19.46		
5	64QAM	1	0	19.48	19.21	19.36	19.18	19.29	20	0
5	64QAM	1	12	19.32	19.19	19.30	19.04	19.49		
5	64QAM	1	24	19.45	19.16	19.36	19.20	19.41		
5	64QAM	12	0	18.33	18.22	18.43	18.23	18.33	19	1
5	64QAM	12	7	18.39	18.24	18.34	18.11	18.45		
5	64QAM	12	13	18.40	18.08	18.32	18.07	18.43		
5	64QAM	25	0	18.33	18.16	18.44	18.15	18.37		
5	256QAM	1	0	16.35	16.13	16.42	16.36	16.32	17	3
5	256QAM	1	12	16.48	16.26	16.29	16.10	16.32		
5	256QAM	1	24	16.41	16.18	16.26	16.14	16.42		
5	256QAM	12	0	16.35	16.26	16.39	16.11	16.33	17	3
5	256QAM	12	7	16.42	16.25	16.38	16.24	16.25		
5	256QAM	12	13	16.44	16.10	16.34	15.97	16.39		
5	256QAM	25	0	16.46	16.21	16.34	16.10	16.39		

Band 2 Ant3 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.24	20.48	20.27	21	0
20	QPSK	1	49	20.20	20.46	20.45		
20	QPSK	1	99	20.19	20.28	20.34		
20	QPSK	50	0	19.98	20.38	20.26	21	0
20	QPSK	50	24	20.02	20.23	20.04		
20	QPSK	50	50	19.98	20.14	20.11		
20	QPSK	100	0	19.99	20.16	20.00		
20	16QAM	1	0	19.67	20.09	19.86	21	0
20	16QAM	1	49	19.73	19.97	19.76		
20	16QAM	1	99	19.59	19.89	19.90		
20	16QAM	50	0	19.92	20.21	20.14	21	0
20	16QAM	50	24	20.02	20.11	20.06		
20	16QAM	50	50	19.98	20.20	19.97		
20	16QAM	100	0	19.77	20.04	20.07		
20	64QAM	1	0	20.15	20.34	20.36	21	0
20	64QAM	1	49	19.93	20.29	20.21		
20	64QAM	1	99	20.11	20.31	20.25		
20	64QAM	50	0	19.80	20.24	20.14	21	0
20	64QAM	50	24	20.08	20.13	19.97		
20	64QAM	50	50	19.93	20.17	20.07		
20	64QAM	100	0	19.77	19.98	20.09		
20	256QAM	1	0	18.48	18.65	18.64	19.5	1.5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	1.5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.34	20.37	20.32	21	0
15	QPSK	1	37	20.26	20.27	20.32		
15	QPSK	1	74	20.12	20.35	20.40		
15	QPSK	36	0	19.96	20.26	20.35	21	0
15	QPSK	36	20	19.93	20.13	20.19		
15	QPSK	36	39	19.85	20.29	20.18		
15	QPSK	75	0	19.85	20.26	20.20		
15	16QAM	1	0	19.67	20.09	19.95	21	0
15	16QAM	1	37	19.60	19.99	19.98		
15	16QAM	1	74	19.65	19.92	19.98		
15	16QAM	36	0	19.99	20.13	20.20	21	0
15	16QAM	36	20	20.00	19.97	19.90		
15	16QAM	36	39	19.95	20.20	20.10		
15	16QAM	75	0	19.86	20.11	20.07		
15	64QAM	1	0	20.09	20.29	20.40	21	0
15	64QAM	1	37	19.98	20.17	20.20		
15	64QAM	1	74	20.17	20.31	20.17		
15	64QAM	36	0	19.86	20.08	20.14	21	0
15	64QAM	36	20	19.89	20.16	20.07		
15	64QAM	36	39	19.91	20.20	20.22		
15	64QAM	75	0	19.89	19.96	19.88		
15	256QAM	1	0	18.41	18.65	18.59	19.5	1.5
15	256QAM	1	37	18.43	18.58	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	1.5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.15	20.32	20.28	21	0
10	QPSK	1	25	20.19	20.42	20.29		
10	QPSK	1	49	20.12	20.24	20.28		
10	QPSK	25	0	19.98	20.28	20.29	21	0
10	QPSK	25	12	19.93	20.14	20.19		
10	QPSK	25	25	19.93	20.26	20.11		
10	QPSK	50	0	19.83	20.10	20.23		
10	16QAM	1	0	19.83	19.91	19.94	21	0
10	16QAM	1	25	19.79	19.96	19.91		
10	16QAM	1	49	19.58	20.06	19.88		
10	16QAM	25	0	20.00	20.01	20.19	21	0
10	16QAM	25	12	19.96	20.03	20.06		
10	16QAM	25	25	19.96	20.22	20.04		
10	16QAM	50	0	19.87	20.13	19.94		
10	64QAM	1	0	20.21	20.23	20.37	21	0
10	64QAM	1	25	20.16	20.32	20.24		
10	64QAM	1	49	20.19	20.34	20.16		
10	64QAM	25	0	19.88	20.05	20.00	21	0
10	64QAM	25	12	20.04	20.20	20.11		
10	64QAM	25	25	20.04	20.06	20.17		
10	64QAM	50	0	19.84	20.10	20.09		
10	256QAM	1	0	18.46	18.56	18.57	19.5	1.5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	1.5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.22	20.34	20.41	21	0
5	QPSK	1	12	20.23	20.41	20.35		
5	QPSK	1	24	20.06	20.23	20.28		
5	QPSK	12	0	19.93	20.25	20.19	21	0
5	QPSK	12	7	20.00	20.23	20.02		
5	QPSK	12	13	19.96	20.25	20.16		
5	QPSK	25	0	19.88	20.24	20.10		
5	16QAM	1	0	19.87	19.88	20.02	21	0
5	16QAM	1	12	19.68	20.00	19.88		
5	16QAM	1	24	19.68	19.94	19.91		
5	16QAM	12	0	19.79	20.14	20.24	21	0
5	16QAM	12	7	19.83	20.01	19.99		
5	16QAM	12	13	19.81	20.20	20.20		
5	16QAM	25	0	19.89	20.08	20.01		
5	64QAM	1	0	20.18	20.33	20.22	21	0
5	64QAM	1	12	20.09	20.15	20.31		
5	64QAM	1	24	20.06	20.16	20.08		
5	64QAM	12	0	19.80	20.17	20.09	21	0
5	64QAM	12	7	19.89	20.21	20.06		
5	64QAM	12	13	19.92	20.05	20.12		
5	64QAM	25	0	19.91	20.02	19.95		
5	256QAM	1	0	18.41	18.58	18.61	19.5	1.5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	1.5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.23	20.37	20.33	21	0
3	QPSK	1	8	20.17	20.44	20.41		
3	QPSK	1	14	20.13	20.26	20.39		
3	QPSK	8	0	20.03	20.29	20.18	21	0
3	QPSK	8	4	19.91	20.23	20.09		
3	QPSK	8	7	19.96	20.13	20.25		
3	QPSK	15	0	19.86	20.26	20.18		
3	16QAM	1	0	19.74	19.91	19.96	21	0
3	16QAM	1	8	19.74	19.90	19.98		
3	16QAM	1	14	19.57	20.00	19.97		
3	16QAM	8	0	19.95	20.20	20.09	21	0
3	16QAM	8	4	19.86	20.15	20.12		
3	16QAM	8	7	19.98	20.02	20.02		
3	16QAM	15	0	19.96	20.15	20.03		
3	64QAM	1	0	20.18	20.28	20.33	21	0
3	64QAM	1	8	20.02	20.15	20.31		
3	64QAM	1	14	20.16	20.24	20.23		
3	64QAM	8	0	19.82	20.25	19.97	21	0
3	64QAM	8	4	19.99	20.10	20.01		
3	64QAM	8	7	20.01	20.04	20.15		
3	64QAM	15	0	19.94	20.01	20.07		
3	256QAM	1	0	18.45	18.58	18.62	19.5	1.5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	1.5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.23	20.32	20.39	21	0
1.4	QPSK	1	3	20.30	20.37	20.46		
1.4	QPSK	1	5	20.02	20.35	20.29		
1.4	QPSK	3	0	20.10	20.21	20.19		
1.4	QPSK	3	1	19.91	20.16	20.22		
1.4	QPSK	3	3	20.02	20.16	20.15		
1.4	QPSK	6	0	20.01	20.13	20.23	21	0
1.4	16QAM	1	0	19.70	19.90	19.97	21	0
1.4	16QAM	1	3	19.75	19.92	19.79		
1.4	16QAM	1	5	19.75	19.83	19.86		
1.4	16QAM	3	0	19.88	20.11	20.21		
1.4	16QAM	3	1	19.89	20.00	19.90		
1.4	16QAM	3	3	19.75	20.12	20.00		
1.4	16QAM	6	0	19.90	20.11	19.93	21	0
1.4	64QAM	1	0	20.01	20.31	20.30	21	0
1.4	64QAM	1	3	19.94	20.14	20.30		
1.4	64QAM	1	5	20.16	20.16	20.20		
1.4	64QAM	3	0	19.93	20.08	20.11		
1.4	64QAM	3	1	19.99	20.17	20.03		
1.4	64QAM	3	3	19.91	20.20	20.20		
1.4	64QAM	6	0	19.78	20.15	19.94	21	0
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	1.5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	1.5

Band 7 Ant3 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.53	19.61	19.55	20.5	0
20	QPSK	1	49	19.19	19.47	19.42		
20	QPSK	1	99	19.34	19.42	19.31		
20	QPSK	50	0	19.24	19.51	19.46	20.5	0
20	QPSK	50	24	19.18	19.28	19.25		
20	QPSK	50	50	19.21	19.21	19.21		
20	QPSK	100	0	19.22	19.24	19.22		
20	16QAM	1	0	19.09	19.21	19.16	20.5	0
20	16QAM	1	49	18.99	19.21	19.14		
20	16QAM	1	99	19.18	19.22	19.19		
20	16QAM	50	0	19.11	19.40	19.24	20.5	0
20	16QAM	50	24	19.09	19.34	19.16		
20	16QAM	50	50	19.01	19.26	19.24		
20	16QAM	100	0	19.15	19.34	19.34		
20	64QAM	1	0	19.39	19.38	19.38	20.5	0
20	64QAM	1	49	19.27	19.35	19.34		
20	64QAM	1	99	19.36	19.39	19.45		
20	64QAM	50	0	19.09	19.34	19.11	20.5	0
20	64QAM	50	24	19.02	19.32	19.29		
20	64QAM	50	50	19.15	19.21	19.08		
20	64QAM	100	0	19.27	19.35	19.41		
20	256QAM	1	0	18.40	18.56	18.54	19.5	1
20	256QAM	1	49	18.36	18.49	18.46		
20	256QAM	1	99	18.35	18.52	18.49		
20	256QAM	50	0	18.42	18.52	18.47	19.5	1
20	256QAM	50	24	18.38	18.57	18.52		
20	256QAM	50	50	18.39	18.52	18.45		
20	256QAM	100	0	18.43	18.59	18.54		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.42	19.45	19.49	20.5	0
15	QPSK	1	37	19.35	19.44	19.53		
15	QPSK	1	74	19.30	19.45	19.28		
15	QPSK	36	0	19.19	19.32	19.39	20.5	0
15	QPSK	36	20	19.18	19.45	19.35		
15	QPSK	36	39	19.20	19.37	19.22		
15	QPSK	75	0	19.06	19.25	19.24		
15	16QAM	1	0	19.17	19.38	19.21	20.5	0
15	16QAM	1	37	19.14	19.21	19.21		
15	16QAM	1	74	19.28	19.25	19.18		
15	16QAM	36	0	19.16	19.32	19.28	20.5	0
15	16QAM	36	20	19.11	19.18	19.15		
15	16QAM	36	39	19.20	19.27	19.27		
15	16QAM	75	0	19.07	19.35	19.27		
15	64QAM	1	0	19.38	19.51	19.38	20.5	0
15	64QAM	1	37	19.18	19.52	19.42		
15	64QAM	1	74	19.26	19.33	19.42		
15	64QAM	36	0	19.05	19.33	19.08	20.5	0
15	64QAM	36	20	19.02	19.37	19.35		
15	64QAM	36	39	19.13	19.26	19.03		
15	64QAM	75	0	19.20	19.26	19.24		
15	256QAM	1	0	18.33	18.52	18.55	19.5	1
15	256QAM	1	37	18.36	18.40	18.39		
15	256QAM	1	74	18.32	18.46	18.51		
15	256QAM	36	0	18.44	18.47	18.47	19.5	1
15	256QAM	36	20	18.40	18.59	18.54		
15	256QAM	36	39	18.40	18.49	18.37		
15	256QAM	75	0	18.35	18.51	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.40	19.42	19.39	20.5	0
10	QPSK	1	25	19.27	19.40	19.36		
10	QPSK	1	49	19.17	19.46	19.44		
10	QPSK	25	0	19.23	19.46	19.33	20.5	0
10	QPSK	25	12	19.10	19.38	19.19		
10	QPSK	25	25	19.10	19.27	19.30		
10	QPSK	50	0	19.11	19.41	19.38		
10	16QAM	1	0	19.07	19.37	19.22	20.5	0
10	16QAM	1	25	19.18	19.11	19.19		
10	16QAM	1	49	19.15	19.30	19.27		
10	16QAM	25	0	19.23	19.25	19.22	20.5	0
10	16QAM	25	12	19.06	19.27	19.17		
10	16QAM	25	25	19.22	19.31	19.19		
10	16QAM	50	0	19.02	19.21	19.18		
10	64QAM	1	0	19.23	19.46	19.27	20.5	0
10	64QAM	1	25	19.18	19.40	19.52		
10	64QAM	1	49	19.27	19.34	19.36		
10	64QAM	25	0	19.18	19.18	19.09	20.5	0
10	64QAM	25	12	19.00	19.15	19.23		
10	64QAM	25	25	19.04	19.10	19.20		
10	64QAM	50	0	19.24	19.42	19.19		
10	256QAM	1	0	18.33	18.55	18.45	19.5	1
10	256QAM	1	25	18.37	18.49	18.37		
10	256QAM	1	49	18.29	18.48	18.49		
10	256QAM	25	0	18.44	18.44	18.48	19.5	1
10	256QAM	25	12	18.36	18.53	18.51		
10	256QAM	25	25	18.38	18.47	18.42		
10	256QAM	50	0	18.35	18.62	18.51		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.38	19.43	19.49	20.5	0
5	QPSK	1	12	19.30	19.42	19.37		
5	QPSK	1	24	19.12	19.47	19.27		
5	QPSK	12	0	19.25	19.33	19.42	20.5	0
5	QPSK	12	7	19.30	19.46	19.25		
5	QPSK	12	13	19.05	19.38	19.32		
5	QPSK	25	0	19.19	19.21	19.25		
5	16QAM	1	0	19.28	19.25	19.25	20.5	0
5	16QAM	1	12	19.17	19.22	19.26		
5	16QAM	1	24	19.16	19.19	19.12		
5	16QAM	12	0	19.14	19.39	19.16	20.5	0
5	16QAM	12	7	19.10	19.19	19.18		
5	16QAM	12	13	19.01	19.13	19.04		
5	16QAM	25	0	19.08	19.16	19.15		
5	64QAM	1	0	19.34	19.40	19.41	20.5	0
5	64QAM	1	12	19.17	19.42	19.39		
5	64QAM	1	24	19.16	19.44	19.36		
5	64QAM	12	0	19.06	19.28	19.25	20.5	0
5	64QAM	12	7	19.06	19.26	19.13		
5	64QAM	12	13	19.11	19.18	19.06		
5	64QAM	25	0	19.08	19.39	19.33		
5	256QAM	1	0	18.34	18.49	18.52	19.5	1
5	256QAM	1	12	18.31	18.45	18.46		
5	256QAM	1	24	18.32	18.49	18.48		
5	256QAM	12	0	18.42	18.46	18.43	19.5	1
5	256QAM	12	7	18.36	18.52	18.46		
5	256QAM	12	13	18.35	18.52	18.38		
5	256QAM	25	0	18.41	18.53	18.53		

Band 7 Ant3 DSI3 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.42	19.64	19.49	20.5	0
20	QPSK	1	49	19.24	19.44	19.37		
20	QPSK	1	99	19.37	19.51	19.36		
20	QPSK	50	0	19.35	19.50	19.36	20.5	0
20	QPSK	50	24	19.19	19.41	19.18		
20	QPSK	50	50	19.12	19.31	19.35		
20	QPSK	100	0	19.12	19.41	19.33		
20	16QAM	1	0	19.20	19.24	19.23	20.5	0
20	16QAM	1	49	19.08	19.25	19.16		
20	16QAM	1	99	19.18	19.32	19.23		
20	16QAM	50	0	19.19	19.25	19.35	20.5	0
20	16QAM	50	24	19.25	19.40	19.10		
20	16QAM	50	50	19.07	19.33	19.14		
20	16QAM	100	0	19.11	19.31	19.32		
20	64QAM	1	0	19.35	19.51	19.40	20.5	0
20	64QAM	1	49	19.39	19.37	19.51		
20	64QAM	1	99	19.32	19.50	19.40		
20	64QAM	50	0	19.19	19.19	19.15	20.5	0
20	64QAM	50	24	19.07	19.25	19.32		
20	64QAM	50	50	19.05	19.25	19.05		
20	64QAM	100	0	19.17	19.44	19.39		
20	256QAM	1	0	18.55	18.66	18.62	19.5	1
20	256QAM	1	49	18.58	18.63	18.60		
20	256QAM	1	99	18.52	18.56	18.55		
20	256QAM	50	0	18.57	18.62	18.55	19.5	1
20	256QAM	50	24	18.66	18.60	18.66		
20	256QAM	50	50	18.51	18.47	18.59		
20	256QAM	100	0	18.48	18.53	18.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.34	19.47	19.43	20.5	0
15	QPSK	1	37	19.27	19.41	19.34		
15	QPSK	1	74	19.10	19.34	19.43		
15	QPSK	36	0	19.28	19.35	19.40	20.5	0
15	QPSK	36	20	19.16	19.44	19.33		
15	QPSK	36	39	19.09	19.27	19.14		
15	QPSK	75	0	19.16	19.24	19.27		
15	16QAM	1	0	19.10	19.22	19.28	20.5	0
15	16QAM	1	37	18.93	19.22	19.11		
15	16QAM	1	74	19.07	19.15	19.27		
15	16QAM	36	0	19.16	19.30	19.24	20.5	0
15	16QAM	36	20	19.06	19.19	19.06		
15	16QAM	36	39	19.08	19.23	19.12		
15	16QAM	75	0	19.00	19.28	19.19		
15	64QAM	1	0	19.26	19.47	19.29	20.5	0
15	64QAM	1	37	19.26	19.47	19.31		
15	64QAM	1	74	19.31	19.29	19.34		
15	64QAM	36	0	19.13	19.25	19.12	20.5	0
15	64QAM	36	20	19.02	19.34	19.12		
15	64QAM	36	39	18.94	19.16	19.03		
15	64QAM	75	0	19.11	19.26	19.38		
15	256QAM	1	0	18.51	18.64	18.61	19.5	1
15	256QAM	1	37	18.50	18.59	18.54		
15	256QAM	1	74	18.46	18.48	18.51		
15	256QAM	36	0	18.54	18.61	18.51	19.5	1
15	256QAM	36	20	18.59	18.63	18.65		
15	256QAM	36	39	18.43	18.39	18.56		
15	256QAM	75	0	18.42	18.55	18.46		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.49	19.41	19.51	20.5	0
10	QPSK	1	25	19.12	19.44	19.41		
10	QPSK	1	49	19.26	19.28	19.34		
10	QPSK	25	0	19.12	19.28	19.43	20.5	0
10	QPSK	25	12	19.19	19.27	19.29		
10	QPSK	25	25	19.06	19.14	19.29		
10	QPSK	50	0	19.04	19.25	19.17		
10	16QAM	1	0	19.20	19.24	19.22	20.5	0
10	16QAM	1	25	18.96	19.10	19.14		
10	16QAM	1	49	19.08	19.15	19.24		
10	16QAM	25	0	19.22	19.20	19.26	20.5	0
10	16QAM	25	12	19.12	19

Band 38 Ant3 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.75	20.10	19.90	20.5	0
20	QPSK	1	49	19.87	19.89	19.84		
20	QPSK	1	99	19.44	19.53	19.29		
20	QPSK	50	0	19.70	19.83	19.66	20.5	0
20	QPSK	50	24	19.82	19.77	19.66		
20	QPSK	50	50	19.70	19.79	19.67		
20	QPSK	100	0	19.76	19.88	19.64		
20	16QAM	1	0	19.58	19.66	19.64	20.5	0
20	16QAM	1	49	19.64	19.79	19.60		
20	16QAM	1	99	19.45	19.57	19.50		
20	16QAM	50	0	19.54	19.70	19.74	20.5	0
20	16QAM	50	24	19.57	19.85	19.76		
20	16QAM	50	50	19.74	19.73	19.70		
20	16QAM	100	0	19.72	19.95	19.71		
20	64QAM	1	0	19.79	19.97	19.84	20.5	0
20	64QAM	1	49	19.77	19.81	19.80		
20	64QAM	1	99	19.84	19.83	19.82		
20	64QAM	50	0	19.82	19.79	19.75	20.5	0
20	64QAM	50	24	19.68	19.75	19.67		
20	64QAM	50	50	19.58	19.83	19.76		
20	64QAM	100	0	19.81	19.83	19.73		
20	256QAM	1	0	19.24	19.39	19.33	20	0.5
20	256QAM	1	49	19.25	19.38	19.23		
20	256QAM	1	99	19.31	19.38	19.25		
20	256QAM	50	0	19.29	19.42	19.27	20	0.5
20	256QAM	50	24	19.24	19.38	19.24		
20	256QAM	50	50	19.34	19.41	19.35		
20	256QAM	100	0	19.40	19.46	19.31		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.69	19.86	19.88	20.5	0
15	QPSK	1	37	19.93	19.91	19.85		
15	QPSK	1	74	19.46	19.47	19.46		
15	QPSK	36	0	19.83	19.93	19.72	20.5	0
15	QPSK	36	20	19.62	19.82	19.76		
15	QPSK	36	39	19.57	19.73	19.57		
15	QPSK	75	0	19.62	19.85	19.65		
15	16QAM	1	0	19.54	19.63	19.66	20.5	0
15	16QAM	1	37	19.45	19.75	19.50		
15	16QAM	1	74	19.61	19.59	19.58		
15	16QAM	36	0	19.63	19.72	19.64	20.5	0
15	16QAM	36	20	19.60	19.88	19.65		
15	16QAM	36	39	19.72	19.90	19.59		
15	16QAM	75	0	19.60	19.82	19.74		
15	64QAM	1	0	19.69	19.89	19.83	20.5	0
15	64QAM	1	37	19.82	19.88	19.71		
15	64QAM	1	74	19.80	19.87	19.74		
15	64QAM	36	0	19.64	19.78	19.65	20.5	0
15	64QAM	36	20	19.70	19.65	19.56		
15	64QAM	36	39	19.72	19.82	19.74		
15	64QAM	75	0	19.69	19.80	19.82		
15	256QAM	1	0	19.24	19.36	19.27	20	0.5
15	256QAM	1	37	19.27	19.35	19.21		
15	256QAM	1	74	19.29	19.36	19.24		
15	256QAM	36	0	19.29	19.42	19.20	20	0.5
15	256QAM	36	20	19.16	19.39	19.26		
15	256QAM	36	39	19.29	19.36	19.30		
15	256QAM	75	0	19.32	19.48	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.90	19.94	19.76	20.5	0
10	QPSK	1	25	19.85	19.97	19.84		
10	QPSK	1	49	19.43	19.39	19.31		
10	QPSK	25	0	19.75	19.91	19.70	20.5	0
10	QPSK	25	12	19.82	19.73	19.73		
10	QPSK	25	25	19.68	19.79	19.64		
10	QPSK	50	0	19.60	19.79	19.72		
10	16QAM	1	0	19.47	19.62	19.47	20.5	0
10	16QAM	1	25	19.68	19.64	19.60		
10	16QAM	1	49	19.52	19.69	19.60		
10	16QAM	25	0	19.63	19.69	19.66	20.5	0
10	16QAM	25	12	19.74	19.66	19.61		
10	16QAM	25	25	19.71	19.84	19.61		
10	16QAM	50	0	19.73	19.90	19.76		
10	64QAM	1	0	19.74	19.98	19.70	20.5	0
10	64QAM	1	25	19.75	19.88	19.82		
10	64QAM	1	49	19.73	19.95	19.77		
10	64QAM	25	0	19.66	19.84	19.54	20.5	0
10	64QAM	25	12	19.69	19.74	19.70		
10	64QAM	25	25	19.59	19.84	19.52		
10	64QAM	50	0	19.90	19.81	19.74		
10	256QAM	1	0	19.23	19.42	19.35	20	0.5
10	256QAM	1	25	19.27	19.38	19.25		
10	256QAM	1	49	19.32	19.35	19.16		
10	256QAM	25	0	19.24	19.42	19.24	20	0.5
10	256QAM	25	12	19.26	19.41	19.26		
10	256QAM	25	25	19.26	19.34	19.36		
10	256QAM	50	0	19.41	19.46	19.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.88	20.01	19.89	20.5	0
5	QPSK	1	12	19.84	19.93	19.93		
5	QPSK	1	24	19.41	19.39	19.30		
5	QPSK	12	0	19.80	19.86	19.71	20.5	0
5	QPSK	12	7	19.81	19.85	19.74		
5	QPSK	12	13	19.67	19.71	19.69		
5	QPSK	25	0	19.59	19.74	19.69		
5	16QAM	1	0	19.67	19.55	19.49	20.5	0
5	16QAM	1	12	19.62	19.65	19.63		
5	16QAM	1	24	19.62	19.46	19.37		
5	16QAM	12	0	19.69	19.70	19.77	20.5	0
5	16QAM	12	7	19.74	19.77	19.59		
5	16QAM	12	13	19.75	19.74	19.72		
5	16QAM	25	0	19.60	19.83	19.84		
5	64QAM	1	0	19.87	19.93	19.83	20.5	0
5	64QAM	1	12	19.72	19.79	19.76		
5	64QAM	1	24	19.64	19.78	19.74		
5	64QAM	12	0	19.79	19.76	19.68	20.5	0
5	64QAM	12	7	19.59	19.77	19.68		
5	64QAM	12	13	19.56	19.72	19.65		
5	64QAM	25	0	19.83	19.83	19.76		
5	256QAM	1	0	19.21	19.36	19.27	20	0.5
5	256QAM	1	12	19.22	19.36	19.23		
5	256QAM	1	24	19.27	19.32	19.19		
5	256QAM	12	0	19.20	19.38	19.21	20	0.5
5	256QAM	12	7	19.22	19.40	19.20		
5	256QAM	12	13	19.30	19.34	19.29		
5	256QAM	25	0	19.38	19.44	19.22		

Band 41 Ant3 DSI3 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.73	19.67	20.17	19.76	19.98	20.5	0
20	QPSK	1	49	19.70	19.82	20.02	19.72	19.83		
20	QPSK	1	99	19.76	19.75	19.99	19.80	19.97		
20	QPSK	50	0	19.83	19.83	20.15	19.68	19.98	20.5	0
20	QPSK	50	24	19.63	19.60	20.10	19.64	19.91		
20	QPSK	50	50	19.63	19.75	20.10	19.62	20.03		
20	QPSK	100	0	19.84	19.79	19.99	19.75	19.97		
20	16QAM	1	0	19.64	19.60	19.98	19.68	19.85	20.5	0
20	16QAM	1	49	19.67	19.72	19.91	19.70	19.85		
20	16QAM	1	99	19.85	19.66	20.14	19.62	19.92		
20	16QAM	50	0	19.79	19.75	19.89	19.73	19.81	20.5	0
20	16QAM	50	24	19.76	19.79	20.00	19.62	19.69		
20	16QAM	50	50	19.72	19.68	20.02	19.59	20.05		
20	16QAM	100	0	19.88	19.62	20.01	19.55	19.89		
20	64QAM	1	0	19.79	19.58	19.88	19.72	19.86	20.5	0
20	64QAM	1	49	19.70	19.70	19.94	19.67	19.73		
20	64QAM	1	99	19.64	19.61	20.13	19.58	20.01		
20	64QAM	50	0	19.72	19.70	19.93	19.78	19.80	20.5	0
20	64QAM	50	24	19.53	19.62	19.98	19.65	19.80		
20	64QAM	50	50	19.78	19.59	19.92	19.54	19.92		
20	64QAM	100	0	19.91	19.71	20.02	19.72	19.97		
20	256QAM	1	0	19.22	19.19	19.47	19.22	19.36	20	0.5
20	256QAM	1	49	19.04	19.16	19.41	19.13	19.24		
20	256QAM	1	99	19.16	19.14	19.49	19.11	19.36		
20	256QAM	50	0	19.18	19.21	19.59	19.07	19.37	20	0.5
20	256QAM	50	24	19.16	19.11	19.47	19.19	19.26		
20	256QAM	50	50	19.17	19.11	19.40	19.16	19.30		
20	256QAM	100	0	19.13	19.15	19.54	19.11	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.56	19.54	19.93	19.50	19.65	21	0
15	QPSK	1	37	19.55	19.50	19.88	19.39	19.62		
15	QPSK	1	74	19.52	19.48	19.87	19.61	19.66		
15	QPSK	36	0	19.54	19.67	19.88	19.58	19.86	20.5	0
15	QPSK	36	20	19.47	19.62	19.72	19.50	19.69		
15	QPSK	36	39	19.46	19.48	19.84	19.60	19.68		
15	QPSK	75	0	19.72	19.70	19.86	19.50	19.78		
15	16QAM	1	0	19.51	19.54	19.87	19.43	19.74	20.5	0
15	16QAM	1	37	19.46	19.63	19.74	19.51	19.70		
15	16QAM	1	74	19.63	19.38	19.90	19.50	19.66		
15	16QAM	36	0	19.68	19.55	19.97	19.62	19.67	20.5	0
15	16QAM	36	20	19.55	19.48	19.77	19.54	19.70		
15	16QAM	36	39	19.59	19.44	19.83	19.60	19.89		
15	16QAM	75	0	19.54	19.62	19.88	19.37	19.73		
15	64QAM	1	0	19.56	19.54	19.71	19.39	19.71	20.5	0
15	64QAM	1	37	19.48	19.43	19.81	19.59	19.55		
15	64QAM	1	74	19.57	19.46	19.91	19.55	19.76		
15	64QAM	36	0	19.57	19.57	19.84	19.63	19.85	20.5	0
15	64QAM	36	20	19.52	19.60	19.86	19.44	19.64		
15	64QAM	36	39	19.50	19.57	19.87	19.51	19.76		
15	64QAM	75	0	19.61	19.55	19.93	19.46	19.74		
15	256QAM	1	0	19.25	19.15	19.43	19.14	19.29	20	0.5
15	256QAM	1	37	18.97	19.07	19.40	19.15	19.16		
15	256QAM	1	74	19.14	19.06	19.49	19.12	19.34		
15	256QAM	36	0	19.10	19.17	19.53	19.00	19.35	20	0.5
15	256QAM	36	20	19.17	19.03	19.41	19.11	19.22		
15	256QAM	36	39	19.11	19.05	19.32	19.13	19.28		
15	256QAM	75	0	19.12	19.17	19.56	19.03	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.64	19.47	19.96	19.54	19.66	21	0
10	QPSK	1	25	19.59	19.45	19.84	19.47	19.80		
10	QPSK	1	49	19.51	19.62	20.02	19.43	19.62		
10	QPSK	25	0	19.53	19.65	19.83	19.65	19.73	20.5	0
10	QPSK	25	12	19.54	19.63	19.78	19.44	19.70		
10	QPSK	25	25	19.51	19.46	19.97	19.50	19.73		
10	QPSK	50	0	19.57	19.62	19.91	19.47	19.88		
10	16QAM	1	0	19.48	19.46	19.89	19.48	19.66	20.5	0
10	16QAM	1	25	19.54	19.55	19.77	19.62	19.70		
10	16QAM	1	49	19.68	19.41	19.84	19.61	19.67		
10	16QAM	25	0	19.65	19.64	19.80	19.63	19.78	20.5	0
10	16QAM	25	12	19.50	19.43	19.75	19.48	19.63		
10	16QAM	25	25	19.61	19.60	19.94	19.54	19.81		
10	16QAM	50	0	19.75	19.61	19.93	19.55	19.61		
10	64QAM	1	0	19.56	19.47	19.88	19.39	19.70	20.5	0
10	64QAM	1	25	19.38	19.40	19.79	19.53	19.55		
10	64QAM	1	49	19.65	19.41	19.90	19.59	19.71		
10	64QAM	25	0	19.71	19.62	19.92	19.60	19.83	20.5	0
10	64QAM	25	12	19.32	19.49	19.70	19.64	19.71		
10	64QAM	25	25	19.55	19.57	19.77	19.37	19.75		
10	64QAM	50	0	19.67	19.68	19.83	19.50	19.71		
10	256QAM	1	0	19.14	19.12	19.39	19.15	19.28	20	0.5
10	256QAM	1	25	19.06	19.15	19.44	19.06	19.22		
10	256QAM	1	49	19.13	19.13	19.46	19.02	19.37		
10	256QAM	25	0	19.17	19.23	19.58	19.03	19.34	20	0.5
10	256QAM	25	12	19.11	19.04	19.42	19.21	19.26		
10	256QAM	25	25	19.17	19.13	19.39	19.16	19.27		
10	256QAM	50	0	19.10	19.11	19.45	19.06	19.33		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.69	19.48	19.95	19.46	19.70	21	0
5	QPSK	1	12	19.42	19.48	19.77	19.61	19.59		
5	QPSK	1	24	19.58	19.52	19.93	19.61	19.80		
5	QPSK	12	0	19.51	19.64	19.84	19.49	19.75	20.5	0
5	QPSK	12	7	19.46	19.49	19.92	19.54	19.61		
5	QPSK	12	13	19.47	19.58	19.94	19.60	19.66		
5	QPSK	25	0	19.70	19.56	19.95	19.59	19.90		
5	16QAM	1	0	19.58	19.62	19.94	19.45	19.73	20.5	0
5	16QAM	1	12	19.60	19.66	19.75	19.64	19.71		
5	16QAM	1	24	19.53	19.39	19.96	19.51	19.73		
5	16QAM	12	0	19.66	19.62	19.91	19.68	19.84	20.5	0
5	16QAM	12	7	19.54	19.54	19.88	19.46	19.64		
5	16QAM	12	13	19.53	19.63	19.95	19.51	19.74		
5	16QAM	25	0	19.70	19.46	19.99	19.37	19.74		
5	64QAM	1	0	19.68	19.59	19.90	19.47	19.83	20.5	0
5	64QAM	1	12	19.47	19.39	19.76	19.57	19.55		
5	64QAM	1	24	19.63	19.52	20.01	19.39	19.68		
5	64QAM	12	0	19.62	19.58	19.99	19.65	19.81	20.5	0
5	64QAM	12	7	19.39	19.59	19.78	19.59	19.64		
5	64QAM	12	13	19.43	19.42	19.88	19.41	19.84		
5	64QAM	25	0	19.71	19.57	20.00	19.57	19.81		
5	256QAM	1	0	19.16	19.14	19.46	19.21	19.37	20	0.5
5	256QAM	1	12	19.00	19.16	19.33	19.10	19.15		
5	256QAM	1	24	19.19	19.11	19.46	19.11	19.29		
5	256QAM	12	0	19.17	19.22	19.51	19.08	19.37	20	0.5
5	256QAM	12	7	19.19	19.09	19.42	19.22	19.27		
5	256QAM	12	13	19.12	19.06	19.43	19.09	19.28		
5	256QAM	25	0	19.08	19.15	19.49	19.09	19.26		

Reduced Power NSA Mode for DSI4

Band 7 Ant2 DSI4 Main PA-1 for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.53	22.69	22.59		
20	QPSK	1	49	22.45	22.60	22.53	23.5	0
20	QPSK	1	99	22.36	22.48	22.49		
20	QPSK	50	0	22.00	22.11	22.01		
20	QPSK	50	24	21.96	22.08	22.02	23.5	0
20	QPSK	50	50	22.03	22.05	22.02		
20	QPSK	100	0	22.04	22.07	22.02		
20	16QAM	1	0	21.91	21.99	21.98		
20	16QAM	1	49	21.93	21.99	21.96	23.5	0
20	16QAM	1	99	21.92	21.97	21.92		
20	16QAM	50	0	22.07	22.10	22.03		
20	16QAM	50	24	21.93	21.98	21.98	23.5	0
20	16QAM	50	50	21.95	22.00	21.96		
20	16QAM	100	0	22.06	22.04	22.00		
20	64QAM	1	0	21.98	22.00	22.03		
20	64QAM	1	49	21.97	21.94	21.91	23.5	0
20	64QAM	1	99	22.02	22.04	21.97		
20	64QAM	50	0	21.04	21.13	21.02		
20	64QAM	50	24	20.89	20.99	21.03	22.5	1
20	64QAM	50	50	20.98	20.99	20.97		
20	64QAM	100	0	20.99	21.01	21.00		
20	256QAM	1	0	19.01	19.08	19.04		
20	256QAM	1	49	18.92	19.02	19.04	20.5	3
20	256QAM	1	99	18.98	19.10	19.02		
20	256QAM	50	0	19.01	19.03	18.99		
20	256QAM	50	24	18.93	19.00	19.00	20.5	3
20	256QAM	50	50	18.93	18.94	18.95		
20	256QAM	100	0	19.03	18.99	18.94		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2582.5		
15	QPSK	1	0	22.51	22.64	22.53		
15	QPSK	1	37	22.45	22.58	22.50	23.5	0
15	QPSK	1	74	22.30	22.46	22.41		
15	QPSK	36	0	21.93	22.11	21.99		
15	QPSK	36	20	21.87	22.08	21.98	23.5	0
15	QPSK	36	39	22.00	22.04	21.96		
15	QPSK	75	0	21.97	22.05	21.98		
15	16QAM	1	0	21.82	21.97	21.90		
15	16QAM	1	37	21.89	21.99	21.91	23.5	0
15	16QAM	1	74	21.85	21.98	21.92		
15	16QAM	36	0	22.08	22.08	22.00		
15	16QAM	36	20	21.95	21.98	21.97	23.5	0
15	16QAM	36	39	21.95	21.98	21.95		
15	16QAM	75	0	21.98	22.00	21.97		
15	64QAM	1	0	21.96	22.02	22.04		
15	64QAM	1	37	21.94	21.94	21.91	23.5	0
15	64QAM	1	74	21.98	22.00	21.94		
15	64QAM	36	0	20.98	21.07	21.03		
15	64QAM	36	20	20.89	20.98	21.01	22.5	1
15	64QAM	36	39	20.97	20.97	21.00		
15	64QAM	75	0	20.91	21.03	20.95		
15	256QAM	1	0	18.94	19.09	19.03		
15	256QAM	1	37	18.84	18.94	18.98	20.5	3
15	256QAM	1	74	18.89	19.01	18.95		
15	256QAM	36	0	18.95	18.96	18.96		
15	256QAM	36	20	18.95	18.99	19.01	20.5	3
15	256QAM	36	39	18.93	18.92	18.90		
15	256QAM	75	0	18.98	18.97	18.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.55	22.64	22.51		
10	QPSK	1	25	22.42	22.58	22.54	23.5	0
10	QPSK	1	49	22.30	22.50	22.47		
10	QPSK	25	0	22.01	22.08	22.02		
10	QPSK	25	12	21.92	22.03	21.98	23.5	0
10	QPSK	25	25	21.97	22.02	21.96		
10	QPSK	50	0	22.05	22.08	22.04		
10	16QAM	1	0	21.89	22.00	21.99		
10	16QAM	1	25	21.89	21.90	21.91	23.5	0
10	16QAM	1	49	21.91	21.92	21.87		
10	16QAM	25	0	22.06	22.06	21.96		
10	16QAM	25	12	21.89	21.91	21.90	23.5	0
10	16QAM	25	25	21.92	22.01	21.91		
10	16QAM	50	0	22.03	22.00	21.93		
10	64QAM	1	0	21.94	22.00	22.04		
10	64QAM	1	25	21.93	21.89	21.89	23.5	0
10	64QAM	1	49	21.96	22.05	21.98		
10	64QAM	25	0	21.01	21.05	20.98		
10	64QAM	25	12	20.88	20.95	21.02	22.5	1
10	64QAM	25	25	20.97	21.01	20.94		
10	64QAM	50	0	20.97	20.92	21.00		
10	256QAM	1	0	18.92	19.03	18.98		
10	256QAM	1	25	18.85	18.95	19.00	20.5	3
10	256QAM	1	49	18.99	19.07	19.04		
10	256QAM	25	0	18.98	19.03	18.99		
10	256QAM	25	12	18.89	18.96	19.02	20.5	3
10	256QAM	25	25	18.84	18.93	18.95		
10	256QAM	50	0	19.03	19.01	18.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.46	22.65	22.51		
5	QPSK	1	12	22.40	22.56	22.48	23.5	0
5	QPSK	1	24	22.30	22.41	22.51		
5	QPSK	12	0	21.96	22.09	21.96		
5	QPSK	12	7	21.92	21.99	22.00	23.5	0
5	QPSK	12	13	22.01	21.99	21.95		
5	QPSK	25	0	22.01	22.09	21.96		
5	16QAM	1	0	21.87	21.95	21.96		
5	16QAM	1	12	21.94	21.92	21.89	23.5	0
5	16QAM	1	24	21.87	21.94	21.86		
5	16QAM	12	0	22.10	22.08	22.02		
5	16QAM	12	7	21.92	21.94	21.95	23.5	0
5	16QAM	12	13	21.92	21.93	21.94		
5	16QAM	25	0	22.02	21.99	22.02		
5	64QAM	1	0	22.01	21.93	22.02		
5	64QAM	1	12	21.99	21.93	21.94	23.5	0
5	64QAM	1	24	21.98	22.04	21.89		
5	64QAM	12	0	21.05	21.12	20.99		
5	64QAM	12	7	20.90	20.93	20.95	22.5	1
5	64QAM	12	13	20.91	21.00	20.93		
5	64QAM	25	0	20.90	20.93	21.00		
5	256QAM	1	0	18.99	19.06	18.96		
5	256QAM	1	12	18.94	19.02	19.00	20.5	3
5	256QAM	1	24	18.97	19.08	18.95		
5	256QAM	12	0	18.99	18.97	18.95		
5	256QAM	12	7	18.95	18.95	18.95	20.5	3
5	256QAM	12	13	18.91	18.90	18.90		
5	256QAM	25	0	19.06	18.92	18.95		

Band 7 Ant2 DSI4 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.43	18.47	18.39		
20	QPSK	1	49	18.30	18.30	18.28	19	0
20	QPSK	1	99	18.42	18.46	18.32		
20	QPSK	50	0	18.26	18.34	18.33		
20	QPSK	50	24	18.00	18.08	18.26	19	0
20	QPSK	50	50	17.92	17.98	18.28		
20	QPSK	100	0	18.16	18.31	18.27		
20	16QAM	1	0	17.97	18.01	18.21		
20	16QAM	1	49	17.95	17.93	18.26	19	0
20	16QAM	1	99	17.89	17.94	18.24		
20	16QAM	50	0	18.12	18.14	18.28		
20	16QAM	50	24	18.07	18.12	18.29	19	0
20	16QAM	50	50	17.97	17.98	18.32		
20	16QAM	100	0	18.19	18.15	18.35		
20	64QAM	1	0	18.10	18.13	18.24		
20	64QAM	1	49	18.04	18.01	18.21	19	0
20	64QAM	1	99	17.99	17.94	18.24		
20	64QAM	50	0	17.04	17.15	17.37		
20	64QAM	50	24	16.99	17.01	17.32	18	1
20	64QAM	50	50	16.96	16.93	17.28		
20	64QAM	100	0	17.17	17.15	17.36		
20	256QAM	1	0	15.24	15.27	15.49		
20	256QAM	1	49	15.20	15.24	15.50	16	3
20	256QAM	1	99	15.14	15.17	15.49		
20	256QAM	50	0	15.32	15.33	15.48		
20	256QAM	50	24	15.21	15.23	15.47	16	3
20	256QAM	50	50	15.22	15.19	15.43		
20	256QAM	100	0	15.07	15.08	15.48		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.24	18.42	18.30		
15	QPSK	1	37	18.27	18.23	18.25	19	0
15	QPSK	1	74	18.45	18.45	18.28		
15	QPSK	36	0	18.00	18.36	18.27		
15	QPSK	36	20	17.93	18.09	18.28	19	0
15	QPSK	36	39	17.87	17.98	18.21		
15	QPSK	75	0	18.15	18.33	18.23		
15	16QAM	1	0	17.94	18.00	18.20		
15	16QAM	1	37	17.88	17.85	18.17	19	0
15	16QAM	1	74	17.91	17.93	18.24		
15	16QAM	36	0	18.11	18.14	18.23		
15	16QAM	36	20	18.08	18.03	18.22	19	0
15	16QAM	36	39	17.89	17.92	18.33		
15	16QAM	75	0	18.19	18.18	18.37		
15	64QAM	1	0	18.03	18.05	18.23		
15	64QAM	1	37	18.03	17.98	18.15	19	0
15	64QAM	1	74	17.91	17.94	18.22		
15	64QAM	36	0	17.03	17.13	17.32		
15	64QAM	36	20	17.01	16.93	17.25	18	1
15	64QAM	36	39	16.97	16.92	17.29		
15	64QAM	75	0	17.18	17.13	17.33		
15	256QAM	1	0	15.19	15.21	15.50		
15	256QAM	1	37	15.15	15.22	15.46	16	3
15	256QAM	1	74	15.07	15.12	15.47		
15	256QAM	36	0	15.30	15.33	15.50		
15	256QAM	36	20	15.23	15.22	15.48	16	3
15	256QAM	36	39	15.19	15.18	15.43		
15	256QAM	75	0	15.02	15.06	15.41		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.25	18.42	18.26		
10	QPSK	1	25	18.22	18.30	18.25	19	0
10	QPSK	1	49	18.35	18.40	18.26		
10	QPSK	25	0	18.06	18.28	18.30		
10	QPSK	25	12	17.94	18.09	18.19	19	0
10	QPSK	25	25	17.90	17.90	18.26		
10	QPSK	50	0	18.12	18.31	18.20		
10	16QAM	1	0	17.88	17.97	18.18		
10	16QAM	1	25	17.95	17.89	18.28	19	0
10	16QAM	1	49	17.81	17.95	18.25		
10	16QAM	25	0	18.06	18.11	18.28		
10	16QAM	25	12	18.01	18.06	18.27	19	0
10	16QAM	25	25	17.90	17.98	18.33		
10	16QAM	50	0	18.19	18.11	18.32		
10	64QAM	1	0	18.11	18.06	18.20		
10	64QAM	1	25	17.97	17.94	18.15	19	0
10	64QAM	1	49	18.00	17.87	18.25		
10	64QAM	25	0	17.00	17.12	17.35		
10	64QAM	25	12	16.93	17.02	17.32	18	1
10	64QAM	25	25	16.95	16.91	17.27		
10	64QAM	50	0	17.10	17.12	17.32		
10	256QAM	1	0	15.23	15.21	15.42		
10	256QAM	1	25	15.17	15.24	15.46	16	3
10	256QAM	1	49	15.10	15.19	15.52		
10	256QAM	25	0	15.24	15.30	15.42		
10	256QAM	25	12	15.22	15.24	15.48	16	3
10	256QAM	25	25	15.23	15.11	15.45		
10	256QAM	50	0	15.08	15.05	15.45		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.20	18.45	18.29		
5	QPSK	1	12	18.22	18.31	18.21	19	0
5	QPSK	1	24	18.36	18.47	18.28		
5	QPSK	12	0	18.02	18.29	18.26		
5	QPSK	12	7	17.93	18.08	18.25	19	0
5	QPSK	12	13	17.88	17.99	18.21		
5	QPSK	25	0	18.12	18.25	18.25		
5	16QAM	1	0	17.96	18.00	18.15		
5	16QAM	1	12	17.89	17.90	18.29	19	0
5	16QAM	1	24	17.91	17.91	18.18		
5	16QAM	12	0	18.04	18.13	18.20		
5	16QAM	12	7	18.06	18.09	18.24	19	0
5	16QAM	12	13	17.93	17.91	18.31		
5	16QAM	25	0	18.20	18.12	18.38		
5	64QAM	1	0	18.01	18.14	18.21		
5	64QAM	1	12	17.96	18.01	18.22	19	0
5	64QAM	1	24	18.00	17.89	18.24		
5	64QAM	12	0	17.01	17.17	17.28		
5	64QAM	12	7	16.95	16.94	17.34	18	1
5	64QAM	12	13	16.89	16.96	17.20		
5	64QAM	25	0	17.11	17.14	17.32		
5	256QAM	1	0	15.17	15.27	15.42		
5	256QAM	1	12	15.18	15.19	15.49	16	3
5	256QAM	1	24	15.08	15.18	15.52		
5	256QAM	12	0	15.32	15.26	15.40		
5	256QAM	12	7	15.17	15.17	15.40	16	3
5	256QAM	12	13	15.23	15.14	15.43		
5	256QAM	25	0	15.07	15.03	15.48		

Reduced Power NSA Mode for DSI4

Band 2 Ant2 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.04	24.29	24.18	25.5	0
20	QPSK	1	49	23.99	24.17	24.15		
20	QPSK	25	99	23.89	24.12	24.06		
20	QPSK	50	0	22.99	23.13	23.12	24.5	1
20	QPSK	50	24	22.91	23.10	23.08		
20	QPSK	50	50	22.87	23.07	22.98		
20	QPSK	100	0	22.87	23.07	23.00		
20	16QAM	1	0	22.77	22.94	22.85	24.5	1
20	16QAM	1	49	22.77	22.96	22.95		
20	16QAM	1	99	22.74	22.92	22.95		
20	16QAM	50	0	21.87	22.09	22.10	23.5	2
20	16QAM	50	24	21.90	22.05	21.98		
20	16QAM	50	50	21.84	22.01	22.04		
20	16QAM	100	0	21.84	22.06	22.02		
20	64QAM	1	0	21.99	22.18	22.12	23.5	2
20	64QAM	1	49	21.92	22.10	22.12		
20	64QAM	1	99	21.93	22.11	22.11		
20	64QAM	50	0	20.93	21.11	21.10	22.5	3
20	64QAM	50	24	20.92	21.08	21.10		
20	64QAM	50	50	20.87	21.13	21.11		
20	64QAM	100	0	20.82	21.06	21.04		
20	256QAM	1	0	18.94	19.08	19.10	20.5	5
20	256QAM	1	49	18.85	19.02	18.98		
20	256QAM	1	99	18.86	19.05	19.03		
20	256QAM	50	0	18.90	19.07	19.06	20.5	5
20	256QAM	50	24	18.92	19.06	19.08		
20	256QAM	50	50	18.92	19.07	19.02		
20	256QAM	100	0	18.91	19.05	19.06		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.03	24.21	24.11	25.5	0
15	QPSK	1	37	23.93	24.12	24.12		
15	QPSK	1	74	23.89	24.04	24.06		
15	QPSK	36	0	22.95	23.11	23.07	24.5	1
15	QPSK	36	20	22.84	23.02	23.08		
15	QPSK	36	39	22.79	23.08	23.00		
15	QPSK	75	0	22.80	23.01	23.00		
15	16QAM	1	0	22.70	22.92	22.83	24.5	1
15	16QAM	1	37	22.77	22.89	22.89		
15	16QAM	1	74	22.75	22.84	22.90		
15	16QAM	36	0	21.82	22.01	22.11	23.5	2
15	16QAM	36	20	21.82	21.96	21.98		
15	16QAM	36	39	21.83	21.94	22.00		
15	16QAM	75	0	21.77	22.01	21.96		
15	64QAM	1	0	21.98	22.14	22.04	23.5	2
15	64QAM	1	37	21.89	22.09	22.12		
15	64QAM	1	74	21.92	22.06	22.12		
15	64QAM	36	0	20.85	21.12	21.08	22.5	3
15	64QAM	36	20	20.86	21.08	21.10		
15	64QAM	36	39	20.89	21.11	21.10		
15	64QAM	75	0	20.82	21.06	21.05		
15	256QAM	1	0	18.92	19.09	19.02	20.5	5
15	256QAM	1	37	18.78	19.03	18.91		
15	256QAM	1	74	18.82	19.07	19.04		
15	256QAM	36	0	18.88	19.06	19.03	20.5	5
15	256QAM	36	20	18.92	19.09	19.06		
15	256QAM	36	39	18.94	19.00	19.03		
15	256QAM	75	0	18.83	19.01	19.08		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.99	24.20	24.19	25.5	0
10	QPSK	1	25	23.91	24.12	24.06		
10	QPSK	1	49	23.83	24.05	24.04		
10	QPSK	25	0	23.02	23.12	23.13	24.5	1
10	QPSK	25	12	22.91	23.05	23.03		
10	QPSK	25	25	22.86	23.08	22.92		
10	QPSK	50	0	22.89	23.08	23.06		
10	16QAM	1	0	22.70	22.93	22.81	24.5	1
10	16QAM	1	25	22.73	22.94	22.89		
10	16QAM	1	49	22.72	22.92	22.88		
10	16QAM	25	0	21.86	22.08	22.07	23.5	2
10	16QAM	25	12	21.87	21.96	21.98		
10	16QAM	25	25	21.81	22.02	22.05		
10	16QAM	50	0	21.86	21.98	21.99		
10	64QAM	1	0	22.01	22.12	22.14	23.5	2
10	64QAM	1	25	21.94	22.05	22.09		
10	64QAM	1	49	21.85	22.11	22.10		
10	64QAM	25	0	20.89	21.14	21.08	22.5	3
10	64QAM	25	12	20.91	21.05	21.06		
10	64QAM	25	25	20.81	21.15	21.08		
10	64QAM	50	0	20.83	21.00	21.05		
10	256QAM	1	0	18.90	19.11	19.07	20.5	5
10	256QAM	1	25	18.80	19.01	18.91		
10	256QAM	1	49	18.79	19.06	19.05		
10	256QAM	25	0	18.92	19.07	19.08	20.5	5
10	256QAM	25	12	18.87	19.03	19.01		
10	256QAM	25	25	18.93	19.05	19.04		
10	256QAM	50	0	18.82	18.99	19.00		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.96	24.26	24.18	25.5	0
5	QPSK	1	12	23.91	24.17	24.14		
5	QPSK	1	24	23.87	24.03	23.98		
5	QPSK	12	0	23.01	23.09	23.08	24.5	1
5	QPSK	12	7	22.84	23.04	23.08		
5	QPSK	12	13	22.83	23.06	22.95		
5	QPSK	25	0	22.88	22.99	23.04		
5	16QAM	1	0	22.68	22.86	22.86	24.5	1
5	16QAM	1	12	22.69	22.92	22.89		
5	16QAM	1	24	22.70	22.87	22.95		
5	16QAM	12	0	21.84	22.08	22.07	23.5	2
5	16QAM	12	7	21.83	22.05	21.91		
5	16QAM	12	13	21.82	21.97	21.97		
5	16QAM	25	0	21.84	22.06	21.98		
5	64QAM	1	0	21.90	22.10	22.09	23.5	2
5	64QAM	1	12	21.92	22.06	22.11		
5	64QAM	1	24	21.88	22.11	22.05		
5	64QAM	12	0	20.89	21.03	21.04	22.5	3
5	64QAM	12	7	20.91	21.10	21.02		
5	64QAM	12	13	20.84	21.05	21.14		
5	64QAM	25	0	20.74	21.02	21.03		
5	256QAM	1	0	18.97	19.01	19.10	20.5	5
5	256QAM	1	12	18.85	19.00	18.95		
5	256QAM	1	24	18.88	19.02	18.94		
5	256QAM	12	0	18.90	19.02	19.09	20.5	5
5	256QAM	12	7	18.88	18.99	19.02		
5	256QAM	12	13	18.89	18.99	18.95		
5	256QAM	25	0	18.84	18.99	19.07		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.96	24.23	24.18	25.5	0
3	QPSK	1	8	23.97	24.10	24.12		
3	QPSK	1	14	23.87	24.09	23.99		
3	QPSK	8	0	22.91	23.08	23.09	24.5	1
3	QPSK	8	4	22.83	23.08	23.04		
3	QPSK	8	7	22.78	23.09	22.89		
3	QPSK	15	0	22.88	22.98	23.01		
3	16QAM	1	0	22.80	22.87	22.79	24.5	1
3	16QAM	1	8	22.80	22.94	22.93		
3	16QAM	1	14	22.72	22.90	22.91		
3	16QAM	8	0	21.86	22.07	22.09	23.5	2
3	16QAM	8	4	21.86	21.99	21.97		
3	16QAM	8	7	21.85	21.96	21.96		
3	16QAM	15	0	21.82	22.08	22.02		
3	64QAM	1	0	21.92	22.19	22.09	23.5	2
3	64QAM	1	8	21.86	22.13	22.06		
3	64QAM	1	14	21.92	22.07	22.08		
3	64QAM	8	0	20.92	21.10	21.08	22.5	3
3	64QAM	8	4	20.87	21.01	21.04		
3	64QAM	8	7	20.79	21.06	21.05		
3	64QAM	15	0	20.80	21.01	20.99		
3	256QAM	1	0	18.91	19.05	19.04	20.5	5
3	256QAM	1	8	18.84	19.04	18.97		
3	256QAM	1	14	18.87	19.08	19.01		
3	256QAM	8	0	18.82	19.06	19.00	20.5	5
3	256QAM	8	4	18.88	19.04	19.02		
3	256QAM	8	7	18.85	19.03	18.99		
3	256QAM	15	0	18.85	18.97	18.98		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.03	24.27	24.19	25.5	0
1.4	QPSK	1	3	24.02	24.18	24.08		
1.4	QPSK	1	5	23.91	24.09	24.03		
1.4	QPSK	3	0	24.01	24.25	24.19		
1.4	QPSK	3	1	23.98	24.16	24.08		
1.4	QPSK	3	3	23.88	24.10	24.06		
1.4	QPSK	6	0	22.99	23.04	23.15	24.5	1
1.4	16QAM	1	0	22.90	23.03	23.01	24.5	1
1.4	16QAM	1	3	22.80	23.09	22.93		
1.4	16QAM	1	5	22.80	23.03	23.03		
1.4	16QAM	3	0	22.73	22.92	22.82		
1.4	16QAM	3	1	22.71	22.96	22.96		
1.4	16QAM	3	3	22.77	22.84	22.94		
1.4	16QAM	6	0	21.86	22.09	22.08	23.5	2
1.4	64QAM	1	0	21.83	22.02	21.90	23.5	2
1.4	64QAM	1	3	21.84	21.95	21.94		
1.4	64QAM	1	5	21.83	22.10	22.04		
1.4	64QAM	3	0	21.85	22.12	22.09		
1.4	64QAM	3	1	21.85	22.11	22.01		
1.4	64QAM	3	3	21.91	22.02	22.05		
1.4	64QAM	6	0	20.89	21.12	21.03	22.5	3
1.4	256QAM	1	0	18.92	19.05	19.02	20.5	5
1.4	256QAM	1	3	18.83	19.03	18.92		
1.4	256QAM	1	5	18.82	19.03	18.95		
1.4	256QAM	3	0	18.80	18.98	18.97		
1.4	256QAM	3	1	18.88	19.03	19.00		
1.4	256QAM	3	3	18.86	19.03	18.91		
1.4	256QAM	6	0	18.83	18.94	18.95	20.5	5

Band 7 Ant2 DSI4 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.51	24.65	24.58	25.5	0
20	QPSK	1	49	24.48	24.63	24.52		
20	QPSK	1	99	24.39	24.52	24.47		
20	QPSK	50	0	23.01	23.08	23.06	24.5	1
20	QPSK	50	24	22.94	23.02	23.00		
20	QPSK	50	50	23.00	23.04	22.98		
20	QPSK	100	0	23.02	23.07	23.01		
20	16QAM	1	0	22.96	23.03	23.02	24.5	1
20	16QAM	1	49	22.97	22.98	22.96		
20	16QAM	1	99	22.98	23.00	22.98		
20	16QAM	50	0	22.07	22.10	22.03	23.5	2
20	16QAM	50	24	21.93	21.98	21.98		
20	16QAM	50	50	21.95	22.00	21.96		
20	16QAM	100	0	22.06	22.04	22.00		
20	64QAM	1	0	21.98	22.00	22.03	23.5	2
20	64QAM	1	49	21.97	21.94	21.91		
20	64QAM	1	99	22.02	22.04	21.97		
20	64QAM	50	0	21.04	21.13	21.02	22.5	3
20	64QAM	50	24	20.88	20.99	21.03		
20	64QAM	50	50	20.98	20.99	20.97		
20	64QAM	100	0	20.99	21.01	21.00		
20	256QAM	1	0	19.01	19.08	19.04	20.5	5
20	256QAM	1	49	18.92	19.02	19.04		
20	256QAM	1	99	18.98	19.10	19.02		
20	256QAM	50	0	19.01	19.03	18.99	20.5	5
20	256QAM	50	24	18.93	19.00	19.00		
20	256QAM	50	50	18.93	18.94	18.95		
20	256QAM	100	0	19.03	18.99	18.94		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.48	24.63	24.61	25.5	0
15	QPSK	1	37	24.51	24.63	24.53		
15	QPSK	1	74	24.38	24.51	24.39		
15	QPSK	36	0	22.95	23.05	23.05	24.5	1
15	QPSK	36	20	22.92	22.99	22.96		
15	QPSK	36	39	22.95	22.97	22.91		
15	QPSK	75	0	22.96	22.99	22.94		
15	16QAM	1	0	22.95	22.94	22.97	24.5	1
15	16QAM	1	37	22.94	22.93	22.88		
15	16QAM	1	74	22.96	22.98	22.98		
15	16QAM	36	0	22.08	22.08	22.00	23.5	2
15	16QAM	36	20	21.95	21.98	21.97		
15	16QAM	36	39	21.95	21.98	21.95		
15	16QAM	75	0	21.98	22.00	21.97		
15	64QAM	1	0	21.96	22.02	22.04	23.5	2
15	64QAM	1	37	21.94	21.94	21.91		
15	64QAM	1	74	21.98	22.00	21.94		
15	64QAM	36	0	20.98	21.07	21.03	22.5	3
15	64QAM	36	20	20.89	20.98	21.01		
15	64QAM	36	39	20.97	20.97	21.00		
15	64QAM	75	0	20.91	21.03	20.95		
15	256QAM	1	0	18.94	19.00	19.03	20.5	5
15	256QAM	1	37	18.84	18.94	18.98		
15	256QAM	1	74	18.89	19.01	18.95		
15	256QAM	36	0	18.95	18.96	18.96	20.5	5
15	256QAM	36	20	18.95	18.99	19.01		
15	256QAM	36	39	18.93	18.92	18.90		
15	256QAM	75	0	18.98	18.97	18.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.49	24.64	24.49	25.5	0
10	QPSK	1	25	24.47	24.64	24.45		
10	QPSK	1	49	24.33	24.51	24.40		
10	QPSK	25	0	22.94	23.03	23.09	24.5	1
10	QPSK	25	12	22.90	22.93	23.00		
10	QPSK	25	25	22.96	23.05	22.91		
10	QPSK	50	0	23.05	23.01	22.99		
10	16QAM	1	0	22.95	23.01	23.03	24.5	1
10	16QAM	1	25	22.95	22.94	22.99		
10	16QAM	1	49	22.94	22.95	22.94		
10	16QAM	25	0	22.06	22.06	21.96	23.5	2
10	16QAM	25	12	21.89	21.91	21.90		
10	16QAM	25	25	21.92	22.01	21.91		
10	16QAM	50	0	22.03	22.00	21.93		
10	64QAM	1	0	21.94	22.00	22.04	23.5	2
10	64QAM	1	25	21.93	21.89	21.89		
10	64QAM	1	49	21.96	22.05	21.98		
10	64QAM	25	0	21.01	21.05	20.98	22.5	3
10	64QAM	25	12	20.88	20.95	21.02		
10	64QAM	25	25	20.97	21.01	20.94		
10	64QAM	50	0	20.97	20.92	21.00		
10	256QAM	1	0	18.92	19.03	18.98	20.5	5
10	256QAM	1	25	18.85	18.95	19.00		
10	256QAM	1	49	18.99	19.07	19.04		
10	256QAM	25	0	18.98	19.03	18.99	20.5	5
10	256QAM	25	12	18.89	18.96	19.02		
10	256QAM	25	25	18.84	18.93	18.95		
10	256QAM	50	0	19.03	19.01	18.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.50	24.57	24.54	25.5	0
5	QPSK	1	12	24.40	24.57	24.51		
5	QPSK	1	24	24.37	24.48	24.38		
5	QPSK	12	0	23.03	23.00	23.06	24.5	1
5	QPSK	12	7	22.91	23.03	22.94		
5	QPSK	12	13	23.01	23.04	22.98		
5	QPSK	25	0	22.96	23.02	22.93		
5	16QAM	1	0	22.95	22.98	22.97	24.5	1
5	16QAM	1	12	22.92	22.93	22.89		
5	16QAM	1	24	22.95	23.01	22.98		
5	16QAM	12	0	22.10	22.08	22.02	23.5	2
5	16QAM	12	7	21.92	21.94	21.95		
5	16QAM	12	13	21.92	21.93	21.94		
5	16QAM	25	0	22.02	21.99	22.02		
5	64QAM	1	0	22.01	21.93	22.02	23.5	2
5	64QAM	1	12	21.99	21.93	21.94		
5	64QAM	1	24	21.98	22.04	21.89		
5	64QAM	12	0	21.05	21.12	20.99	22.5	3
5	64QAM	12	7	20.90	20.93	20.95		
5	64QAM	12	13	20.91	21.00	20.93		
5	64QAM	25	0	20.90	20.93	21.00		
5	256QAM	1	0	18.99	19.06	18.96	20.5	5
5	256QAM	1	12	18.94	19.02	19.00		
5	256QAM	1	24	18.97	19.08	18.95		
5	256QAM	12	0	18.99	18.97	18.95	20.5	5
5	256QAM	12	7	18.95	18.95	18.95		
5	256QAM	12	13	18.91	18.90	18.90		
5	256QAM	25	0	19.06	18.92	18.95		

Band 7 Ant2 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.27	20.47	20.30	21	0
20	QPSK	1	49	20.26	20.29	20.28		
20	QPSK	1	99	20.37	20.46	20.29		
20	QPSK	50	0	19.09	19.31	19.30	20	1
20	QPSK	50	24	19.04	19.07	19.27		
20	QPSK	50	50	18.94	18.96	19.30		
20	QPSK	100	0	19.14	19.32	19.30		
20	16QAM	1	0	18.99	19.05	19.26	20	1
20	16QAM	1	49	19.00	18.96	19.23		
20	16QAM	1	99	18.91	18.93	19.27		
20	16QAM	50	0	18.12	18.14	18.28	19	2
20	16QAM	50	24	18.07	18.12	18.29		
20	16QAM	50	50	17.97	17.98	18.32		
20	16QAM	100	0	18.19	18.15	18.35		
20	64QAM	1	0	18.10	18.13	18.24	19	2
20	64QAM	1	49	18.04	18.01	18.21		
20	64QAM	1	99	17.99	17.94	18.24		
20	64QAM	50	0	17.04	17.15	17.37	18	3
20	64QAM	50	24	16.99	17.01	17.32		
20	64QAM	50	50	16.96	16.93	17.28		
20	64QAM	100	0	17.17	17.15	17.36		
20	256QAM	1	0	15.24	15.27	15.49	16	5
20	256QAM	1	49	15.20	15.24	15.50		
20	256QAM	1	99	15.14	15.17	15.49		
20	256QAM	50	0	15.32	15.33	15.48	16	5
20	256QAM	50	24	15.21	15.23	15.47		
20	256QAM	50	50	15.22	15.19	15.43		
20	256QAM	100	0	15.07	15.08	15.48		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.24	20.37	20.26	21	0
15	QPSK	1	37	20.24	20.23	20.21		
15	QPSK	1	74	20.31	20.44	20.22		
15	QPSK	36	0	19.02	19.07	19.34	20	1
15	QPSK	36	20	19.02	19.04	19.29		
15	QPSK	36	39	18.93	18.91	19.24		
15	QPSK	75	0	19.14	19.10	19.27		
15	16QAM	1	0	19.01	18.96	19.21	20	1
15	16QAM	1	37	19.02	18.89	19.17		
15	16QAM	1	74	18.88	18.90	19.26		
15	16QAM	36	0	18.11	18.14	18.23	19	2
15	16QAM	36	20	18.08	18.03	18.22		
15	16QAM	36	39	17.89	17.92	18.33		
15	16QAM	75	0	18.19	18.18	18.37		
15	64QAM	1	0	18.03	18.05	18.23	19	2
15	64QAM	1	37	18.03	17.98	18.15		
15	64QAM	1	74	17.91	17.94	18.22		
15	64QAM	36	0	17.03	17.13	17.32	18	3
15	64QAM	36	20	17.01	16.93	17.25		
15	64QAM	36	39	16.97	16.92	17.29		
15	64QAM	75	0	17.18	17.13	17.33		
15	256QAM	1	0	15.19	15.21	15.50	16	5
15	256QAM	1	37	15.15	15.22	15.46		
15	256QAM	1	74	15.07	15.12	15.47		
15	256QAM	36	0	15.30	15.33	15.50	16	5
15	256QAM	36	20	15.23	15.22	15.48		
15	256QAM	36	39	15.19	15.18	15.43		
15	256QAM	75	0	15.02	15.06	15.41		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.23	20.29	20.27	21	0
10	QPSK	1	25	20.19	20.28	20.21		
10	QPSK	1	49	20.39	20.40	20.27		
10	QPSK	25	0	19.08	19.13	19.31	20	1
10	QPSK	25	12	19.03	19.10	19.22		
10	QPSK	25	25	18.86	18.97	19.26		
10	QPSK	50	0	19.12	19.10	19.35		
10	16QAM	1	0	18.97	19.02	19.19	20	1
10	16QAM	1	25	19.03	18.91	19.15		
10	16QAM	1	49	18.90	18.90	19.28		
10	16QAM	25	0	18.06	18.11	18.28	19	2

Band 38 Ant2 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.23	21.29	21.24	22	0
20	QPSK	1	49	21.11	21.19	21.24		
20	QPSK	1	99	21.04	21.14	21.21		
20	QPSK	50	0	20.12	20.27	20.20	21	1
20	QPSK	50	24	20.12	20.24	20.25		
20	QPSK	50	50	20.16	20.24	20.23		
20	QPSK	100	0	20.07	20.17	20.14		
20	16QAM	1	0	20.20	20.25	20.27	21	1
20	16QAM	1	49	20.17	20.23	20.25		
20	16QAM	1	99	20.16	20.22	20.27		
20	16QAM	50	0	19.13	19.21	19.26	20	2
20	16QAM	50	24	19.07	19.15	19.17		
20	16QAM	50	50	19.14	19.22	19.21		
20	16QAM	100	0	18.78	18.92	18.89		
20	64QAM	1	0	19.57	19.67	19.62	20	2
20	64QAM	1	49	19.53	19.64	19.65		
20	64QAM	1	99	19.49	19.65	19.64		
20	64QAM	50	0	18.08	18.23	18.25	19	3
20	64QAM	50	24	18.15	18.21	18.23		
20	64QAM	50	50	18.11	18.17	18.12		
20	64QAM	100	0	17.81	17.90	17.94		
20	256QAM	1	0	16.08	16.21	16.16	17	5
20	256QAM	1	49	16.12	16.18	16.14		
20	256QAM	1	99	16.04	16.20	16.19		
20	256QAM	50	0	16.20	16.25	16.20	17	5
20	256QAM	50	24	16.20	16.24	16.22		
20	256QAM	50	50	16.06	16.17	16.22		
20	256QAM	100	0	16.09	16.23	16.24		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.20	21.26	21.22	22	0
15	QPSK	1	37	21.04	21.11	21.22		
15	QPSK	1	74	20.96	21.10	21.26		
15	QPSK	36	0	20.09	20.15	20.22	21	1
15	QPSK	36	20	20.04	20.25	20.21		
15	QPSK	36	39	20.13	20.22	20.33		
15	QPSK	75	0	20.04	20.15	20.12		
15	16QAM	1	0	20.16	20.20	20.24	21	1
15	16QAM	1	37	20.11	20.18	20.25		
15	16QAM	1	74	20.09	20.14	20.20		
15	16QAM	36	0	19.11	19.19	19.26	20	2
15	16QAM	36	20	19.06	19.17	19.15		
15	16QAM	36	39	19.09	19.21	19.20		
15	16QAM	75	0	18.69	18.84	18.82		
15	64QAM	1	0	19.55	19.68	19.58	20	2
15	64QAM	1	37	19.55	19.60	19.65		
15	64QAM	1	74	19.49	19.62	19.65		
15	64QAM	36	0	18.09	18.26	18.16	19	3
15	64QAM	36	20	18.11	18.23	18.19		
15	64QAM	36	39	18.07	18.20	18.11		
15	64QAM	75	0	17.76	17.90	17.91		
15	256QAM	1	0	16.09	16.20	16.09	17	5
15	256QAM	1	37	16.14	16.12	16.16		
15	256QAM	1	74	15.98	16.15	16.21		
15	256QAM	36	0	16.23	16.25	16.20	17	5
15	256QAM	36	20	16.11	16.26	16.15		
15	256QAM	36	39	15.98	16.13	16.18		
15	256QAM	75	0	16.08	16.17	16.23		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.18	21.25	21.19	22	0
10	QPSK	1	25	21.08	21.10	21.22		
10	QPSK	1	49	20.95	21.11	21.27		
10	QPSK	25	0	20.05	20.20	20.28	21	1
10	QPSK	25	12	20.11	20.26	20.24		
10	QPSK	25	25	20.09	20.22	20.31		
10	QPSK	50	0	20.00	20.17	20.06		
10	16QAM	1	0	20.22	20.20	20.23	21	1
10	16QAM	1	25	20.11	20.21	20.19		
10	16QAM	1	49	20.12	20.16	20.22		
10	16QAM	25	0	19.12	19.16	19.19	20	2
10	16QAM	25	12	19.02	19.06	19.15		
10	16QAM	25	25	19.10	19.23	19.13		
10	16QAM	50	0	18.75	18.89	18.92		
10	64QAM	1	0	19.60	19.69	19.55	20	2
10	64QAM	1	25	19.51	19.59	19.58		
10	64QAM	1	49	19.51	19.61	19.64		
10	64QAM	25	0	18.11	18.19	18.26	19	3
10	64QAM	25	12	18.18	18.22	18.20		
10	64QAM	25	25	18.09	18.19	18.05		
10	64QAM	50	0	17.80	17.83	17.97		
10	256QAM	1	0	15.99	16.24	16.08	17	5
10	256QAM	1	25	16.09	16.11	16.10		
10	256QAM	1	49	15.96	16.19	16.20		
10	256QAM	25	0	16.13	16.16	16.23	17	5
10	256QAM	25	12	16.15	16.25	16.22		
10	256QAM	25	25	16.04	16.15	16.21		
10	256QAM	50	0	16.10	16.22	16.23		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.17	21.21	21.24	22	0
5	QPSK	1	12	21.14	21.15	21.20		
5	QPSK	1	24	20.97	21.12	21.22		
5	QPSK	12	0	20.10	20.18	20.28	21	1
5	QPSK	12	7	20.04	20.23	20.25		
5	QPSK	12	13	20.17	20.29	20.33		
5	QPSK	25	0	20.02	20.14	20.09		
5	16QAM	1	0	20.12	20.26	20.29	21	1
5	16QAM	1	12	20.20	20.22	20.19		
5	16QAM	1	24	20.10	20.15	20.20		
5	16QAM	12	0	19.14	19.21	19.17	20	2
5	16QAM	12	7	18.98	19.18	19.10		
5	16QAM	12	13	19.12	19.15	19.24		
5	16QAM	25	0	18.75	18.91	18.89		
5	64QAM	1	0	19.53	19.65	19.55	20	2
5	64QAM	1	12	19.50	19.58	19.59		
5	64QAM	1	24	19.45	19.59	19.58		
5	64QAM	12	0	18.10	18.21	18.19	19	3
5	64QAM	12	7	18.08	18.19	18.15		
5	64QAM	12	13	18.07	18.15	18.05		
5	64QAM	25	0	17.73	17.88	17.86		
5	256QAM	1	0	16.01	16.19	16.08	17	5
5	256QAM	1	12	16.06	16.18	16.13		
5	256QAM	1	24	15.95	16.15	16.20		
5	256QAM	12	0	16.13	16.16	16.14	17	5
5	256QAM	12	7	16.22	16.25	16.21		
5	256QAM	12	13	16.09	16.18	16.16		
5	256QAM	25	0	16.01	16.25	16.24		

Band 41 Ant2 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.43	21.22	21.47	21.24	21.42	22	0
20	QPSK	1	49	21.45	21.20	21.41	21.17	21.39		
20	QPSK	1	99	21.42	21.16	21.40	21.16	21.41		
20	QPSK	50	0	20.38	20.20	20.50	20.30	20.39	21	1
20	QPSK	50	24	20.47	20.26	20.42	20.16	20.44		
20	QPSK	50	50	20.41	20.15	20.38	20.17	20.45		
20	QPSK	100	0	20.37	20.27	20.46	20.21	20.41		
20	16QAM	1	0	20.44	20.25	20.40	20.16	20.35	21	1
20	16QAM	1	49	20.41	20.21	20.36	20.10	20.42		
20	16QAM	1	99	20.47	20.15	20.37	20.22	20.38		
20	16QAM	50	0	19.42	19.22	19.50	19.32	19.44	20	2
20	16QAM	50	24	19.41	19.31	19.47	19.17	19.48		
20	16QAM	50	50	19.44	19.13	19.37	19.18	19.43		
20	16QAM	100	0	19.42	19.25	19.45	19.26	19.46		
20	64QAM	1	0	19.49	19.26	19.40	19.17	19.35	20	2
20	64QAM	1	49	19.36	19.20	19.33	19.08	19.46		
20	64QAM	1	99	19.51	19.15	19.38	19.18	19.38		
20	64QAM	50	0	18.32	18.25	18.49	18.26	18.34	19	3
20	64QAM	50	24	18.48	18.30	18.42	18.11	18.42		
20	64QAM	50	50	18.37	18.17	18.40	18.14	18.50		
20	64QAM	100	0	18.33	18.23	18.45	18.17	18.43		
20	256QAM	1	0	16.39	16.15	16.46	16.33	16.34	17	5
20	256QAM	1	49	16.52	16.28	16.37	16.15	16.40		
20	256QAM	1	99	16.45	16.17	16.33	16.11	16.47		
20	256QAM	50	0	16.34	16.26	16.44	16.19	16.36	17	5
20	256QAM	50	24	16.44	16.28	16.44	16.21	16.31		
20	256QAM	50	50	16.45	16.19	16.36	16.05	16.44		
20	256QAM	100	0	16.53	16.21	16.43	16.18	16.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.46	21.15	21.42	21.26	21.44	22	0
15	QPSK	1	37	21.37	21.19	21.35	21.16	21.32		
15	QPSK	1	74	21.35	21.12	21.31	21.09	21.36		
15	QPSK	36	0	20.39	20.16	20.46	20.27	20.36	21	1
15	QPSK	36	20	20.43	20.23	20.35	20.18	20.40		
15	QPSK	36	39	20.39	20.16	20.35	20.19	20.43		
15	QPSK	75	0	20.39	20.21	20.39	20.16	20.42		
15	16QAM	1	0	20.46	20.22	20.32	20.16	20.34	21	1
15	16QAM	1	37	20.40	20.20	20.29	20.12	20.41		
15	16QAM	1	74	20.39	20.17	20.37	20.17	20.36		
15	16QAM	36	0	19.41	19.15	19.43	19.32	19.37	20	2
15	16QAM	36	20	19.42	19.28	19.40	19.13	19.44		
15	16QAM	36	39	19.45	19.14	19.36	19.16	19.38		
15	16QAM	75	0	19.38	19.27	19.47	19.26	19.41		
15	64QAM	1	0	19.46	19.19	19.37	19.17	19.31	20	2
15	64QAM	1	37	19.33	19.18	19.29	19.03	19.49		
15	64QAM	1	74	19.48	19.15	19.31	19.11	19.35		
15	64QAM	36	0	18.30	18.21	18.44	18.27	18.31	19	3
15	64QAM	36	20	18.39	18.25	18.41	18.10	18.35		
15	64QAM	36	39	18.39	18.11	18.33	18.13	18.42		
15	64QAM	75	0	18.32	18.21	18.46	18.10	18.41		
15	256QAM	1	0	16.40	16.17	16.48	16.27	16.34	17	5
15	256QAM	1	37	16.47	16.26	16.36	16.14	16.32		
15	256QAM	1	74	16.44	16.13	16.25	16.13	16.43		
15	256QAM	36	0	16.27	16.20	16.46	16.17	16.34	17	5
15	256QAM	36	20	16.35	16.19	16.36	16.15	16.30		
15	256QAM	36	39	16.48	16.14	16.33	16.05	16.40		
15	256QAM	75	0	16.55	16.17	16.44	16.09	16.40		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.40	21.25	21.45	21.23	21.39	22	0
10	QPSK	1	25	21.40	21.12	21.40	21.11	21.39		
10	QPSK	1	49	21.40	21.09	21.36	21.12	21.36		
10	QPSK	25	0	20.37	20.14	20.50	20.29	20.40	21	1
10	QPSK	25	12	20.44	20.21	20.35	20.10	20.38		
10	QPSK	25	25	20.33	20.07	20.30	20.19	20.41		
10	QPSK	50	0	20.34	20.30	20.47	20.20	20.43		
10	16QAM	1	0	20.46	20.25	20.42	20.07	20.38	21	1
10	16QAM	1	25	20.37	20.23	20.27	20.08	20.38		
10	16QAM	1	49	20.48	20.14	20.30	20.23	20.36		
10	16QAM	25	0	19.41	19.21	19.46	19.32	19.44	20	2
10	16QAM	25	12	19.34	19.33	19.47	19.18	19.47		
10	16QAM	25	25	19.44	19.13	19.36	19.14	19.44		
10	16QAM	50	0	19.34	19.23	19.41	19.29	19.40		
10	64QAM	1	0	19.48	19.28	19.39	19.12	19.35	20	2
10	64QAM	1	25	19.37	19.12	19.32	19.03	19.47		
10	64QAM	1	49	19.52	19.17	19.40	19.11	19.36		
10	64QAM	25	0	18.26	18.23	18.46	18.26	18.32	19	3
10	64QAM	25	12	18.39	18.31	18.35	18.03	18.36		
10	64QAM	25	25	18.35	18.08	18.32	18.11	18.51		
10	64QAM	50	0	18.33	18.20	18.45	18.15	18.44		
10	256QAM	1	0	16.38	16.07	16.44	16.31	16.32	17	5
10	256QAM	1	25	16.54	16.27	16.37	16.13	16.33		
10	256QAM	1	49	16.45	16.10	16.28	16.04	16.40		
10	256QAM	25	0	16.27	16.29	16.46	16.13	16.36	17	5
10	256QAM	25	12	16.39	16.31	16.36	16.16	16.32		
10	256QAM	25	25	16.38	16.11	16.37	16.07	16.46		
10	256QAM	50	0	16.48	16.12	16.38	16.14	16.34		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.39	21.20	21.45	21.24	21.38	22	0
5	QPSK	1	12	21.45	21.14	21.42	21.17	21.37		
5	QPSK	1	24	21.36	21.16	21.42	21.14	21.42		
5	QPSK	12	0	20.36	20.16	20.42	20.21	20.34	21	1
5	QPSK	12	7	20.40	20.18	20.36	20.10	20.41		
5	QPSK	12	13	20.41	20.11	20.29	20.14	20.47		
5	QPSK	25	0	20.33	20.26	20.43	20.18	20.38		
5	16QAM	1	0	20.44	20.19	20.42	20.10	20.38	21	1
5	16QAM	1	12	20.42	20.16	20.30	20.03	20.42		
5	16QAM	1	24	20.48	20.07	20.39	20.19	20.38		
5	16QAM	12	0	19.43	19.25	19.46	19.32	19.35	20	2
5	16QAM	12	7	19.42	19.28	19.48	19.16	19.47		
5	16QAM	12	13	19.45	19.09	19.34	19.20	19.40		
5	16QAM	25	0	19.43	19.26	19.36	19.17	19.46		
5	64QAM	1	0	19.48	19.21	19.36	19.18	19.29	20	2
5	64QAM	1	12	19.32	19.19	19.30	19.04	19.49		
5	64QAM	1	24	19.45	19.16	19.36	19.20	19.41		
5	64QAM	12	0	18.33	18.22	18.43	18.23	18.33	19	3
5	64QAM	12	7	18.39	18.24	18.34	18.11	18.45		
5	64QAM	12	13	18.40	18.08	18.32	18.07	18.43		
5	64QAM	25	0	18.33	18.16	18.44	18.15	18.37		
5	256QAM	1	0	16.35	16.13	16.42	16.36	16.32	17	5
5	256QAM	1	12	16.48	16.26	16.29	16.10	16.32		
5	256QAM	1	24	16.41	16.18	16.26	16.14	16.42		
5	256QAM	12	0	16.35	16.26	16.39	16.11	16.33	17	5
5	256QAM	12	7	16.42	16.25	16.38	16.24	16.25		
5	256QAM	12	13	16.44	16.10	16.34	15.97	16.39		
5	256QAM	25	0	16.46	16.21	16.34	16.10	16.39		

Band 2 Ant3 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.84	24.02	23.92	24.5	0
20	QPSK	1	49	23.79	23.98	24.00		
20	QPSK	1	99	23.68	23.91	23.91		
20	QPSK	50	0	22.63	22.88	22.84	23.5	1
20	QPSK	50	24	22.54	22.76	22.71		
20	QPSK	50	50	22.55	22.78	22.78		
20	QPSK	100	0	22.54	22.74	22.72		
20	16QAM	1	0	22.38	22.58	22.51	23.5	1
20	16QAM	1	49	22.30	22.51	22.48		
20	16QAM	1	99	22.28	22.54	22.48		
20	16QAM	50	0	21.48	21.72	21.74	22.5	2
20	16QAM	50	24	21.54	21.68	21.60		
20	16QAM	50	50	21.47	21.71	21.68		
20	16QAM	100	0	21.48	21.68	21.59		
20	64QAM	1	0	21.70	21.87	21.90	22.5	2
20	64QAM	1	49	21.65	21.86	21.88		
20	64QAM	1	99	21.67	21.84	21.79		
20	64QAM	50	0	20.49	20.74	20.69	21.5	3
20	64QAM	50	24	20.57	20.71	20.65		
20	64QAM	50	50	20.56	20.70	20.71		
20	64QAM	100	0	20.49	20.67	20.59		
20	256QAM	1	0	18.48	18.65	18.64	19.5	5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.85	24.01	23.85	24.5	0
15	QPSK	1	37	23.75	23.94	24.00		
15	QPSK	1	74	23.60	23.87	23.86		
15	QPSK	36	0	22.61	22.83	22.77	23.5	1
15	QPSK	36	20	22.48	22.74	22.66		
15	QPSK	36	39	22.55	22.72	22.70		
15	QPSK	75	0	22.57	22.77	22.68		
15	16QAM	1	0	22.35	22.54	22.43	23.5	1
15	16QAM	1	37	22.23	22.46	22.39		
15	16QAM	1	74	22.25	22.55	22.39		
15	16QAM	36	0	21.50	21.67	21.66	22.5	2
15	16QAM	36	20	21.51	21.60	21.59		
15	16QAM	36	39	21.45	21.71	21.65		
15	16QAM	75	0	21.45	21.68	21.62		
15	64QAM	1	0	21.62	21.82	21.84	22.5	2
15	64QAM	1	37	21.57	21.78	21.84		
15	64QAM	1	74	21.68	21.78	21.80		
15	64QAM	36	0	20.48	20.74	20.68	21.5	3
15	64QAM	36	20	20.59	20.64	20.61		
15	64QAM	36	39	20.56	20.69	20.69		
15	64QAM	75	0	20.47	20.68	20.62		
15	256QAM	1	0	18.41	18.65	18.59	19.5	5
15	256QAM	1	37	18.43	18.56	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.82	23.96	23.85	24.5	0
10	QPSK	1	25	23.72	23.94	23.96		
10	QPSK	1	49	23.62	23.85	23.91		
10	QPSK	25	0	22.58	22.86	22.78	23.5	1
10	QPSK	25	12	22.48	22.78	22.68		
10	QPSK	25	25	22.50	22.79	22.76		
10	QPSK	50	0	22.52	22.70	22.64		
10	16QAM	1	0	22.31	22.58	22.53	23.5	1
10	16QAM	1	25	22.23	22.46	22.44		
10	16QAM	1	49	22.28	22.52	22.50		
10	16QAM	25	0	21.45	21.66	21.68	22.5	2
10	16QAM	25	12	21.55	21.65	21.61		
10	16QAM	25	25	21.40	21.70	21.69		
10	16QAM	50	0	21.40	21.63	21.57		
10	64QAM	1	0	21.62	21.82	21.88	22.5	2
10	64QAM	1	25	21.66	21.79	21.89		
10	64QAM	1	49	21.65	21.85	21.71		
10	64QAM	25	0	20.50	20.76	20.63	21.5	3
10	64QAM	25	12	20.58	20.63	20.67		
10	64QAM	25	25	20.53	20.62	20.66		
10	64QAM	50	0	20.46	20.63	20.59		
10	256QAM	1	0	18.46	18.56	18.57	19.5	5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.84	23.94	23.92	24.5	0
5	QPSK	1	12	23.81	23.98	23.98		
5	QPSK	1	24	23.59	23.83	23.94		
5	QPSK	12	0	22.62	22.91	22.86	23.5	1
5	QPSK	12	7	22.45	22.75	22.63		
5	QPSK	12	13	22.50	22.71	22.73		
5	QPSK	25	0	22.56	22.70	22.74		
5	16QAM	1	0	22.38	22.50	22.45	23.5	1
5	16QAM	1	12	22.30	22.50	22.49		
5	16QAM	1	24	22.23	22.49	22.41		
5	16QAM	12	0	21.45	21.67	21.74	22.5	2
5	16QAM	12	7	21.54	21.65	21.62		
5	16QAM	12	13	21.41	21.70	21.69		
5	16QAM	25	0	21.49	21.65	21.51		
5	64QAM	1	0	21.62	21.81	21.81	22.5	2
5	64QAM	1	12	21.61	21.80	21.88		
5	64QAM	1	24	21.59	21.84	21.77		
5	64QAM	12	0	20.44	20.65	20.65	21.5	3
5	64QAM	12	7	20.54	20.67	20.64		
5	64QAM	12	13	20.56	20.63	20.68		
5	64QAM	25	0	20.40	20.67	20.54		
5	256QAM	1	0	18.41	18.58	18.61	19.5	5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.77	23.94	23.92	24.5	0
3	QPSK	1	8	23.73	23.99	23.99		
3	QPSK	1	14	23.68	23.87	23.89		
3	QPSK	8	0	22.62	22.86	22.77	23.5	1
3	QPSK	8	4	22.51	22.72	22.64		
3	QPSK	8	7	22.49	22.69	22.70		
3	QPSK	15	0	22.46	22.71	22.63		
3	16QAM	1	0	22.40	22.59	22.50	23.5	1
3	16QAM	1	8	22.32	22.44	22.41		
3	16QAM	1	14	22.27	22.53	22.48		
3	16QAM	8	0	21.50	21.72	21.77	22.5	2
3	16QAM	8	4	21.55	21.68	21.54		
3	16QAM	8	7	21.39	21.63	21.68		
3	16QAM	15	0	21.44	21.67	21.61		
3	64QAM	1	0	21.71	21.87	21.81	22.5	2
3	64QAM	1	8	21.66	21.80	21.83		
3	64QAM	1	14	21.62	21.81	21.72		
3	64QAM	8	0	20.41	20.72	20.63	21.5	3
3	64QAM	8	4	20.53	20.68	20.62		
3	64QAM	8	7	20.53	20.70	20.68		
3	64QAM	15	0	20.44	20.58	20.60		
3	256QAM	1	0	18.45	18.58	18.62	19.5	5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.81	23.96	23.93	24.5	0
1.4	QPSK	1	3	23.75	23.95	23.92		
1.4	QPSK	1	5	23.64	23.94	23.93		
1.4	QPSK	3	0	23.76	23.93	23.87		
1.4	QPSK	3	1	23.72	23.94	23.95		
1.4	QPSK	3	3	23.67	23.94	23.92		
1.4	QPSK	6	0	22.63	22.89	22.76	23.5	1
1.4	16QAM	1	0	22.55	22.73	22.62	23.5	1
1.4	16QAM	1	3	22.49	22.70	22.69		
1.4	16QAM	1	5	22.56	22.68	22.73		
1.4	16QAM	3	0	22.34	22.59	22.43		
1.4	16QAM	3	1	22.29	22.49	22.44		
1.4	16QAM	3	3	22.20	22.47	22.46		
1.4	16QAM	6	0	21.42	21.72	21.69	22.5	2
1.4	64QAM	1	0	21.45	21.61	21.62	22.5	2
1.4	64QAM	1	3	21.42	21.64	21.62		
1.4	64QAM	1	5	21.43	21.69	21.59		
1.4	64QAM	3	0	21.64	21.88	21.82		
1.4	64QAM	3	1	21.62	21.80	21.82		
1.4	64QAM	3	3	21.65	21.80	21.77		
1.4	64QAM	6	0	20.52	20.65	20.68	21.5	3
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	5

Band 7 Ant3 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.52	23.65	23.63	24.5	0
20	QPSK	1	49	23.36	23.55	23.54		
20	QPSK	1	99	23.35	23.53	23.45		
20	QPSK	50	0	22.38	22.52	22.46	23.5	1
20	QPSK	50	24	22.31	22.46	22.39		
20	QPSK	50	50	22.24	22.38	22.33		
20	QPSK	100	0	22.27	22.44	22.40		
20	16QAM	1	0	22.29	22.39	22.38	23.5	1
20	16QAM	1	49	22.18	22.33	22.34		
20	16QAM	1	99	22.28	22.37	22.31		
20	16QAM	50	0	21.28	21.41	21.35	22.5	2
20	16QAM	50	24	21.28	21.41	21.32		
20	16QAM	50	50	21.22	21.36	21.28		
20	16QAM	100	0	21.20	21.40	21.39		
20	64QAM	1	0	21.46	21.57	21.49	22.5	2
20	64QAM	1	49	21.38	21.55	21.54		
20	64QAM	1	99	21.35	21.52	21.49		
20	64QAM	50	0	20.20	20.35	20.30	21.5	3
20	64QAM	50	24	20.24	20.37	20.36		
20	64QAM	50	50	20.16	20.32	20.23		
20	64QAM	100	0	20.28	20.45	20.42		
20	256QAM	1	0	18.40	18.56	18.54	19.5	5
20	256QAM	1	49	18.36	18.49	18.46		
20	256QAM	1	99	18.35	18.52	18.49		
20	256QAM	50	0	18.42	18.52	18.47	19.5	5
20	256QAM	50	24	18.38	18.57	18.52		
20	256QAM	50	50	18.39	18.52	18.45		
20	256QAM	100	0	18.43	18.59	18.54		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.50	23.60	23.61	24.5	0
15	QPSK	1	37	23.30	23.49	23.54		
15	QPSK	1	74	23.34	23.47	23.47		
15	QPSK	36	0	22.34	22.54	22.48	23.5	1
15	QPSK	36	20	22.24	22.41	22.39		
15	QPSK	36	39	22.27	22.35	22.25		
15	QPSK	75	0	22.21	22.35	22.40		
15	16QAM	1	0	22.30	22.32	22.38	23.5	1
15	16QAM	1	37	22.10	22.31	22.33		
15	16QAM	1	74	22.25	22.35	22.31		
15	16QAM	36	0	21.25	21.35	21.37	22.5	2
15	16QAM	36	20	21.19	21.39	21.28		
15	16QAM	36	39	21.19	21.36	21.24		
15	16QAM	75	0	21.22	21.36	21.40		
15	64QAM	1	0	21.47	21.51	21.44	22.5	2
15	64QAM	1	37	21.37	21.49	21.51		
15	64QAM	1	74	21.27	21.52	21.52		
15	64QAM	36	0	20.18	20.32	20.31	21.5	3
15	64QAM	36	20	20.23	20.37	20.37		
15	64QAM	36	39	20.16	20.28	20.18		
15	64QAM	75	0	20.28	20.41	20.38		
15	256QAM	1	0	18.33	18.52	18.55	19.5	5
15	256QAM	1	37	18.36	18.40	18.39		
15	256QAM	1	74	18.32	18.46	18.51		
15	256QAM	36	0	18.44	18.47	18.47	19.5	5
15	256QAM	36	20	18.40	18.59	18.54		
15	256QAM	36	39	18.40	18.49	18.37		
15	256QAM	75	0	18.35	18.51	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.47	23.64	23.54	24.5	0
10	QPSK	1	25	23.30	23.54	23.50		
10	QPSK	1	49	23.31	23.55	23.43		
10	QPSK	25	0	22.30	22.43	22.39	23.5	1
10	QPSK	25	12	22.30	22.45	22.39		
10	QPSK	25	25	22.19	22.34	22.27		
10	QPSK	50	0	22.23	22.41	22.35		
10	16QAM	1	0	22.24	22.30	22.40	23.5	1
10	16QAM	1	25	22.09	22.30	22.31		
10	16QAM	1	49	22.27	22.33	22.31		
10	16QAM	25	0	21.28	21.42	21.28	22.5	2
10	16QAM	25	12	21.26	21.39	21.24		
10	16QAM	25	25	21.21	21.36	21.21		
10	16QAM	50	0	21.18	21.40	21.37		
10	64QAM	1	0	21.37	21.58	21.44	22.5	2
10	64QAM	1	25	21.34	21.48	21.56		
10	64QAM	1	49	21.30	21.44	21.42		
10	64QAM	25	0	20.12	20.30	20.33	21.5	3
10	64QAM	25	12	20.27	20.29	20.38		
10	64QAM	25	25	20.13	20.34	20.22		
10	64QAM	50	0	20.28	20.47	20.39		
10	256QAM	1	0	18.33	18.55	18.45	19.5	5
10	256QAM	1	25	18.37	18.49	18.37		
10	256QAM	1	49	18.29	18.48	18.49		
10	256QAM	25	0	18.44	18.44	18.48	19.5	5
10	256QAM	25	12	18.36	18.53	18.51		
10	256QAM	25	25	18.38	18.47	18.42		
10	256QAM	50	0	18.35	18.62	18.51		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.52	23.62	23.56	24.5	0
5	QPSK	1	12	23.28	23.55	23.57		
5	QPSK	1	24	23.27	23.45	23.38		
5	QPSK	12	0	22.36	22.45	22.38	23.5	1
5	QPSK	12	7	22.26	22.46	22.37		
5	QPSK	12	13	22.25	22.36	22.26		
5	QPSK	25	0	22.29	22.39	22.44		
5	16QAM	1	0	22.25	22.36	22.41	23.5	1
5	16QAM	1	12	22.16	22.34	22.29		
5	16QAM	1	24	22.25	22.38	22.26		
5	16QAM	12	0	21.22	21.42	21.35	22.5	2
5	16QAM	12	7	21.20	21.41	21.33		
5	16QAM	12	13	21.21	21.41	21.27		
5	16QAM	25	0	21.19	21.39	21.35		
5	64QAM	1	0	21.39	21.60	21.45	22.5	2
5	64QAM	1	12	21.40	21.49	21.54		
5	64QAM	1	24	21.37	21.50	21.49		
5	64QAM	12	0	20.16	20.30	20.28	21.5	3
5	64QAM	12	7	20.17	20.37	20.29		
5	64QAM	12	13	20.08	20.26	20.22		
5	64QAM	25	0	20.28	20.44	20.38		
5	256QAM	1	0	18.34	18.49	18.52	19.5	5
5	256QAM	1	12	18.31	18.45	18.46		
5	256QAM	1	24	18.32	18.49	18.48		
5	256QAM	12	0	18.42	18.46	18.43	19.5	5
5	256QAM	12	7	18.36	18.52	18.46		
5	256QAM	12	13	18.35	18.52	18.38		
5	256QAM	25	0	18.41	18.53	18.53		

Band 7 Ant3 DSI4 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.66	23.67	23.65	24.5	0
20	QPSK	1	49	23.50	23.51	23.53		
20	QPSK	1	99	23.56	23.55	23.50		
20	QPSK	50	0	22.57	22.65	22.62	23.5	1
20	QPSK	50	24	22.56	22.61	22.61		
20	QPSK	50	50	22.58	22.57	22.54		
20	QPSK	100	0	22.54	22.63	22.60		
20	16QAM	1	0	22.69	22.64	22.63	23.5	1
20	16QAM	1	49	22.51	22.46	22.59		
20	16QAM	1	99	22.53	22.51	22.47		
20	16QAM	50	0	21.58	21.62	21.60	22.5	2
20	16QAM	50	24	21.52	21.55	21.55		
20	16QAM	50	50	21.55	21.61	21.51		
20	16QAM	100	0	21.50	21.66	21.59		
20	64QAM	1	0	21.71	21.62	21.57	22.5	2
20	64QAM	1	49	21.55	21.41	21.57		
20	64QAM	1	99	21.54	21.49	21.42		
20	64QAM	50	0	20.58	20.70	20.58	21.5	3
20	64QAM	50	24	20.58	20.62	20.63		
20	64QAM	50	50	20.62	20.52	20.57		
20	64QAM	100	0	20.52	20.65	20.58		
20	256QAM	1	0	18.55	18.66	18.62	19.5	5
20	256QAM	1	49	18.58	18.63	18.60		
20	256QAM	1	99	18.52	18.56	18.55		
20	256QAM	50	0	18.57	18.62	18.55	19.5	5
20	256QAM	50	24	18.66	18.60	18.66		
20	256QAM	50	50	18.51	18.47	18.59		
20	256QAM	100	0	18.48	18.53	18.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.66	23.65	23.61	24.5	0
15	QPSK	1	37	23.53	23.44	23.54		
15	QPSK	1	74	23.47	23.52	23.42		
15	QPSK	36	0	22.51	22.61	22.59	23.5	1
15	QPSK	36	20	22.51	22.53	22.53		
15	QPSK	36	39	22.56	22.51	22.53		
15	QPSK	75	0	22.55	22.61	22.55		
15	16QAM	1	0	22.69	22.57	22.66	23.5	1
15	16QAM	1	37	22.43	22.39	22.58		
15	16QAM	1	74	22.55	22.52	22.41		
15	16QAM	36	0	21.57	21.64	21.60	22.5	2
15	16QAM	36	20	21.51	21.58	21.56		
15	16QAM	36	39	21.49	21.55	21.50		
15	16QAM	75	0	21.49	21.65	21.51		
15	64QAM	1	0	21.72	21.58	21.56	22.5	2
15	64QAM	1	37	21.51	21.42	21.58		
15	64QAM	1	74	21.52	21.41	21.35		
15	64QAM	36	0	20.53	20.62	20.52	21.5	3
15	64QAM	36	20	20.51	20.56	20.54		
15	64QAM	36	39	20.62	20.44	20.54		
15	64QAM	75	0	20.52	20.66	20.53		
15	256QAM	1	0	18.51	18.64	18.61	19.5	5
15	256QAM	1	37	18.50	18.59	18.54		
15	256QAM	1	74	18.46	18.48	18.51		
15	256QAM	36	0	18.54	18.61	18.51	19.5	5
15	256QAM	36	20	18.59	18.63	18.65		
15	256QAM	36	39	18.43	18.39	18.56		
15	256QAM	75	0	18.42	18.55	18.46		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.62	23.64	23.59	24.5	0
10	QPSK	1	25	23.51	23.49	23.50		
10	QPSK	1	49	23.58	23.54	23.49		
10	QPSK	25	0	22.58	22.67	22.57	23.5	1
10	QPSK	25	12	22.50	22.63	22.53		
10	QPSK	25	25	22.54	22.56	22.55		
10	QPSK	50	0	22.49	22.54	22.60		
10	16QAM	1	0	22.62	22.65	22.66	23.5	1
10	16QAM	1	25	22.48	22.37	22.50		
10	16QAM	1	49	22.51	22.51	22.45		
10	16QAM	25	0	21.58	21

Band 38 Ant3 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.43	24.58	24.47	25	0
20	QPSK	1	49	24.46	24.55	24.47		
20	QPSK	1	99	23.96	24.08	23.96		
20	QPSK	50	0	23.34	23.43	23.33	24	1
20	QPSK	50	24	23.32	23.40	23.26		
20	QPSK	50	50	23.26	23.35	23.27		
20	QPSK	100	0	23.31	23.41	23.32		
20	16QAM	1	0	23.20	23.26	23.17	24	1
20	16QAM	1	49	23.19	23.27	23.15		
20	16QAM	1	99	23.14	23.20	23.10		
20	16QAM	50	0	22.25	22.41	22.33	23	2
20	16QAM	50	24	22.25	22.40	22.29		
20	16QAM	50	50	22.38	22.42	22.31		
20	16QAM	100	0	22.31	22.44	22.35		
20	64QAM	1	0	22.38	22.52	22.42	23	2
20	64QAM	1	49	22.38	22.48	22.41		
20	64QAM	1	99	22.34	22.46	22.41		
20	64QAM	50	0	21.32	21.41	21.26	22	3
20	64QAM	50	24	21.28	21.36	21.21		
20	64QAM	50	50	21.26	21.35	21.26		
20	64QAM	100	0	21.40	21.48	21.35		
20	256QAM	1	0	19.24	19.39	19.33	20	5
20	256QAM	1	49	19.25	19.38	19.23		
20	256QAM	1	99	19.31	19.38	19.25		
20	256QAM	50	0	19.29	19.42	19.27	20	5
20	256QAM	50	24	19.24	19.38	19.24		
20	256QAM	50	50	19.34	19.41	19.35		
20	256QAM	100	0	19.40	19.46	19.31		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.34	24.53	24.47	25	0
15	QPSK	1	37	24.45	24.51	24.39		
15	QPSK	1	74	23.95	24.00	23.88		
15	QPSK	36	0	23.31	23.36	23.29	24	1
15	QPSK	36	20	23.26	23.32	23.27		
15	QPSK	36	39	23.25	23.26	23.27		
15	QPSK	75	0	23.26	23.43	23.34		
15	16QAM	1	0	23.17	23.19	23.09	24	1
15	16QAM	1	37	23.16	23.30	23.11		
15	16QAM	1	74	23.09	23.11	23.07		
15	16QAM	36	0	22.20	22.38	22.34	23	2
15	16QAM	36	20	22.23	22.40	22.24		
15	16QAM	36	39	22.29	22.41	22.29		
15	16QAM	75	0	22.32	22.41	22.32		
15	64QAM	1	0	22.36	22.51	22.45	23	2
15	64QAM	1	37	22.39	22.48	22.44		
15	64QAM	1	74	22.34	22.40	22.39		
15	64QAM	36	0	21.32	21.40	21.25	22	3
15	64QAM	36	20	21.19	21.36	21.12		
15	64QAM	36	39	21.28	21.32	21.18		
15	64QAM	75	0	21.37	21.41	21.37		
15	256QAM	1	0	19.24	19.36	19.27	20	5
15	256QAM	1	37	19.27	19.35	19.21		
15	256QAM	1	74	19.29	19.36	19.24		
15	256QAM	36	0	19.29	19.42	19.20	20	5
15	256QAM	36	20	19.16	19.39	19.26		
15	256QAM	36	39	19.29	19.36	19.30		
15	256QAM	75	0	19.32	19.48	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.43	24.52	24.38	25	0
10	QPSK	1	25	24.38	24.47	24.44		
10	QPSK	1	49	23.97	23.99	23.96		
10	QPSK	25	0	23.25	23.39	23.27	24	1
10	QPSK	25	12	23.28	23.39	23.29		
10	QPSK	25	25	23.25	23.35	23.26		
10	QPSK	50	0	23.29	23.39	23.26		
10	16QAM	1	0	23.11	23.24	23.09	24	1
10	16QAM	1	25	23.20	23.20	23.10		
10	16QAM	1	49	23.17	23.14	23.02		
10	16QAM	25	0	22.25	22.41	22.35	23	2
10	16QAM	25	12	22.26	22.33	22.24		
10	16QAM	25	25	22.32	22.41	22.23		
10	16QAM	50	0	22.34	22.37	22.37		
10	64QAM	1	0	22.34	22.51	22.39	23	2
10	64QAM	1	25	22.34	22.44	22.40		
10	64QAM	1	49	22.35	22.41	22.38		
10	64QAM	25	0	21.24	21.39	21.17	22	3
10	64QAM	25	12	21.25	21.31	21.21		
10	64QAM	25	25	21.25	21.35	21.25		
10	64QAM	50	0	21.42	21.44	21.27		
10	256QAM	1	0	19.23	19.42	19.35	20	5
10	256QAM	1	25	19.27	19.38	19.25		
10	256QAM	1	49	19.32	19.35	19.16		
10	256QAM	25	0	19.24	19.42	19.24	20	5
10	256QAM	25	12	19.26	19.41	19.26		
10	256QAM	25	25	19.26	19.34	19.36		
10	256QAM	50	0	19.41	19.46	19.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.37	24.54	24.49	25	0
5	QPSK	1	12	24.39	24.48	24.42		
5	QPSK	1	24	23.97	24.09	23.89		
5	QPSK	12	0	23.27	23.42	23.34	24	1
5	QPSK	12	7	23.35	23.36	23.20		
5	QPSK	12	13	23.22	23.30	23.28		
5	QPSK	25	0	23.22	23.41	23.30		
5	16QAM	1	0	23.22	23.25	23.15	24	1
5	16QAM	1	12	23.14	23.29	23.15		
5	16QAM	1	24	23.17	23.23	23.06		
5	16QAM	12	0	22.21	22.41	22.33	23	2
5	16QAM	12	7	22.18	22.36	22.23		
5	16QAM	12	13	22.36	22.35	22.24		
5	16QAM	25	0	22.29	22.41	22.35		
5	64QAM	1	0	22.30	22.53	22.35	23	2
5	64QAM	1	12	22.39	22.42	22.37		
5	64QAM	1	24	22.28	22.43	22.36		
5	64QAM	12	0	21.24	21.44	21.22	22	3
5	64QAM	12	7	21.31	21.30	21.21		
5	64QAM	12	13	21.22	21.28	21.24		
5	64QAM	25	0	21.36	21.42	21.37		
5	256QAM	1	0	19.21	19.36	19.27	20	5
5	256QAM	1	12	19.22	19.36	19.23		
5	256QAM	1	24	19.27	19.32	19.19		
5	256QAM	12	0	19.20	19.38	19.21	20	5
5	256QAM	12	7	19.22	19.40	19.20		
5	256QAM	12	13	19.30	19.34	19.29		
5	256QAM	25	0	19.38	19.44	19.22		

Band 41 Ant3 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.17	24.15	24.55	24.15	24.34	25	0
20	QPSK	1	49	24.11	24.16	24.42	24.09	24.30		
20	QPSK	1	99	24.13	24.15	24.50	24.12	24.32		
20	QPSK	50	0	23.17	23.20	23.51	23.18	23.38	24	1
20	QPSK	50	24	23.07	23.13	23.41	23.09	23.28		
20	QPSK	50	50	23.14	23.14	23.46	23.10	23.37		
20	QPSK	100	0	23.21	23.19	23.54	23.11	23.39		
20	16QAM	1	0	23.13	23.11	23.43	23.14	23.30	24	1
20	16QAM	1	49	23.12	23.14	23.38	23.15	23.26		
20	16QAM	1	99	23.17	23.10	23.49	23.13	23.35		
20	16QAM	50	0	22.22	22.23	22.51	22.19	22.35	23	2
20	16QAM	50	24	22.09	22.12	22.43	22.10	22.23		
20	16QAM	50	50	22.15	22.15	22.44	22.13	22.37		
20	16QAM	100	0	22.24	22.16	22.55	22.06	22.33		
20	64QAM	1	0	22.18	22.11	22.40	22.08	22.33	23	2
20	64QAM	1	49	22.09	22.09	22.34	22.11	22.20		
20	64QAM	1	99	22.17	22.13	22.51	22.07	22.33		
20	64QAM	50	0	21.20	21.24	21.52	21.20	21.35	22	3
20	64QAM	50	24	21.02	21.11	21.42	21.14	21.25		
20	64QAM	50	50	21.11	21.10	21.42	21.07	21.36		
20	64QAM	100	0	21.25	21.19	21.54	21.12	21.37		
20	256QAM	1	0	19.22	19.19	19.47	19.22	19.36	20	5
20	256QAM	1	49	19.04	19.16	19.41	19.13	19.24		
20	256QAM	1	99	19.16	19.14	19.49	19.11	19.36		
20	256QAM	50	0	19.18	19.21	19.59	19.07	19.37	20	5
20	256QAM	50	24	19.16	19.11	19.47	19.19	19.26		
20	256QAM	50	50	19.17	19.11	19.40	19.16	19.30		
20	256QAM	100	0	19.13	19.15	19.54	19.11	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.14	24.09	24.47	24.15	24.33	25	0
15	QPSK	1	37	24.12	24.11	24.33	24.10	24.33		
15	QPSK	1	74	24.13	24.13	24.51	24.03	24.32		
15	QPSK	36	0	23.12	23.20	23.49	23.14	23.39	24	1
15	QPSK	36	20	23.03	23.09	23.36	23.09	23.27		
15	QPSK	36	39	23.14	23.14	23.46	23.12	23.34		
15	QPSK	75	0	23.17	23.12	23.55	23.13	23.34		
15	16QAM	1	0	23.13	23.13	23.44	23.06	23.24	24	1
15	16QAM	1	37	23.06	23.10	23.37	23.16	23.25		
15	16QAM	1	74	23.16	23.01	23.51	23.11	23.32		
15	16QAM	36	0	22.20	22.20	22.54	22.14	22.31	23	2
15	16QAM	36	20	22.11	22.08	22.39	22.02	22.22		
15	16QAM	36	39	22.08	22.12	22.44	22.05	22.32		
15	16QAM	75	0	22.20	22.07	22.47	22.04	22.34		
15	64QAM	1	0	22.09	22.08	22.33	22.03	22.31	23	2
15	64QAM	1	37	22.04	22.11	22.33	22.06	22.20		
15	64QAM	1	74	22.17	22.07	22.45	22.00	22.27		
15	64QAM	36	0	21.14	21.19	21.45	21.15	21.28	22	3
15	64QAM	36	20	20.98	21.14	21.37	21.06	21.18		
15	64QAM	36	39	21.06	21.13	21.42	21.09	21.27		
15	64QAM	75	0	21.27	21.14	21.49	21.11	21.37		
15	256QAM	1	0	19.25	19.15	19.43	19.14	19.29	20	5
15	256QAM	1	37	18.97	19.07	19.40	19.15	19.16		
15	256QAM	1	74	19.14	19.06	19.49	19.12	19.34		
15	256QAM	36	0	19.10	19.17	19.53	19.00	19.35	20	5
15	256QAM	36	20	19.17	19.03	19.41	19.11	19.22		
15	256QAM	36	39	19.11	19.05	19.32	19.13	19.28		
15	256QAM	75	0	19.12	19.17	19.56	19.03	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.13	24.13	24.49	24.08	24.30	25	0
10	QPSK	1	25	24.09	24.10	24.45	24.10	24.26		
10	QPSK	1	49	24.13	24.18	24.52	24.07	24.29		
10	QPSK	25	0	23.15	23.15	23.54	23.13	23.30	24	1
10	QPSK	25	12	23.00	23.15	23.36	23.10	23.26		
10	QPSK	25	25	23.13	23.10	23.45	23.01	23.39		
10	QPSK	50	0	23.20	23.16	23.49	23.05	23.37		
10	16QAM	1	0	23.13	23.10	23.43	23.13	23.21	24	1
10	16QAM	1	25	23.12	23.15	23.31	23.09	23.19		
10	16QAM	1	49	23.19	23.09	23.52	23.06	23.28		
10	16QAM	25	0	22.21	22.20	22.52	22.13	22.27	23	2
10	16QAM	25	12	22.09	22.12	22.40	22.08	22.24		
10	16QAM	25	25	22.17	22.16	22.37	22.05	22.37		
10	16QAM	50	0	22.26	22.09	22.50	22.04	22.28		
10	64QAM	1	0	22.10	22.07	22.43	22.07	22.32	23	2
10	64QAM	1	25	22.03	22.01	22.31	22.08	22.21		
10	64QAM	1	49	22.10	22.14	22.43	22.03	22.27		
10	64QAM	25	0	21.13	21.23	21.50	21.12	21.35	22	3
10	64QAM	25	12	21.03	21.03	21.37	21.15	21.26		
10	64QAM	25	25	21.10	21.11	21.39	21.07	21.36		
10	64QAM	50	0	21.18	21.21	21.54	21.12	21.36		
10	256QAM	1	0	19.14	19.12	19.39	19.15	19.28	20	5
10	256QAM	1	25	19.06	19.15	19.44	19.06	19.22		
10	256QAM	1	49	19.13	19.13	19.46	19.02	19.37		
10	256QAM	25	0	19.17	19.23	19.58	19.03	19.34	20	5
10	256QAM	25	12	19.11	19.04	19.42	19.21	19.26		
10	256QAM	25	25	19.17	19.13	19.39	19.16	19.27		
10	256QAM	50	0	19.10	19.11	19.45	19.06	19.33		
Channel				39675	40140	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.10	24.15	24.40	24.09	24.30	25	0
5	QPSK	1	12	24.09	24.16	24.36	24.01	24.32		
5	QPSK	1	24	24.07	24.14	24.42	24.09	24.23		
5	QPSK	12	0	23.12	23.12	23.44	23.14	23.32	24	1
5	QPSK	12	7	23.04	23.07	23.37	23.06	23.23		
5	QPSK	12	13	23.08	23.17	23.38	23.03	23.38		
5	QPSK	25	0	23.20	23.16	23.55	23.06	23.35		
5	16QAM	1	0	23.10	23.06	23.41	23.09	23.30	24	1
5	16QAM	1	12	23.06	23.06	23.37	23.07	23.25		
5	16QAM	1	24	23.09	23.11	23.52	23.10	23.32		
5	16QAM	12	0	22.20	22.24	22.44	22.16	22.34	23	2
5	16QAM	12	7	22.02	22.10	22.43	22.12	22.26		
5	16QAM	12	13	22.12	22.06	22.38	22.09	22.38		
5	16QAM	25	0	22.18	22.19	22.46	22.01	22.34		
5	64QAM	1	0	22.14	22.08	22.34	22.04	22.27	23	2
5	64QAM	1	12	22.09	22.04	22.34	22.12	22.16		
5	64QAM	1	24	22.09	22.04	22.43	22.03	22.24		
5	64QAM	12	0	21.15	21.27	21.51	21.15	21.37	22	3
5	64QAM	12	7	20.94	21.13	21.44	21.09	21.18		
5	64QAM	12	13	21.08	21.13	21.41	21.01	21.36		
5	64QAM	25	0	21.20	21.18	21.47	21.04	21.36		
5	256QAM	1	0	19.16	19.14	19.46	19.21	19.37	20	5
5	256QAM	1	12	19.00	19.16	19.33	19.10	19.15		
5	256QAM	1	24	19.19	19.11	19.46	19.11	19.29		
5	256QAM	12	0	19.17	19.22	19.51	19.08	19.37	20	5
5	256QAM	12	7	19.19	19.09	19.42	19.22	19.27		
5	256QAM	12	13	19.12	19.06	19.43	19.09	19.28		
5	256QAM	25	0	19.08	19.15	19.49	19.09	19.26		

Band 7 Ant4 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.37	20.58	20.36	21.5	0
20	QPSK	1	49	20.27	20.51	20.32		
20	QPSK	1	99	20.21	20.30	20.30		
20	QPSK	50	0	20.27	20.37	20.36	21.5	0
20	QPSK	50	24	20.22	20.31	20.22		
20	QPSK	50	50	20.13	20.18	20.07		
20	QPSK	100	0	20.26	20.40	20.32		
20	16QAM	1	0	20.21	20.14	20.03	21.5	0
20	16QAM	1	49	20.18	20.28	20.04		
20	16QAM	1	99	20.21	20.16	20.00		
20	16QAM	50	0	20.14	20.19	20.15	21.5	0
20	16QAM	50	24	20.19	20.34	20.05		
20	16QAM	50	50	20.19	20.25	20.23		
20	16QAM	100	0	20.15	20.18	20.15		
20	64QAM	1	0	20.27	20.55	20.27	21.5	0
20	64QAM	1	49	20.44	20.37	20.37		
20	64QAM	1	99	20.28	20.42	20.33		
20	64QAM	50	0	20.28	20.40	20.28	21.5	0
20	64QAM	50	24	20.14	20.21	20.18		
20	64QAM	50	50	20.04	20.31	20.11		
20	64QAM	100	0	20.24	20.37	20.11		
20	256QAM	1	0	19.29	19.42	19.32	20.5	1
20	256QAM	1	49	19.27	19.36	19.23		
20	256QAM	1	99	19.32	19.38	19.26		
20	256QAM	50	0	19.43	19.49	19.32	20.5	1
20	256QAM	50	24	19.33	19.48	19.33		
20	256QAM	50	50	19.31	19.42	19.27		
20	256QAM	100	0	19.36	19.45	19.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.39	20.39	20.31	21.5	0
15	QPSK	1	37	20.15	20.31	20.17		
15	QPSK	1	74	20.07	20.25	20.30		
15	QPSK	36	0	20.19	20.24	20.18	21.5	0
15	QPSK	36	20	20.09	20.19	20.05		
15	QPSK	36	39	20.19	20.22	20.03		
15	QPSK	75	0	20.15	20.20	20.16		
15	16QAM	1	0	19.95	20.12	20.01	21.5	0
15	16QAM	1	37	19.92	20.10	19.83		
15	16QAM	1	74	19.88	20.04	19.98		
15	16QAM	36	0	20.17	20.14	20.07	21.5	0
15	16QAM	36	20	20.07	20.04	19.90		
15	16QAM	36	39	20.06	20.16	20.02		
15	16QAM	75	0	20.15	20.21	19.91		
15	64QAM	1	0	20.15	20.29	20.26	21.5	0
15	64QAM	1	37	20.29	20.41	20.18		
15	64QAM	1	74	20.11	20.18	20.17		
15	64QAM	36	0	20.09	20.24	20.09	21.5	0
15	64QAM	36	20	19.98	20.02	19.98		
15	64QAM	36	39	20.01	20.01	19.96		
15	64QAM	75	0	20.30	20.16	20.21		
15	256QAM	1	0	19.25	19.37	19.29	20.5	1
15	256QAM	1	37	19.28	19.34	19.21		
15	256QAM	1	74	19.33	19.33	19.28		
15	256QAM	36	0	19.37	19.46	19.29	20.5	1
15	256QAM	36	20	19.29	19.39	19.25		
15	256QAM	36	39	19.27	19.36	19.23		
15	256QAM	75	0	19.30	19.42	19.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.34	20.52	20.27	21.5	0
10	QPSK	1	25	20.19	20.46	20.19		
10	QPSK	1	49	20.24	20.22	20.20		
10	QPSK	25	0	20.10	20.29	20.26	21.5	0
10	QPSK	25	12	20.17	20.16	20.10		
10	QPSK	25	25	20.14	20.13	20.03		
10	QPSK	50	0	20.14	20.31	20.08		
10	16QAM	1	0	19.96	20.13	20.00	21.5	0
10	16QAM	1	25	19.90	20.09	19.91		
10	16QAM	1	49	20.09	20.16	19.88		
10	16QAM	25	0	20.20	20.15	20.14	21.5	0
10	16QAM	25	12	20.01	20.24	19.98		
10	16QAM	25	25	19.94	20.08	20.13		
10	16QAM	50	0	20.16	20.23	19.93		
10	64QAM	1	0	20.28	20.36	20.14	21.5	0
10	64QAM	1	25	20.34	20.36	20.34		
10	64QAM	1	49	20.07	20.28	20.15		
10	64QAM	25	0	20.03	20.27	20.04	21.5	0
10	64QAM	25	12	20.02	20.19	20.00		
10	64QAM	25	25	19.90	20.18	19.86		
10	64QAM	50	0	20.25	20.16	20.04		
10	256QAM	1	0	19.23	19.37	19.31	20.5	1
10	256QAM	1	25	19.23	19.36	19.17		
10	256QAM	1	49	19.31	19.37	19.19		
10	256QAM	25	0	19.35	19.47	19.30	20.5	1
10	256QAM	25	12	19.31	19.40	19.28		
10	256QAM	25	25	19.31	19.40	19.20		
10	256QAM	50	0	19.35	19.42	19.29		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.23	20.36	20.25	21.5	0
5	QPSK	1	12	20.19	20.49	20.34		
5	QPSK	1	24	20.23	20.34	20.28		
5	QPSK	12	0	20.17	20.28	20.20	21.5	0
5	QPSK	12	7	20.28	20.32	20.04		
5	QPSK	12	13	19.98	20.06	20.09		
5	QPSK	25	0	20.23	20.25	20.19		
5	16QAM	1	0	20.07	20.23	20.05	21.5	0
5	16QAM	1	12	20.01	20.11	19.98		
5	16QAM	1	24	19.99	20.03	19.93		
5	16QAM	12	0	20.02	20.24	19.95	21.5	0
5	16QAM	12	7	20.15	20.19	20.10		
5	16QAM	12	13	20.17	20.18	19.97		
5	16QAM	25	0	20.04	20.25	19.98		
5	64QAM	1	0	20.16	20.36	20.29	21.5	0
5	64QAM	1	12	20.35	20.36	20.30		
5	64QAM	1	24	20.16	20.36	20.26		
5	64QAM	12	0	20.07	20.24	20.17	21.5	0
5	64QAM	12	7	20.11	20.18	19.85		
5	64QAM	12	13	20.06	20.15	20.03		
5	64QAM	25	0	20.14	20.33	20.13		
5	256QAM	1	0	19.21	19.41	19.29	20.5	1
5	256QAM	1	12	19.30	19.36	19.26		
5	256QAM	1	24	19.29	19.30	19.25		
5	256QAM	12	0	19.40	19.49	19.29	20.5	1
5	256QAM	12	7	19.31	19.42	19.35		
5	256QAM	12	13	19.26	19.38	19.20		
5	256QAM	25	0	19.28	19.41	19.24		

Band 7 Ant4 DSI4 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.48	20.57	20.44	21.5	0
20	QPSK	1	49	20.37	20.48	20.42		
20	QPSK	1	99	20.42	20.47	20.23		
20	QPSK	50	0	20.30	20.50	20.33	21.5	0
20	QPSK	50	24	20.22	20.47	20.34		
20	QPSK	50	50	20.15	20.35	20.05		
20	QPSK	100	0	20.17	20.35	20.17		
20	16QAM	1	0	20.07	20.27	20.24	21.5	0
20	16QAM	1	49	20.09	20.20	19.91		
20	16QAM	1	99	20.11	20.29	20.12		
20	16QAM	50	0	20.29	20.32	20.09	21.5	0
20	16QAM	50	24	20.24	20.34	20.11		
20	16QAM	50	50	20.17	20.29	20.23		
20	16QAM	100	0	20.22	20.38	20.12		
20	64QAM	1	0	20.31	20.51	20.33	21.5	0
20	64QAM	1	49	20.27	20.37	20.43		
20	64QAM	1	99	20.37	20.28	20.28		
20	64QAM	50	0	20.30	20.36	20.11	21.5	0
20	64QAM	50	24	20.10	20.20	19.96		
20	64QAM	50	50	20.22	20.27	19.98		
20	64QAM	100	0	20.19	20.28	20.22		
20	256QAM	1	0	19.31	19.43	19.09	20.5	1
20	256QAM	1	49	19.17	19.38	18.98		
20	256QAM	1	99	19.19	19.26	18.96		
20	256QAM	50	0	19.36	19.36	19.09	20.5	1
20	256QAM	50	24	19.26	19.31	19.10		
20	256QAM	50	50	19.22	19.24	19.02		
20	256QAM	100	0	19.18	19.24	19.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.42	20.51	20.45	21.5	0
15	QPSK	1	37	20.36	20.40	20.20		
15	QPSK	1	74	20.28	20.32	20.28		
15	QPSK	36	0	20.24	20.32	20.09	21.5	0
15	QPSK	36	20	20.12	20.30	20.26		
15	QPSK	36	39	20.05	20.11	19.98		
15	QPSK	75	0	20.15	20.20	20.19		
15	16QAM	1	0	19.94	20.06	19.93	21.5	0
15	16QAM	1	37	20.04	20.12	20.01		
15	16QAM	1	74	20.08	20.18	19.90		
15	16QAM	36	0	20.17	20.18	19.97	21.5	0
15	16QAM	36	20	19.97	20.06	19.98		
15	16QAM	36	39	20.02	20.23	20.02		
15	16QAM	75	0	19.99	20.26	19.94		
15	64QAM	1	0	20.20	20.32	20.28	21.5	0
15	64QAM	1	37	20.16	20.22	20.15		
15	64QAM	1	74	20.12	20.17	20.21		
15	64QAM	36	0	20.07	20.07	20.09	21.5	0
15	64QAM	36	20	19.90	20.19	19.96		
15	64QAM	36	39	19.91	20.17	20.05		
15	64QAM	75	0	20.13	20.21	20.20		
15	256QAM	1	0	19.28	19.42	19.06	20.5	1
15	256QAM	1	37	19.12	19.34	18.95		
15	256QAM	1	74	19.20	19.25	18.87		
15	256QAM	36	0	19.36	19.32	19.02	20.5	1
15	256QAM	36	20	19.19	19.26	19.07		
15	256QAM	36	39	19.16	19.25	18.99		
15	256QAM	75	0	19.11	19.25	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.25	20.31	20.30	21.5	0
10	QPSK	1	25	20.29	20.28	20.16		
10	QPSK	1	49	20.20	20.33	20.32		
10	QPSK	25	0	20.28	20.20	20.16	21.5	0
10	QPSK	25	12	20.22	20.23	20.19		
10	QPSK	25	25	20.20	20.04	20.07		
10	QPSK	50	0	20.07	20.31	20.16		
10	16QAM	1	0	20.12	20.06	19.96	21.5	0
10	16QAM	1	25	20.09	20.22	19.82		
10	16QAM	1	49	19.95	20.01	20.04		
10	16QAM	25	0	20.12	20.30	20.08	21.5	0
10	16QAM	25	12	19.99	20.17	19.92		
10	16QAM	25	25	20.15	20.24	19.99		
10	16QAM	50	0	20.14	20.21	20.10		
10	64QAM	1	0	20.16	20.45	20.29	21.5	0
10	64QAM	1	25	20.21	20.36	20.31		
10	64QAM	1	49	20.23	20.30	20.18		
10	64QAM	25	0	19.99	20.14	20.09	21.5	0
10	64QAM	25	12	19.94	20.09	19.92		
10	64QAM	25	25	19.89	20.00	19.97		
10	64QAM	50	0	20.25	20.25	20.09		
10	256QAM	1	0	19.34	19.35	19.02	20.5	1
10	256QAM	1	25	19.12	19.33	18.89		
10	256QAM	1	49	19.22	19.20	18.90		
10	256QAM	25	0	19.35	19.34	19.07	20.5	1
10	256QAM	25	12	19.17	19.23	19.06		
10	256QAM	25	25	19.15	19.15	19.04		
10	256QAM	50	0	19.10	19.25	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.45	20.36	20.38	21.5	0
5	QPSK	1	12	20.32	20.27	20.31		
5	QPSK	1	24	20.18	20.25	20.21		
5	QPSK	12	0	20.11	20.30	20.26	21.5	0
5	QPSK	12	7	20.11	20.21	20.05		
5	QPSK	12	13	20.00	20.11	19.93		
5	QPSK	25	0	20.22	20.17	20.20		
5	16QAM	1	0	20.01	20.02	19.93	21.5	0
5	16QAM	1	12	19.91	20.21	19.83		
5	16QAM	1	24	20.08	20.12	19.95		
5	16QAM	12	0	20.03	20.31	20.01	21.5	0
5	16QAM	12	7	20.00	20.03	20.07		
5	16QAM	12	13	20.08	20.15	19.97		
5	16QAM	25	0	20.13	20.19	19.93		
5	64QAM	1	0	20.21	20.45	20.28	21.5	0
5	64QAM	1	12	20.33	20.29	20.34		
5	64QAM	1	24	20.22	20.38	20.04		
5	64QAM	12	0	20.16	20.20	20.12	21.5	0
5	64QAM	12	7	19.93	19.98	19.93		
5	64QAM	12	13	20.11	20.15	20.03		
5	64QAM	25	0	20.08	20.16	20.12		
5	256QAM	1	0	19.30	19.43	19.01	20.5	1
5	256QAM	1	12	19.11	19.29	19.00		
5	256QAM	1	24	19.21	19.28	18.91		
5	256QAM	12	0	19.36	19.39	19.09	20.5	1
5	256QAM	12	7	19.23	19.23	19.03		
5	256QAM	12	13	19.17	19.20	19.04		
5	256QAM	25	0	19.09	19.18	19.06		

Band 38 Ant4 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.12	20.18	19.96	21.5	0
20	QPSK	1	49	20.05	20.12	19.91		
20	QPSK	1	99	19.97	20.07	19.82		
20	QPSK	50	0	20.04	20.17	19.80	21.5	0
20	QPSK	50	24	19.90	20.00	19.66		
20	QPSK	50	50	19.74	19.81	19.54		
20	QPSK	100	0	19.92	20.03	19.72		
20	16QAM	1	0	20.03	20.13	19.87	21.5	0
20	16QAM	1	49	19.97	20.03	19.77		
20	16QAM	1	99	19.95	20.03	19.80		
20	16QAM	50	0	20.07	20.15	19.84	21.5	0
20	16QAM	50	24	20.01	20.08	19.82		
20	16QAM	50	50	20.04	20.06	19.88		
20	16QAM	100	0	20.01	19.98	19.91		
20	64QAM	1	0	20.10	20.16	20.04	21.5	0
20	64QAM	1	49	19.92	20.10	19.76		
20	64QAM	1	99	20.05	20.15	20.01		
20	64QAM	50	0	20.07	20.14	19.88	21.5	0
20	64QAM	50	24	20.04	20.14	19.82		
20	64QAM	50	50	20.05	20.13	19.85		
20	64QAM	100	0	20.05	20.07	19.70		
20	256QAM	1	0	19.10	19.21	18.95	20.5	1
20	256QAM	1	49	19.07	19.19	18.84		
20	256QAM	1	99	19.09	19.18	18.86		
20	256QAM	50	0	19.02	19.15	18.80	20.5	1
20	256QAM	50	24	18.99	19.05	18.79		
20	256QAM	50	50	19.01	19.05	18.82		
20	256QAM	100	0	19.10	19.20	18.94		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.93	20.10	19.81	21.5	0
15	QPSK	1	37	19.98	20.09	19.69		
15	QPSK	1	74	19.99	20.02	19.80		
15	QPSK	36	0	20.00	20.01	19.73	21.5	0
15	QPSK	36	20	19.94	20.08	19.96		
15	QPSK	36	39	19.94	19.98	19.75		
15	QPSK	75	0	19.89	20.02	19.69		
15	16QAM	1	0	19.99	20.06	19.92	21.5	0
15	16QAM	1	37	20.01	20.00	19.94		
15	16QAM	1	74	19.96	19.92	19.91		
15	16QAM	36	0	19.94	20.12	19.83	21.5	0
15	16QAM	36	20	20.03	19.90	19.62		
15	16QAM	36	39	19.84	19.99	19.67		
15	16QAM	75	0	19.88	20.04	19.80		
15	64QAM	1	0	20.01	19.96	20.06	21.5	0
15	64QAM	1	37	19.88	20.09	20.06		
15	64QAM	1	74	20.01	20.17	19.99		
15	64QAM	36	0	19.91	20.11	19.83	21.5	0
15	64QAM	36	20	19.94	20.04	19.77		
15	64QAM	36	39	19.93	20.00	19.81		
15	64QAM	75	0	19.96	20.17	19.64		
15	256QAM	1	0	19.06	19.20	18.88	20.5	1
15	256QAM	1	37	19.02	19.20	18.79		
15	256QAM	1	74	19.12	19.11	18.87		
15	256QAM	36	0	18.97	19.13	18.71	20.5	1
15	256QAM	36	20	18.99	19.06	18.73		
15	256QAM	36	39	19.02	18.99	18.79		
15	256QAM	75	0	19.08	19.15	18.96		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.01	20.12	19.81	21.5	0
10	QPSK	1	25	19.90	20.14	19.89		
10	QPSK	1	49	19.94	20.05	19.61		
10	QPSK	25	0	19.84	20.03	19.77	21.5	0
10	QPSK	25	12	19.92	20.06	19.81		
10	QPSK	25	25	20.02	20.02	19.78		
10	QPSK	50	0	20.03	20.00	19.65		
10	16QAM	1	0	19.94	20.16	19.80	21.5	0
10	16QAM	1	25	19.89	20.07	19.61		
10	16QAM	1	49	19.98	20.10	19.73		
10	16QAM	25	0	19.88	19.93	19.86	21.5	0
10	16QAM	25	12	19.86	20.00	19.58		
10	16QAM	25	25	19.85	19.99	19.69		
10	16QAM	50	0	20.04	20.07	19.60		
10	64QAM	1	0	20.03	19.97	19.67	21.5	0
10	64QAM	1	25	20.03	20.13	20.12		
10	64QAM	1	49	20.00	20.09	19.97		
10	64QAM	25	0	19.89	20.06	19.70	21.5	0
10	64QAM	25	12	20.02	20.08	19.64		
10	64QAM	25	25	20.00	20.04	19.74		
10	64QAM	50	0	19.94	20.16	19.81		
10	256QAM	1	0	19.13	19.13	18.92	20.5	1
10	256QAM	1	25	19.00	19.13	18.80		
10	256QAM	1	49	19.00	19.13	18.79		
10	256QAM	25	0	19.03	19.12	18.83	20.5	1
10	256QAM	25	12	18.91	19.04	18.74		
10	256QAM	25	25	18.98	18.99	18.77		
10	256QAM	50	0	19.04	19.16	18.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.12	20.07	19.83	21.5	0
5	QPSK	1	12	19.93	20.05	19.74		
5	QPSK	1	24	19.93	20.05	19.74		
5	QPSK	12	0	19.92	20.16	19.68	21.5	0
5	QPSK	12	7	19.85	20.11	19.65		
5	QPSK	12	13	20.00	20.05	19.67		
5	QPSK	25	0	20.01	20.16	19.72		
5	16QAM	1	0	19.98	20.11	19.67	21.5	0
5	16QAM	1	12	19.85	20.09	19.79		
5	16QAM	1	24	19.85	20.09	19.79		
5	16QAM	12	0	20.02	20.17	19.60	21.5	0
5	16QAM	12	7	20.02	20.17	19.60		
5	16QAM	12	13	20.02	20.17	19.60		
5	16QAM	25	0	19.89	20.16	19.61		
5	64QAM	1	0	19.89	20.16	19.94	21.5	0
5	64QAM	1	12	20.05	20.06	20.11		
5	64QAM	1	24	19.83	20.16	19.95		
5	64QAM	12	0	20.04	20.06	19.72	21.5	0
5	64QAM	12	7	19.92	20.12	19.82		
5	64QAM	12	13	20.02	20.06	19.86		
5	64QAM	25	0	19.94	20.05	19.65		
5	256QAM	1	0	19.01	19.18	18.91	20.5	1
5	256QAM	1	12	19.05	19.10	18.86		
5	256QAM	1	24	19.03	19.14	18.81		
5	256QAM	12	0	18.99	19.06	18.83	20.5	1
5	256QAM	12	7	18.96	19.03	18.73		
5	256QAM	12	13	19.03	19.04	18.76		
5	256QAM	25	0	19.03	19.22	18.91		

Band 41 Ant4 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.44	20.27	20.54	20.35	20.48	21.5	0
20	QPSK	1	49	20.28	20.21	20.34	20.21	20.35		
20	QPSK	1	99	20.31	20.09	20.39	20.18	20.31		
20	QPSK	50	0	20.39	20.16	20.51	20.07	20.44	21.5	0
20	QPSK	50	24	20.17	20.03	20.41	20.07	20.16		
20	QPSK	50	50	19.92	19.91	20.20	19.76	20.15		
20	QPSK	100	0	20.12	19.94	20.27	20.13	20.25		
20	16QAM	1	0	20.28	20.25	20.50	20.19	20.22	21.5	0
20	16QAM	1	49	20.32	20.02	20.23	19.99	20.35		
20	16QAM	1	99	20.22	19.97	20.20	20.03	20.31		
20	16QAM	50	0	20.40	20.09	20.50	20.22	20.42	21.5	0
20	16QAM	50	24	20.35	20.19	20.45	20.17	20.31		
20	16QAM	50	50	20.26	20.09	20.25	20.24	20.38		
20	16QAM	100	0	20.52	20.18	20.52	20.28	20.05		
20	64QAM	1	0	20.40	20.43	20.39	20.42	20.40	21.5	0
20	64QAM	1	49	20.46	20.43	20.26	20.48	20.39		
20	64QAM	1	99	20.34	20.32	20.41	20.32	20.23		
20	64QAM	50	0	20.39	20.21	20.38	20.18	20.42	21.5	0
20	64QAM	50	24	20.44	20.17	20.34	20.08	20.40		
20	64QAM	50	50	20.45	20.05	20.51	20.24	20.43		
20	64QAM	100	0	20.33	20.04	20.45	20.41	20.18		
20	256QAM	1	0	19.34	19.28	19.68	19.43	18.60	20.5	1
20	256QAM	1	49	19.28	19.18	19.53	19.39	18.58		
20	256QAM	1	99	19.26	19.18	19.55	19.40	18.55		
20	256QAM	50	0	19.19	19.35	19.62	19.42	18.50	20.5	1
20	256QAM	50	24	19.18	19.18	19.74	19.41	18.57		
20	256QAM	50	50	19.29	19.34	19.61	19.42	18.50		
20	256QAM	100	0	19.26	19.19	19.62	19.47	18.57		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.44	20.48	20.05	20.24	20.47	21.5	0
15	QPSK	1	37	20.27	20.20	20.17	20.22	20.35		
15	QPSK	1	74	20.27	20.30	20.01	20.16	20.15		
15	QPSK	36	0	20.28	20.30	20.02	19.99	20.43	21.5	0
15	QPSK	36	20	19.96	20.21	19.89	20.07	19.99		
15	QPSK	36	39	19.90	20.18	19.87	19.71	20.11		
15	QPSK	75	0	19.91	20.18	19.92	20.05	20.27		
15	16QAM	1	0	20.17	20.32	20.21	20.01	20.08	21.5	0
15	16QAM	1	37	20.33	20.14	19.83	19.82	20.13		
15	16QAM	1	74	20.15	20.17	19.77	19.92	20.24		
15	16QAM	36	0	20.20	20.37	20.08	20.24	20.37	21.5	0
15	16QAM	36	20	20.16	20.27	20.18	20.15	20.32		
15	16QAM	36	39	20.16	20.19	20.01	20.05	20.29		
15	16QAM	75	0	20.39	20.06	20.16	20.12	20.12		
15	64QAM	1	0	20.32	20.32	20.34	20.37	20.24	21.5	0
15	64QAM	1	37	20.43	20.38	20.30	20.35	20.40		
15	64QAM	1	74	20.35	20.28	20.19	20.12	20.16		
15	64QAM	36	0	20.31	20.16	20.00	20.18	20.42	21.5	0
15	64QAM	36	20	20.39	20.30	19.99	20.09	20.25		
15	64QAM	36	39	20.44	20.34	20.03	20.15	20.22		
15	64QAM	75	0	20.16	20.24	19.91	20.22	20.01		
15	256QAM	1	0	19.27	19.26	19.64	19.38	18.83	20.5	1
15	256QAM	1	37	19.24	19.15	19.54	19.36	18.69		
15	256QAM	1	74	19.20	19.21	19.54	19.31	18.74		
15	256QAM	36	0	19.22	19.34	19.58	19.37	18.71	20.5	1
15	256QAM	36	20	19.14	19.17	19.67	19.42	18.76		
15	256QAM	36	39	19.31	19.31	19.53	19.43	18.64		
15	256QAM	75	0	19.24	19.14	19.60	19.40	18.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.29	20.39	20.20	20.17	20.46	22	0
10	QPSK	1	25	20.27	20.16	20.19	20.16	20.29		
10	QPSK	1	49	20.26	20.21	19.94	19.96	20.17		
10	QPSK	25	0	20.27	20.41	20.18	19.98	20.25	21.5	0
10	QPSK	25	12	20.14	20.23	19.95	19.87	20.16		
10	QPSK	25	25	19.77	20.17	19.78	19.68	20.07		
10	QPSK	50	0	20.07	20.13	19.87	20.12	20.12		
10	16QAM	1	0	20.24	20.28	20.17	20.12	20.11	21.5	0
10	16QAM	1	25	20.11	20.07	19.94	19.80	20.19		
10	16QAM	1	49	20.13	20.05	19.82	20.02	20.32		
10	16QAM	25	0	20.24	20.31	20.07	20.17	20.37	21.5	0
10	16QAM	25	12	20.24	20.35	20.10	20.06	20.26		
10	16QAM	25	25	20.08	20.12	19.94	20.07	20.37		
10	16QAM	50	0	20.49	20.21	20.02	20.25	20.06		
10	64QAM	1	0	20.24	20.35	20.25	20.35	20.20	21.5	0
10	64QAM	1	25	20.43	20.44	20.23	20.45	20.17		
10	64QAM	1	49	20.13	20.28	20.26	20.14	20.09		
10	64QAM	25	0	20.36	20.34	20.13	19.98	20.38	21.5	0
10	64QAM	25	12	20.32	20.28	19.98	19.95	20.33		
10	64QAM	25	25	20.36	20.35	19.97	20.17	20.24		
10	64QAM	50	0	20.33	20.39	19.84	20.25	20.09		
10	256QAM	1	0	19.34	19.24	19.62	19.35	18.76	20.5	1
10	256QAM	1	25	19.21	19.14	19.51	19.33	18.71		
10	256QAM	1	49	19.26	19.20	19.58	19.40	18.69		
10	256QAM	25	0	19.19	19.37	19.54	19.35	18.71	20.5	1
10	256QAM	25	12	19.12	19.10	19.67	19.39	18.72		
10	256QAM	25	25	19.23	19.31	19.63	19.44	18.64		
10	256QAM	50	0	19.23	19.18	19.54	19.43	18.73		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.25	20.32	20.06	20.16	20.45	22	0
5	QPSK	1	12	20.25	20.17	20.18	20.14	20.16		
5	QPSK	1	24	20.10	20.27	20.09	20.06	20.27		
5	QPSK	12	0	20.30	20.32	20.10	19.93	20.44	21.5	0
5	QPSK	12	7	20.14	20.43	19.98	20.01	20.16		
5	QPSK	12	13	19.78	20.19	19.86	19.74	19.94		
5	QPSK	25	0	20.08	20.16	19.83	20.00	20.23		
5	16QAM	1	0	20.09	20.41	20.25	20.06	20.14	21.5	0
5	16QAM	1	12	20.21	20.19	19.92	19.87	20.29		
5	16QAM	1	24	20.04	20.02	19.87	19.93	20.09		
5	16QAM	12	0	20.28	20.47	20.03	20.01	20.34	21.5	0
5	16QAM	12	7	20.19	20.32	20.10	20.06	20.16		
5	16QAM	12	13	20.05	20.03	19.96	20.26	20.16		
5	16QAM	25	0	20.31	20.28	20.10	20.06	20.28		
5	64QAM	1	0	20.42	20.28	20.42	20.22	20.33	21.5	0
5	64QAM	1	12	20.34	20.47	20.21	20.43	20.23		
5	64QAM	1	24	20.30	20.33	20.11	20.12	20.17		
5	64QAM	12	0	20.23	20.19	20.17	20.14	20.43	21.5	0
5	64QAM	12	7	20.44	20.23	20.17	19.95	20.29		
5	64QAM	12	13	20.33	20.39	19.91	20.19	20.31		
5	64QAM	25	0	20.11	20.27	19.85	20.23	20.12		
5	256QAM	1	0	19.30	19.29	19.69	19.42	18.75	20.5	1
5	256QAM	1	12	19.31	19.17	19.55	19.42	18.75		
5	256QAM	1	24	19.27	19.11	19.46	19.39	18.76		
5	256QAM	12	0	19.20	19.29	19.59	19.40	18.62	20.5	1
5	256QAM	12	7	19.18	19.20	19.70	19.36	18.72		
5	256QAM	12	13	19.22	19.34	19.56	19.34	18.67		
5	256QAM	25	0	19.19	19.18	19.64	19.49	18.77		

Band 7 Ant5 DSI4 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.67	18.85	18.75	20	0
20	QPSK	1	49	18.61	18.79	18.71		
20	QPSK	1	99	18.70	18.78	18.73		
20	QPSK	50	0	18.68	18.73	18.64	20	0
20	QPSK	50	24	18.70	18.66	18.68		
20	QPSK	50	50	18.51	18.59	18.65		
20	QPSK	100	0	18.50	18.57	18.50		
20	16QAM	1	0	18.64	18.67	18.55	20	0
20	16QAM	1	49	18.63	18.84	18.60		
20	16QAM	1	99	18.55	18.63	18.66		
20	16QAM	50	0	18.70	18.73	18.69	20	0
20	16QAM	50	24	18.66	18.68	18.60		
20	16QAM	50	50	18.57	18.63	18.66		
20	16QAM	100	0	18.73	18.70	18.63		
20	64QAM	1	0	18.62	18.61	18.63	20	0
20	64QAM	1	49	18.58	18.61	18.63		
20	64QAM	1	99	18.56	18.64	18.61		
20	64QAM	50	0	17.68	17.65	17.66	19	1
20	64QAM	50	24	17.58	17.67	17.66		
20	64QAM	50	50	17.58	17.64	17.60		
20	64QAM	100	0	17.53	17.61	17.53		
20	256QAM	1	0	15.62	15.70	15.70	17	3
20	256QAM	1	49	15.59	15.61	15.58		
20	256QAM	1	99	15.59	15.64	15.64		
20	256QAM	50	0	15.58	15.62	15.63	17	3
20	256QAM	50	24	15.65	15.68	15.71		
20	256QAM	50	50	15.58	15.56	15.50		
20	256QAM	100	0	15.67	15.73	15.69		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.82	18.76	18.65	20	0
15	QPSK	1	37	18.65	18.82	18.83		
15	QPSK	1	74	18.65	18.61	18.69		
15	QPSK	36	0	18.55	18.64	18.69	20	0
15	QPSK	36	20	18.52	18.55	18.70		
15	QPSK	36	39	18.53	18.62	18.51		
15	QPSK	75	0	18.53	18.67	18.61		
15	16QAM	1	0	18.82	18.80	18.84	20	0
15	16QAM	1	37	18.51	18.79	18.60		
15	16QAM	1	74	18.53	18.55	18.66		
15	16QAM	36	0	18.62	18.72	18.66	20	0
15	16QAM	36	20	18.60	18.71	18.60		
15	16QAM	36	39	18.58	18.64	18.59		
15	16QAM	75	0	18.65	18.69	18.54		
15	64QAM	1	0	18.60	18.56	18.59	20	0
15	64QAM	1	37	18.57	18.63	18.66		
15	64QAM	1	74	18.55	18.56	18.52		
15	64QAM	36	0	17.67	17.63	17.63	19	1
15	64QAM	36	20	17.52	17.67	17.57		
15	64QAM	36	39	17.58	17.65	17.56		
15	64QAM	75	0	17.53	17.53	17.52		
15	256QAM	1	0	15.56	15.73	15.63	17	3
15	256QAM	1	37	15.55	15.63	15.53		
15	256QAM	1	74	15.54	15.55	15.63		
15	256QAM	36	0	15.56	15.55	15.61	17	3
15	256QAM	36	20	15.56	15.69	15.68		
15	256QAM	36	39	15.54	15.58	15.50		
15	256QAM	75	0	15.60	15.73	15.63		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.62	18.68	18.76	20	0
10	QPSK	1	25	18.77	18.63	18.74		
10	QPSK	1	49	18.72	18.75	18.64		
10	QPSK	25	0	18.64	18.65	18.57	20	0
10	QPSK	25	12	18.54	18.81	18.58		
10	QPSK	25	25	18.58	18.60	18.59		
10	QPSK	50	0	18.71	18.63	18.51		
10	16QAM	1	0	18.72	18.80	18.74	20	0
10	16QAM	1	25	18.51	18.70	18.51		
10	16QAM	1	49	18.64	18.54	18.58		
10	16QAM	25	0	18.63	18.74	18.64	20	0
10	16QAM	25	12	18.63	18.64	18.54		
10	16QAM	25	25	18.51	18.58	18.65		
10	16QAM	50	0	18.65	18.68	18.56		
10	64QAM	1	0	18.62	18.57	18.63	20	0
10	64QAM	1	25	18.57	18.55	18.55		
10	64QAM	1	49	18.54	18.60	18.59		
10	64QAM	25	0	17.69	17.62	17.57	19	1
10	64QAM	25	12	17.54	17.59	17.64		
10	64QAM	25	25	17.61	17.57	17.57		
10	64QAM	50	0	17.50	17.57	17.55		
10	256QAM	1	0	15.55	15.71	15.69	17	3
10	256QAM	1	25	15.52	15.61	15.61		
10	256QAM	1	49	15.52	15.67	15.56		
10	256QAM	25	0	15.50	15.57	15.58	17	3
10	256QAM	25	12	15.60	15.65	15.69		
10	256QAM	25	25	15.59	15.54	15.57		
10	256QAM	50	0	15.60	15.74	15.61		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.64	18.73	18.70	20	0
5	QPSK	1	12	18.62	18.73	18.77		
5	QPSK	1	24	18.68	18.60	18.66		
5	QPSK	12	0	18.58	18.62	18.55	20	0
5	QPSK	12	7	18.65	18.51	18.52		
5	QPSK	12	13	18.60	18.59	18.70		
5	QPSK	25	0	18.60	18.75	18.60		
5	16QAM	1	0	18.69	18.53	18.76	20	0
5	16QAM	1	12	18.61	18.59	18.81		
5	16QAM	1	24	18.70	18.69	18.66		
5	16QAM	12	0	18.64	18.69	18.71	20	0
5	16QAM	12	7	18.67	18.61	18.58		
5	16QAM	12	13	18.51	18.65	18.69		
5	16QAM	25	0	18.68	18.62	18.55		
5	64QAM	1	0	18.60	18.62	18.56	20	0
5	64QAM	1	12	18.61	18.61	18.56		
5	64QAM	1	24	18.56	18.59	18.56		
5	64QAM	12	0	17.61	17.67	17.67	19	1
5	64QAM	12	7	17.56	17.68	17.62		
5	64QAM	12	13	17.61	17.58	17.58		
5	64QAM	25	0	17.52	17.62	17.52		
5	256QAM	1	0	15.55	15.65	15.69	17	3
5	256QAM	1	12	15.57	15.57	15.50		
5	256QAM	1	24	15.61	15.57	15.67		
5	256QAM	12	0	15.60	15.62	15.63	17	3
5	256QAM	12	7	15.60	15.59	15.73		
5	256QAM	12	13	15.57	15.57	15.51		
5	256QAM	25	0	15.64	15.65	15.68		

Band 7 Ant5 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.04	19.21	19.15	20.5	0
20	QPSK	1	49	19.14	19.16	19.12		
20	QPSK	1	99	19.07	19.08	19.15		
20	QPSK	50	0	18.90	19.12	19.02	20.5	0
20	QPSK	50	24	18.96	18.88	18.91		
20	QPSK	50	50	18.95	19.11	18.96		
20	QPSK	100	0	18.98	19.10	18.84		
20	16QAM	1	0	18.96	19.04	18.95	20.5	0
20	16QAM	1	49	18.98	18.85	18.98		
20	16QAM	1	99	18.95	18.89	19.02		
20	16QAM	50	0	18.98	19.03	19.09	20.5	0
20	16QAM	50	24	18.90	18.95	18.97		
20	16QAM	50	50	18.90	18.97	19.02		
20	16QAM	100	0	18.95	19.02	19.00		
20	64QAM	1	0	19.01	19.11	19.16	20.5	0
20	64QAM	1	49	18.96	19.07	19.05		
20	64QAM	1	99	18.92	19.04	19.08		
20	64QAM	50	0	17.89	17.96	17.91	19.5	1
20	64QAM	50	24	17.83	17.98	18.02		
20	64QAM	50	50	17.87	17.92	17.89		
20	64QAM	100	0	18.01	18.07	18.10		
20	256QAM	1	0	16.03	16.12	16.16	17.5	3
20	256QAM	1	49	16.04	16.11	16.09		
20	256QAM	1	99	16.02	16.13	16.12		
20	256QAM	50	0	15.98	16.10	16.16	17.5	3
20	256QAM	50	24	15.99	16.12	16.17		
20	256QAM	50	50	15.96	16.06	16.06		
20	256QAM	100	0	15.98	16.08	16.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.11	19.06	19.12	20.5	0
15	QPSK	1	37	19.07	19.15	19.13		
15	QPSK	1	74	19.17	19.18	19.12		
15	QPSK	36	0	19.02	19.02	19.00	20.5	0
15	QPSK	36	20	18.89	18.94	18.83		
15	QPSK	36	39	18.94	18.99	18.80		
15	QPSK	75	0	19.00	18.86	18.95		
15	16QAM	1	0	19.02	18.95	18.98	20.5	0
15	16QAM	1	37	18.77	18.98	18.92		
15	16QAM	1	74	18.88	18.97	18.95		
15	16QAM	36	0	18.94	18.97	19.09	20.5	0
15	16QAM	36	20	18.85	18.91	18.89		
15	16QAM	36	39	18.91	18.90	18.94		
15	16QAM	75	0	18.90	19.04	18.94		
15	64QAM	1	0	18.95	19.02	19.11	20.5	0
15	64QAM	1	37	18.95	19.03	19.07		
15	64QAM	1	74	18.92	18.96	19.03		
15	64QAM	36	0	17.81	17.98	17.91	19.5	1
15	64QAM	36	20	17.76	17.94	18.03		
15	64QAM	36	39	17.87	17.85	17.90		
15	64QAM	75	0	18.00	18.05	18.05		
15	256QAM	1	0	15.99	16.03	16.18	17.5	3
15	256QAM	1	37	15.98	16.09	16.02		
15	256QAM	1	74	15.96	16.06	16.07		
15	256QAM	36	0	15.94	16.04	16.11	17.5	3
15	256QAM	36	20	15.93	16.07	16.08		
15	256QAM	36	39	15.90	16.01	16.03		
15	256QAM	75	0	15.90	16.10	16.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.03	19.17	19.15	20.5	0
10	QPSK	1	25	19.00	19.17	19.13		
10	QPSK	1	49	18.99	18.98	19.13		
10	QPSK	25	0	19.00	18.94	19.11	20.5	0
10	QPSK	25	12	18.97	18.94	18.89		
10	QPSK	25	25	18.84	19.03	18.94		
10	QPSK	50	0	18.97	18.99	18.88		
10	16QAM	1	0	19.01	18.82	18.87	20.5	0
10	16QAM	1	25	18.95	18.92	18.99		
10	16QAM	1	49	19.04	19.00	18.86		
10	16QAM	25	0	19.00	18.96	19.07	20.5	0
10	16QAM	25	12	18.82	18.96	18.95		
10	16QAM	25	25	18.82	18.93	19.04		
10	16QAM	50	0	18.87	19.04	18.96		
10	64QAM	1	0	18.92	19.14	19.11	20.5	0
10	64QAM	1	25	18.97	19.00	19.05		
10	64QAM	1	49	18.94	19.06	19.02		
10	64QAM	25	0	17.83	17.99	17.84	19.5	1
10	64QAM	25	12	17.86	17.99	18.02		
10	64QAM	25	25	17.83	17.86	17.86		
10	64QAM	50	0	17.98	18.07	18.13		
10	256QAM	1	0	16.03	16.08	16.15	17.5	3
10	256QAM	1	25	16.06	16.04	16.08		
10	256QAM	1	49	15.96	16.06	16.09		
10	256QAM	25	0	15.89	16.09	16.08	17.5	3
10	256QAM	25	12	15.93	16.13	16.13		
10	256QAM	25	25	15.90	16.02	16.09		
10	256QAM	50	0	15.96	16.04	16.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.17	19.17	19.12	20.5	0
5	QPSK	1	12	19.11	19.03	19.17		
5	QPSK	1	24	19.09	19.09	19.01		
5	QPSK	12	0	19.08	18.96	19.06	20.5	0
5	QPSK	12	7	18.86	18.97	18.91		
5	QPSK	12	13	18.86	18.90	18.91		
5	QPSK	25	0	18.83	19.09	18.98		
5	16QAM	1	0	19.01	18.95	18.82	20.5	0
5	16QAM	1	12	18.89	19.02	18.98		
5	16QAM	1	24	18.96	19.05	18.94		
5	16QAM	12	0	18.93	18.96	19.08	20.5	0
5	16QAM	12	7	18.83	18.88	18.90		
5	16QAM	12	13	18.88	18.92	18.97		
5	16QAM	25	0	18.96	18.95	18.91		
5	64QAM	1	0	18.95	19.04	19.12	20.5	0
5	64QAM	1	12	18.91	18.99	19.04		
5	64QAM	1	24	18.93	18.99	19.01		
5	64QAM	12	0	17.86	17.93	17.87	19.5	1
5	64QAM	12	7	17.76	17.90	18.02		
5	64QAM	12	13	17.87	17.93	17.85		
5	64QAM	25	0	18.01	17.99	18.12		
5	256QAM	1	0	16.02	16.10	16.09	17.5	3
5	256QAM	1	12	15.98	16.06	16.07		
5	256QAM	1	24	16.01	16.14	16.11		
5	256QAM	12	0	15.97	16.09	16.16	17.5	3
5	256QAM	12	7	15.93	16.12	16.16		
5	256QAM	12	13	15.99	16.08	16.04		
5	256QAM	25	0	15.91	16.03	16.13		

Band 38 Ant5 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.69	19.77	19.65	21	0
20	QPSK	1	49	19.56	19.51	19.66		
20	QPSK	1	99	19.46	19.38	19.62		
20	QPSK	50	0	19.25	19.73	19.23	21	0
20	QPSK	50	24	19.68	19.66	19.61		
20	QPSK	50	50	19.55	19.60	19.72		
20	QPSK	100	0	19.57	19.62	19.60		
20	16QAM	1	0	19.69	19.59	19.69	21	0
20	16QAM	1	49	19.55	19.70	19.62		
20	16QAM	1	99	19.56	19.61	19.75		
20	16QAM	50	0	19.70	19.68	19.67	20.5	0.5
20	16QAM	50	24	19.71	19.67	19.75		
20	16QAM	50	50	19.73	19.68	19.74		
20	16QAM	100	0	19.71	19.67	19.75		
20	64QAM	1	0	19.73	19.75	19.70	20.5	0.5
20	64QAM	1	49	19.70	19.68	19.76		
20	64QAM	1	99	19.76	19.71	19.72		
20	64QAM	50	0	18.96	18.93	19.10	19.5	1.5
20	64QAM	50	24	19.01	18.94	19.12		
20	64QAM	50	50	18.98	18.93	19.03		
20	64QAM	100	0	19.04	18.96	19.04		
20	256QAM	1	0	16.95	16.92	17.05	17.5	3.5
20	256QAM	1	49	17.00	16.94	17.09		
20	256QAM	1	99	17.03	16.93	17.04		
20	256QAM	50	0	16.97	16.95	17.03	17.5	3.5
20	256QAM	50	24	17.03	16.97	17.10		
20	256QAM	50	50	16.94	16.92	17.05		
20	256QAM	100	0	16.98	16.90	17.05		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.59	19.57	19.54	21	0
15	QPSK	1	37	19.56	19.70	19.62		
15	QPSK	1	74	19.59	19.39	19.57		
15	QPSK	36	0	19.33	19.71	19.24	21	0
15	QPSK	36	20	19.71	19.51	19.65		
15	QPSK	36	39	19.62	19.47	19.60		
15	QPSK	75	0	19.63	19.69	19.58		
15	16QAM	1	0	19.64	19.74	19.74	21	0
15	16QAM	1	37	19.61	19.70	19.68		
15	16QAM	1	74	19.60	19.56	19.73		
15	16QAM	36	0	19.48	19.57	19.55	20.5	0.5
15	16QAM	36	20	19.57	19.56	19.50		
15	16QAM	36	39	19.55	19.64	19.57		
15	16QAM	75	0	19.57	19.59	19.51		
15	64QAM	1	0	19.64	19.72	19.71	20.5	0.5
15	64QAM	1	37	19.54	19.64	19.63		
15	64QAM	1	74	19.55	19.59	19.50		
15	64QAM	36	0	18.57	18.62	18.62	19.5	1.5
15	64QAM	36	20	18.63	18.57	18.54		
15	64QAM	36	39	18.56	18.57	18.54		
15	64QAM	75	0	18.63	18.68	18.47		
15	256QAM	1	0	16.57	16.57	16.47	17.5	3.5
15	256QAM	1	37	16.62	16.67	16.53		
15	256QAM	1	74	16.66	16.56	16.51		
15	256QAM	36	0	16.49	16.59	16.48	17.5	3.5
15	256QAM	36	20	16.58	16.59	16.62		
15	256QAM	36	39	16.50	16.65	16.47		
15	256QAM	75	0	16.50	16.60	16.54		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.71	19.59	19.55	21	0
10	QPSK	1	25	19.70	19.68	19.65		
10	QPSK	1	49	19.45	19.40	19.67		
10	QPSK	25	0	19.42	19.59	19.37	21	0
10	QPSK	25	12	19.68	19.56	19.61		
10	QPSK	25	25	19.60	19.66	19.69		
10	QPSK	50	0	19.70	19.51	19.65		
10	16QAM	1	0	19.68	19.71	19.69	21	0
10	16QAM	1	25	19.63	19.70	19.70		
10	16QAM	1	49	19.64	19.60	19.71		
10	16QAM	25	0	19.55	19.65	19.45	20.5	0.5
10	16QAM	25	12	19.59	19.65	19.47		
10	16QAM	25	25	19.61	19.59	19.56		
10	16QAM	50	0	19.57	19.58	19.42		
10	64QAM	1	0	19.70	19.70	19.63	20.5	0.5
10	64QAM	1	25	19.60	19.61	19.59		
10	64QAM	1	49	19.61	19.65	19.57		
10	64QAM	25	0	18.52	18.60	18.54	19.5	1.5
10	64QAM	25	12	18.53	18.61	18.54		
10	64QAM	25	25	18.55	18.56	18.51		
10	64QAM	50	0	18.66	18.63	18.56		
10	256QAM	1	0	16.48	16.60	16.54	17.5	3.5
10	256QAM	1	25	16.57	16.58	16.60		
10	256QAM	1	49	16.58	16.58	16.54		
10	256QAM	25	0	16.59	16.63	16.50	17.5	3.5
10	256QAM	25	12	16.56	16.63	16.61		
10	256QAM	25	25	16.53	16.63	16.49		
10	256QAM	50	0	16.50	16.60	16.50		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.70	19.74	19.60	21	0
5	QPSK	1	12	19.62	19.69	19.63		
5	QPSK	1	24	19.63	19.41	19.57		
5	QPSK	12	0	19.30	19.61	19.32	21	0
5	QPSK	12	7	19.61	19.69	19.62		
5	QPSK	12	13	19.69	19.68	19.64		
5	QPSK	25	0	19.73	19.70	19.72		
5	16QAM	1	0	19.63	19.66	19.62	21	0
5	16QAM	1	12	19.65	19.59	19.76		
5	16QAM	1	24	19.61	19.57	19.69		
5	16QAM	12	0	19.52	19.61	19.52	20.5	0.5
5	16QAM	12	7	19.48	19.59	19.47		
5	16QAM	12	13	19.55	19.60	19.58		
5	16QAM	25	0	19.49	19.54	19.47		
5	64QAM	1	0	19.67	19.66	19.61	20.5	0.5
5	64QAM	1	12	19.62	19.54	19.56		
5	64QAM	1	24	19.56	19.61	19.53		
5	64QAM	12	0	18.47	18.62	18.54	19.5	1.5
5	64QAM	12	7	18.60	18.63	18.54		
5	64QAM	12	13	18.58	18.66	18.50		
5	64QAM	25	0	18.56	18.67	18.49		
5	256QAM	1	0	16.51	16.62	16.55	17.5	3.5
5	256QAM	1	12	16.62	16.55	16.56		
5	256QAM	1	24	16.58	16.57	16.49		
5	256QAM	12	0	16.57	16.60	16.52	17.5	3.5
5	256QAM	12	7	16.62	16.62	16.57		
5	256QAM	12	13	16.49	16.57	16.52		
5	256QAM	25	0	16.61	16.55	16.56		

Band 41 Ant5 DSI4 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.66	19.77	19.78	19.75	19.63	21	0
20	QPSK	1	49	19.72	19.64	19.68	19.70	19.72		
20	QPSK	1	99	19.65	19.70	19.76	19.65	19.66		
20	QPSK	50	0	19.45	19.53	19.77	19.69	19.68	21	0
20	QPSK	50	24	19.39	19.61	19.59	19.67	19.61		
20	QPSK	50	50	19.54	19.41	19.57	19.64	19.47		
20	QPSK	100	0	19.51	19.41	19.78	19.73	19.73		
20	16QAM	1	0	19.61	19.59	19.70	19.76	19.63	21	0
20	16QAM	1	49	19.48	19.51	19.76	19.64	19.59		
20	16QAM	1	99	19.47	19.58	19.57	19.56	19.59		
20	16QAM	50	0	19.14	19.14	19.37	19.34	19.33	20.5	0.5
20	16QAM	50	24	19.15	19.15	19.37	19.36	19.41		
20	16QAM	50	50	19.32	19.16	19.25	19.31	19.24		
20	16QAM	100	0	19.16	19.24	19.31	19.35	19.34		
20	64QAM	1	0	19.24	19.28	19.29	19.38	19.42	20.5	0.5
20	64QAM	1	49	19.24	19.22	19.36	19.39	19.31		
20	64QAM	1	99	19.25	19.16	19.30	19.32	19.18		
20	64QAM	50	0	18.15	18.16	18.41	18.31	18.38	19.5	1.5
20	64QAM	50	24	18.16	18.15	18.28	18.26	18.43		
20	64QAM	50	50	18.31	18.20	18.25	18.38	18.24		
20	64QAM	100	0	18.15	18.15	18.31	18.39	18.28		
20	256QAM	1	0	16.19	16.19	16.37	16.34	16.42	17.5	3.5
20	256QAM	1	49	16.15	16.14	16.38	16.34	16.35		
20	256QAM	1	99	16.27	16.12	16.27	16.31	16.22		
20	256QAM	50	0	16.09	16.13	16.37	16.43	16.30	17.5	3.5
20	256QAM	50	24	16.20	16.24	16.38	16.35	16.37		
20	256QAM	50	50	16.30	16.15	16.33	16.32	16.31		
20	256QAM	100	0	16.24	16.10	16.27	16.33	16.18		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.69	19.62	19.69	19.64	19.70	21	0
15	QPSK	1	37	19.62	19.61	19.74	19.53	19.62		
15	QPSK	1	74	19.57	19.59	19.76	19.66	19.54		
15	QPSK	36	0	19.45	19.28	19.49	19.61	19.59	21	0
15	QPSK	36	20	19.35	19.33	19.60	19.54	19.71		
15	QPSK	36	39	19.39	19.40	19.50	19.51	19.37		
15	QPSK	75	0	19.30	19.47	19.64	19.43	19.49		
15	16QAM	1	0	19.44	19.36	19.63	19.54	19.53	21	0
15	16QAM	1	37	19.54	19.42	19.52	19.59	19.61		
15	16QAM	1	74	19.47	19.26	19.46	19.44	19.40		
15	16QAM	36	0	19.16	19.17	19.33	19.36	19.35	20.5	0.5
15	16QAM	36	20	19.17	19.14	19.33	19.34	19.42		
15	16QAM	36	39	19.31	19.10	19.17	19.28	19.21		
15	16QAM	75	0	19.18	19.22	19.25	19.27	19.33		
15	64QAM	1	0	19.17	19.19	19.21	19.40	19.38	20.5	0.5
15	64QAM	1	37	19.26	19.21	19.29	19.35	19.24		
15	64QAM	1	74	19.23	19.10	19.26	19.27	19.13		
15	64QAM	36	0	18.15	18.19	18.36	18.30	18.30	19.5	1.5
15	64QAM	36	20	18.10	18.10	18.22	18.21	18.36		
15	64QAM	36	39	18.32	18.11	18.22	18.31	18.22		
15	64QAM	75	0	18.16	18.13	18.30	18.32	18.25		
15	256QAM	1	0	16.12	16.13	16.28	16.25	16.37	17.5	3.5
15	256QAM	1	37	16.16	16.06	16.34	16.34	16.37		
15	256QAM	1	74	16.26	16.09	16.23	16.22	16.17		
15	256QAM	36	0	16.06	16.16	16.31	16.40	16.30	17.5	3.5
15	256QAM	36	20	16.18	16.25	16.29	16.31	16.29		
15	256QAM	36	39	16.31	16.11	16.34	16.34	16.32		
15	256QAM	75	0	16.27	16.04	16.21	16.35	16.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.61	19.67	19.74	19.72	19.75	21	0
10	QPSK	1	25	19.68	19.70	19.72	19.67	19.71		
10	QPSK	1	49	19.63	19.60	19.72	19.75	19.58		
10	QPSK	25	0	19.46	19.28	19.55	19.44	19.65	21	0
10	QPSK	25	12	19.44	19.41	19.49	19.51	19.68		
10	QPSK	25	25	19.59	19.30	19.50	19.61	19.56		
10	QPSK	50	0	19.29	19.38	19.64	19.52	19.56		
10	16QAM	1	0	19.51	19.36	19.49	19.57	19.63	21	0
10	16QAM	1	25	19.33	19.41	19.55	19.62	19.40		
10	16QAM	1	49	19.48	19.28	19.35	19.42	19.31		
10	16QAM	25	0	19.08	19.06	19.29	19.27	19.24	20.5	0.5
10	16QAM	25	12	19.11	19.15	19.38	19.33	19.34		
10	16QAM	25	25	19.35	19.15	19.23	19.25	19.19		
10	16QAM	50	0	19.12	19.20	19.23	19.29	19.35		
10	64QAM	1	0	19.22	19.25	19.23	19.40	19.37	20.5	0.5
10	64QAM	1	25	19.25	19.17	19.38	19.35	19.24		
10	64QAM	1	49	19.26	19.08	19.33	19.29	19.20		
10	64QAM	25	0	18.10	18.12	18.42	18.29	18.40	19.5	1.5
10	64QAM	25	12	18.16	18.17	18.28	18.22	18.35		
10	64QAM	25	25	18.32	18.17	18.28	18.41	18.25		
10	64QAM	50	0	18.14	18.16	18.29	18.39	18.27		
10	256QAM	1	0	16.19	16.18	16.29	16.34	16.33	17.5	3.5
10	256QAM	1	25	16.10	16.12	16.31	16.30	16.37		
10	256QAM	1	49	16.27	16.06	16.19	16.30	16.21		
10	256QAM	25	0	16.12	16.11	16.34	16.38	16.25	17.5	3.5
10	256QAM	25	12	16.13	16.22	16.32	16.36	16.29		
10	256QAM	25	25	16.30	16.09	16.35	16.25	16.22		
10	256QAM	50	0	16.17	16.10	16.21	16.29	16.14		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.73	19.61	19.76	19.68	19.77	21	0
5	QPSK	1	12	19.72	19.69	19.70	19.71	19.72		
5	QPSK	1	24	19.56	19.55	19.65	19.75	19.56		
5	QPSK	12	0	19.31	19.48	19.53	19.47	19.68	21	0
5	QPSK	12	7	19.37	19.29	19.46	19.60	19.67		
5	QPSK	12	13	19.45	19.29	19.40	19.60	19.35		
5	QPSK	25	0	19.35	19.37	19.48	19.49	19.51		
5	16QAM	1	0	19.51	19.36	19.51	19.66	19.64	21	0
5	16QAM	1	12	19.52	19.45	19.62	19.65	19.56		
5	16QAM	1	24	19.30	19.44	19.40	19.53	19.32		
5	16QAM	12	0	19.14	19.13	19.35	19.35	19.29	20.5	0.5
5	16QAM	12	7	19.06	19.16	19.29	19.31	19.41		
5	16QAM	12	13	19.30	19.18	19.22	19.27	19.26		
5	16QAM	25	0	19.19	19.24	19.33	19.35	19.34		
5	64QAM	1	0	19.25	19.23	19.26	19.33	19.44	20.5	0.5
5	64QAM	1	12	19.21	19.21	19.36	19.36	19.31		
5	64QAM	1	24	19.25	19.15	19.29	19.23	19.12		
5	64QAM	12	0	18.15	18.11	18.41	18.33	18.36	19.5	1.5
5	64QAM	12	7	18.16	18.16	18.27	18.20	18.40		
5	64QAM	12	13	18.34	18.15	18.22	18.34	18.17		
5	64QAM	25	0	18.17	18.11	18.25	18.34	18.25		
5	256QAM	1	0	16.15	16.18	16.33	16.33	16.43	17.5	3.5
5	256QAM	1	12	16.13	16.14	16.40	16.28	16.29		
5	256QAM	1	24	16.23	16.12	16.22	16.24	16.16		
5	256QAM	12	0	16.11	16.06	16.31	16.37	16.21	17.5	3.5
5	256QAM	12	7	16.18	16.19	16.31	16.32	16.30		
5	256QAM	12	13	16.21	16.16	16.27	16.26	16.33		
5	256QAM	25	0	16.15	16.09	16.19	16.29	16.15		

Reduced Power NSA Mode for DSI5

Band 2 Ant3 DSI5 Other PA for ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.37	19.45	19.35	20	0
20	QPSK	1	49	19.35	19.41	19.30		
20	QPSK	1	99	19.08	19.24	19.22		
20	QPSK	50	0	19.04	19.22	19.18	20	0
20	QPSK	50	24	18.91	19.07	18.91		
20	QPSK	50	50	18.91	19.09	19.01		
20	QPSK	100	0	18.85	19.01	18.87		
20	16QAM	1	0	18.62	18.95	18.70	20	0
20	16QAM	1	49	18.58	18.91	18.61		
20	16QAM	1	99	18.45	18.80	18.74		
20	16QAM	50	0	18.85	19.10	19.06	20	0
20	16QAM	50	24	18.90	19.00	18.99		
20	16QAM	50	50	18.88	19.09	18.82		
20	16QAM	100	0	18.73	18.96	18.92		
20	64QAM	1	0	19.04	19.21	19.26	20	0
20	64QAM	1	49	18.78	19.14	19.12		
20	64QAM	1	99	19.02	19.27	19.11		
20	64QAM	50	0	18.71	19.15	19.03	20	0
20	64QAM	50	24	19.00	19.03	18.87		
20	64QAM	50	50	18.77	19.12	18.94		
20	64QAM	100	0	18.70	18.93	18.97		
20	256QAM	1	0	18.48	18.65	18.64	19.5	0.5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	0.5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.33	19.43	19.36	20	0
15	QPSK	1	37	19.29	19.33	19.24		
15	QPSK	1	74	19.09	19.19	19.15		
15	QPSK	36	0	18.97	19.18	19.12	20	0
15	QPSK	36	20	18.91	19.07	18.87		
15	QPSK	36	39	18.89	19.02	18.99		
15	QPSK	75	0	18.81	19.01	18.88		
15	16QAM	1	0	18.63	18.87	18.71	20	0
15	16QAM	1	37	18.54	18.85	18.59		
15	16QAM	1	74	18.46	18.72	18.67		
15	16QAM	36	0	18.81	19.11	19.01	20	0
15	16QAM	36	20	18.82	18.93	18.90		
15	16QAM	36	39	18.91	19.08	18.82		
15	16QAM	75	0	18.71	18.89	18.91		
15	64QAM	1	0	18.98	19.13	19.26	20	0
15	64QAM	1	37	18.73	19.08	19.11		
15	64QAM	1	74	18.95	19.26	19.06		
15	64QAM	36	0	18.67	19.09	19.01	20	0
15	64QAM	36	20	19.01	18.97	18.90		
15	64QAM	36	39	18.75	19.11	18.96		
15	64QAM	75	0	18.63	18.91	18.89		
15	256QAM	1	0	18.41	18.65	18.59	19.5	0.5
15	256QAM	1	37	18.43	18.56	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	0.5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.33	19.40	19.29	20	0
10	QPSK	1	25	19.28	19.32	19.27		
10	QPSK	1	49	19.09	19.22	19.22		
10	QPSK	25	0	19.00	19.19	19.12	20	0
10	QPSK	25	12	18.90	19.07	18.91		
10	QPSK	25	25	18.85	19.00	19.03		
10	QPSK	50	0	18.86	18.96	18.84		
10	16QAM	1	0	18.54	18.90	18.69	20	0
10	16QAM	1	25	18.52	18.91	18.54		
10	16QAM	1	49	18.40	18.73	18.69		
10	16QAM	25	0	18.78	19.09	19.03	20	0
10	16QAM	25	12	18.82	18.92	18.90		
10	16QAM	25	25	18.82	19.08	18.79		
10	16QAM	50	0	18.67	18.97	18.89		
10	64QAM	1	0	19.05	19.20	19.20	20	0
10	64QAM	1	25	18.76	19.08	19.12		
10	64QAM	1	49	19.01	19.18	19.06		
10	64QAM	25	0	18.70	19.09	18.95	20	0
10	64QAM	25	12	18.99	19.03	18.87		
10	64QAM	25	25	18.76	19.12	18.86		
10	64QAM	50	0	18.63	18.84	18.93		
10	256QAM	1	0	18.46	18.56	18.57	19.5	0.5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	0.5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.32	19.43	19.28	20	0
5	QPSK	1	12	19.30	19.40	19.22		
5	QPSK	1	24	19.04	19.18	19.21		
5	QPSK	12	0	19.00	19.24	19.20	20	0
5	QPSK	12	7	18.92	19.00	18.82		
5	QPSK	12	13	18.83	19.05	19.01		
5	QPSK	25	0	18.82	19.01	18.81		
5	16QAM	1	0	18.57	18.87	18.62	20	0
5	16QAM	1	12	18.50	18.86	18.58		
5	16QAM	1	24	18.44	18.76	18.67		
5	16QAM	12	0	18.87	19.03	19.02	20	0
5	16QAM	12	7	18.88	18.93	18.91		
5	16QAM	12	13	18.83	19.02	18.78		
5	16QAM	25	0	18.69	18.96	18.86		
5	64QAM	1	0	19.00	19.22	19.26	20	0
5	64QAM	1	12	18.70	19.06	19.09		
5	64QAM	1	24	18.98	19.19	19.05		
5	64QAM	12	0	18.74	19.15	19.03	20	0
5	64QAM	12	7	19.00	18.95	18.83		
5	64QAM	12	13	18.70	19.13	18.89		
5	64QAM	25	0	18.71	18.91	18.94		
5	256QAM	1	0	18.41	18.58	18.61	19.5	0.5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	0.5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.35	19.41	19.29	20	0
3	QPSK	1	8	19.27	19.43	19.29		
3	QPSK	1	14	19.02	19.25	19.14		
3	QPSK	8	0	19.00	19.23	19.12	20	0
3	QPSK	8	4	18.85	19.03	18.84		
3	QPSK	8	7	18.84	19.10	18.96		
3	QPSK	15	0	18.79	19.03	18.80		
3	16QAM	1	0	18.63	18.89	18.71	20	0
3	16QAM	1	8	18.50	18.88	18.53		
3	16QAM	1	14	18.42	18.75	18.71		
3	16QAM	8	0	18.76	19.04	19.08	20	0
3	16QAM	8	4	18.87	19.01	18.99		
3	16QAM	8	7	18.88	19.01	18.82		
3	16QAM	15	0	18.69	18.91	18.92		
3	64QAM	1	0	18.97	19.17	19.26	20	0
3	64QAM	1	8	18.70	19.10	19.13		
3	64QAM	1	14	18.94	19.26	19.03		
3	64QAM	8	0	18.69	19.16	19.03	20	0
3	64QAM	8	4	18.96	18.96	18.80		
3	64QAM	8	7	18.75	19.05	18.89		
3	64QAM	15	0	18.71	18.93	18.93		
3	256QAM	1	0	18.45	18.58	18.62	19.5	0.5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	0.5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.40	19.36	19.37	20	0
1.4	QPSK	1	3	19.28	19.44	19.32		
1.4	QPSK	1	5	19.02	19.18	19.14		
1.4	QPSK	3	0	19.00	19.19	19.13		
1.4	QPSK	3	1	18.83	19.04	18.85		
1.4	QPSK	3	3	18.87	19.10	19.00		
1.4	QPSK	6	0	18.84	19.00	18.84	20	0
1.4	16QAM	1	0	18.63	18.88	18.69	20	0
1.4	16QAM	1	3	18.58	18.92	18.59		
1.4	16QAM	1	5	18.47	18.79	18.71		
1.4	16QAM	3	0	18.86	19.06	19.01		
1.4	16QAM	3	1	18.89	18.97	18.90		
1.4	16QAM	3	3	18.80	19.05	18.79		
1.4	16QAM	6	0	18.70	18.88	18.86	20	0
1.4	64QAM	1	0	19.00	19.16	19.25	20	0
1.4	64QAM	1	3	18.71	19.09	19.12		
1.4	64QAM	1	5	18.97	19.25	19.07		
1.4	64QAM	3	0	18.64	19.13	18.95		
1.4	64QAM	3	1	19.00	18.96	18.83		
1.4	64QAM	3	3	18.74	19.08	18.96		
1.4	64QAM	6	0	18.68	18.94	18.89	20	0
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	0.5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	0.5

Reduced Power NSA Mode for DSI5

Band 2 Ant2 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.58	18.78	18.63	20	0
20	QPSK	1	49	18.47	18.64	18.61		
20	QPSK	1	99	18.44	18.67	18.56		
20	QPSK	50	0	18.44	18.66	18.63	20	0
20	QPSK	50	24	18.46	18.57	18.54		
20	QPSK	50	50	18.31	18.56	18.45		
20	QPSK	100	0	18.36	18.52	18.53		
20	16QAM	1	0	18.32	18.49	18.30	20	0
20	16QAM	1	49	18.27	18.44	18.50		
20	16QAM	1	99	18.25	18.48	18.43		
20	16QAM	50	0	18.33	18.58	18.55	20	0
20	16QAM	50	24	18.34	18.50	18.46		
20	16QAM	50	50	18.36	18.54	18.58		
20	16QAM	100	0	18.37	18.59	18.58		
20	64QAM	1	0	18.43	18.69	18.63	20	0
20	64QAM	1	49	18.48	18.57	18.68		
20	64QAM	1	99	18.46	18.61	18.56		
20	64QAM	50	0	18.47	18.63	18.62	20	0
20	64QAM	50	24	18.43	18.56	18.63		
20	64QAM	50	50	18.31	18.62	18.65		
20	64QAM	100	0	18.37	18.53	18.49		
20	256QAM	1	0	18.48	18.63	18.56	20	0
20	256QAM	1	49	18.35	18.52	18.44		
20	256QAM	1	99	18.41	18.60	18.55		
20	256QAM	50	0	18.40	18.62	18.60	20	0
20	256QAM	50	24	18.40	18.57	18.61		
20	256QAM	50	50	18.44	18.53	18.49		
20	256QAM	100	0	18.40	18.52	18.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.52	18.74	18.65	20	0
15	QPSK	1	37	18.51	18.67	18.59		
15	QPSK	1	74	18.39	18.68	18.55		
15	QPSK	36	0	18.47	18.59	18.65	20	0
15	QPSK	36	20	18.46	18.59	18.57		
15	QPSK	36	39	18.34	18.52	18.50		
15	QPSK	75	0	18.34	18.62	18.52		
15	16QAM	1	0	18.23	18.39	18.31	20	0
15	16QAM	1	37	18.27	18.47	18.41		
15	16QAM	1	74	18.19	18.44	18.44		
15	16QAM	36	0	18.36	18.55	18.63	20	0
15	16QAM	36	20	18.46	18.53	18.52		
15	16QAM	36	39	18.34	18.55	18.52		
15	16QAM	75	0	18.33	18.55	18.54		
15	64QAM	1	0	18.54	18.68	18.64	20	0
15	64QAM	1	37	18.38	18.61	18.58		
15	64QAM	1	74	18.46	18.58	18.60		
15	64QAM	36	0	18.47	18.55	18.62	20	0
15	64QAM	36	20	18.41	18.60	18.59		
15	64QAM	36	39	18.32	18.63	18.65		
15	64QAM	75	0	18.35	18.53	18.54		
15	256QAM	1	0	18.45	18.55	18.54	20	0
15	256QAM	1	37	18.31	18.55	18.43		
15	256QAM	1	74	18.36	18.50	18.50		
15	256QAM	36	0	18.42	18.58	18.57	20	0
15	256QAM	36	20	18.37	18.56	18.62		
15	256QAM	36	39	18.42	18.57	18.51		
15	256QAM	75	0	18.44	18.52	18.58		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.58	18.77	18.62	20	0
10	QPSK	1	25	18.46	18.70	18.60		
10	QPSK	1	49	18.45	18.61	18.53		
10	QPSK	25	0	18.54	18.65	18.60	20	0
10	QPSK	25	12	18.46	18.55	18.63		
10	QPSK	25	25	18.35	18.63	18.48		
10	QPSK	50	0	18.39	18.54	18.59		
10	16QAM	1	0	18.23	18.39	18.33	20	0
10	16QAM	1	25	18.31	18.41	18.40		
10	16QAM	1	49	18.19	18.48	18.48		
10	16QAM	25	0	18.35	18.58	18.55	20	0
10	16QAM	25	12	18.35	18.54	18.42		
10	16QAM	25	25	18.29	18.56	18.56		
10	16QAM	50	0	18.32	18.55	18.48		
10	64QAM	1	0	18.54	18.66	18.66	20	0
10	64QAM	1	25	18.45	18.62	18.61		
10	64QAM	1	49	18.48	18.59	18.59		
10	64QAM	25	0	18.43	18.60	18.64	20	0
10	64QAM	25	12	18.41	18.55	18.60		
10	64QAM	25	25	18.38	18.59	18.65		
10	64QAM	50	0	18.26	18.52	18.54		
10	256QAM	1	0	18.43	18.58	18.60	20	0
10	256QAM	1	25	18.39	18.48	18.46		
10	256QAM	1	49	18.38	18.51	18.51		
10	256QAM	25	0	18.40	18.59	18.56	20	0
10	256QAM	25	12	18.46	18.59	18.62		
10	256QAM	25	25	18.38	18.57	18.55		
10	256QAM	50	0	18.42	18.57	18.50		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.51	18.75	18.70	20	0
5	QPSK	1	12	18.50	18.70	18.60		
5	QPSK	1	24	18.43	18.61	18.54		
5	QPSK	12	0	18.44	18.60	18.67	20	0
5	QPSK	12	7	18.46	18.61	18.55		
5	QPSK	12	13	18.38	18.56	18.46		
5	QPSK	25	0	18.34	18.62	18.54		
5	16QAM	1	0	18.21	18.41	18.41	20	0
5	16QAM	1	12	18.28	18.51	18.46		
5	16QAM	1	24	18.28	18.45	18.45		
5	16QAM	12	0	18.36	18.65	18.61	20	0
5	16QAM	12	7	18.39	18.50	18.53		
5	16QAM	12	13	18.34	18.49	18.55		
5	16QAM	25	0	18.38	18.51	18.51		
5	64QAM	1	0	18.53	18.63	18.57	20	0
5	64QAM	1	12	18.36	18.59	18.58		
5	64QAM	1	24	18.48	18.58	18.59		
5	64QAM	12	0	18.40	18.55	18.56	20	0
5	64QAM	12	7	18.44	18.57	18.58		
5	64QAM	12	13	18.35	18.64	18.62		
5	64QAM	25	0	18.26	18.60	18.54		
5	256QAM	1	0	18.49	18.59	18.56	20	0
5	256QAM	1	12	18.39	18.54	18.48		
5	256QAM	1	24	18.36	18.57	18.55		
5	256QAM	12	0	18.43	18.53	18.57	20	0
5	256QAM	12	7	18.43	18.57	18.56		
5	256QAM	12	13	18.39	18.56	18.57		
5	256QAM	25	0	18.46	18.54	18.60		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.59	18.76	18.65	20	0
3	QPSK	1	8	18.45	18.63	18.69		
3	QPSK	1	14	18.43	18.66	18.57		
3	QPSK	8	0	18.52	18.57	18.61	20	0
3	QPSK	8	4	18.36	18.55	18.53		
3	QPSK	8	7	18.43	18.61	18.48		
3	QPSK	15	0	18.32	18.54	18.49		
3	16QAM	1	0	18.32	18.38	18.35	20	0
3	16QAM	1	8	18.31	18.50	18.41		
3	16QAM	1	14	18.22	18.42	18.45		
3	16QAM	8	0	18.36	18.57	18.62	20	0
3	16QAM	8	4	18.40	18.51	18.52		
3	16QAM	8	7	18.39	18.46	18.50		
3	16QAM	15	0	18.35	18.52	18.47		
3	64QAM	1	0	18.48	18.70	18.60	20	0
3	64QAM	1	8	18.44	18.60	18.59		
3	64QAM	1	14	18.38	18.65	18.59		
3	64QAM	8	0	18.47	18.58	18.60	20	0
3	64QAM	8	4	18.47	18.52	18.59		
3	64QAM	8	7	18.40	18.59	18.58		
3	64QAM	15	0	18.31	18.58	18.53		
3	256QAM	1	0	18.44	18.53	18.64	20	0
3	256QAM	1	8	18.33	18.52	18.48		
3	256QAM	1	14	18.39	18.50	18.55		
3	256QAM	8	0	18.36	18.55	18.53	20	0
3	256QAM	8	4	18.39	18.50	18.53		
3	256QAM	8	7	18.41	18.52	18.48		
3	256QAM	15	0	18.38	18.51	18.60		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.52	18.76	18.70	20	0
1.4	QPSK	1	3	18.52	18.66	18.70		
1.4	QPSK	1	5	18.40	18.64	18.58		
1.4	QPSK	3	0	18.51	18.77	18.70		
1.4	QPSK	3	1	18.53	18.66	18.60		
1.4	QPSK	3	3	18.43	18.67	18.58		
1.4	QPSK	6	0	18.46	18.62	18.60	20	0
1.4	16QAM	1	0	18.41	18.61	18.56	20	0
1.4	16QAM	1	3	18.32	18.54	18.48		
1.4	16QAM	1	5	18.38	18.59	18.54		
1.4	16QAM	3	0	18.24	18.48	18.39		
1.4	16QAM	3	1	18.30	18.47	18.49		
1.4	16QAM	3	3	18.30	18.44	18.40		
1.4	16QAM	6	0	18.35	18.60	18.59	20	0
1.4	64QAM	1	0	18.43	18.53	18.42	20	0
1.4	64QAM	1	3	18.31	18.46	18.54		
1.4	64QAM	1	5	18.32	18.50	18.51		
1.4	64QAM	3	0	18.51	18.62	18.59		
1.4	64QAM	3	1	18.44	18.62	18.66		
1.4	64QAM	3	3	18.40	18.58	18.59		
1.4	64QAM	6	0	18.46	18.62	18.64	20	0
1.4	256QAM	1	0	18.39	18.54	18.62	20	0
1.4	256QAM	1	3	18.36	18.51	18.44		
1.4	256QAM	1	5	18.40	18.52	18.50		
1.4	256QAM	3	0	18.36	18.59	18.62		
1.4	256QAM	3	1	18.45	18.56	18.58		
1.4	256QAM	3	3	18.39	18.55	18.55		
1.4	256QAM	6	0	18.39	18.49	18.58	20	0

Band 7 Ant2 DSI5 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.48	16.71	16.54	17.5	0
20	QPSK	1	49	16.46	16.67	16.55		
20	QPSK	1	99	16.38	16.47	16.46		
20	QPSK	50	0	15.96	16.13	16.04	17.5	0
20	QPSK	50	24	15.89	16.02	16.00		
20	QPSK	50	50	16.06	16.05	16.01		
20	QPSK	100	0	16.07	16.11	16.05		
20	16QAM	1	0	15.92	16.08	16.03	17.5	0
20	16QAM	1	49	15.92	16.02	16.00		
20	16QAM	1	99	16.01	15.97	16.01		
20	16QAM	50	0	16.11	16.11	15.98	17.5	0
20	16QAM	50	24	15.97	15.94	15.92		
20	16QAM	50	50	15.97	16.01	15.95		
20	16QAM	100	0	16.09	16.04	16.05		
20	64QAM	1	0	15.97	16.00	15.97	17.5	0
20	64QAM	1	49	16.03	15.89	15.86		
20	64QAM	1	99	16.00	16.09	15.97		
20	64QAM	50	0	15.98	16.14	15.96	17.5	0
20	64QAM	50	24	15.87	16.02	16.01		
20	64QAM	50	50	15.93	15.99	16.01		
20	64QAM	100	0	15.94	16.00	15.96		
20	256QAM	1	0	15.98	16.05	16.02	17.5	0
20	256QAM	1	49	15.86	16.01	16.07		
20	256QAM	1	99	16.01	16.14	16.04		
20	256QAM	50	0	15.99	16.03	16.04	17.5	0
20	256QAM	50	24	15.89	16.02	16.02		
20	256QAM	50	50	15.97	15.98	15.99		
20	256QAM	100	0	16.05	16.00	15.88		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.49	16.60	16.53	17.5	0
15	QPSK	1	37	16.52	16.59	16.51		
15	QPSK	1	74	16.35	16.57	16.47		
15	QPSK	36	0	16.03	16.12	16.04	17.5	0
15	QPSK	36	20	15.92	16.02	15.98		
15	QPSK	36	39	16.04	16.07	16.01		
15	QPSK	75	0	16.05	16.12	16.05		
15	16QAM	1	0	15.91	16.04	16.00	17.5	0
15	16QAM	1	37	15.98	15.95	15.91		
15	16QAM	1	74	16.00	15.98	15.94		
15	16QAM	36	0	16.06	16.09	16.04	17.5	0
15	16QAM	36	20	15.94	15.93	15.97		
15	16QAM	36	39	15.92	16.02	15.90		
15	16QAM	75	0	16.06	16.04	16.03		
15	64QAM	1	0	16.03	15.96	16.05	17.5	0
15	64QAM	1	37	15.91	16.00	15.91		
15	64QAM	1	74	16.03	16.06	15.91		
15	64QAM	36	0	16.09	16.09	16.04	17.5	0
15	64QAM	36	20	15.94	16.03	16.05		
15	64QAM	36	39	15.95	16.02	15.99		
15	64QAM	75	0	16.02	16.00	15.99		
15	256QAM	1	0	15.97	16.12	16.06	17.5	0
15	256QAM	1	37	15.93	16.06	16.09		
15	256QAM	1	74	15.97	16.16	15.98		
15	256QAM	36	0	16.05	16.09	16.03	17.5	0
15	256QAM	36	20	15.98	16.04	16.03		
15	256QAM	36	39	15.96	15.96	15.96		
15	256QAM	75	0	16.06	15.99	15.99		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.57	16.61	16.60	17.5	0
10	QPSK	1	25	16.47	16.63	16.56		
10	QPSK	1	49	16.44	16.51	16.52		
10	QPSK	25	0	16.04	16.06	16.09	17.5	0
10	QPSK	25	12	15.92	16.02	16.05		
10	QPSK	25	25	16.05	16.02	16.00		
10	QPSK	50	0	16.06	16.02	16.06		
10	16QAM	1	0	15.99	16.07	15.96	17.5	0
10	16QAM	1	25	15.99	16.00	16.00		
10	16QAM	1	49	15.92	15.94	16.01		
10	16QAM	25	0	16.04	16.11	15.99	17.5	0
10	16QAM	25	12	15.87	15.93	15.94		
10	16QAM	25	25	15.92	16.00	15.90		
10	16QAM	50	0	16.10	16.06	15.97		
10	64QAM	1	0	15.94	15.96	15.98	17.5	0
10	64QAM	1	25	15.99	15.93	15.93		
10	64QAM	1	49	16.02	16.06	15.93		
10	64QAM	25	0	16.08	16.17	16.04	17.5	0
10	64QAM	25	12	15.91	15.96	16.07		
10	64QAM	25	25	16.00	15.93	16.00		
10	64QAM	50	0	15.97	16.01	15.99		
10	256QAM	1	0	16.07	16.13	16.05	17.5	0
10	256QAM	1	25	15.96	16.03	16.07		
10	256QAM	1	49	16.04	16.12	16.01		
10	256QAM	25	0	16.04	16.07	15.94	17.5	0
10	256QAM	25	12	15.98	15.96	15.97		
10	256QAM	25	25	15.90	15.93	15.92		
10	256QAM	50	0	15.98	15.94	15.95		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.50	16.65	16.63	17.5	0
5	QPSK	1	12	16.53	16.65	16.51		
5	QPSK	1	24	16.45	16.51	16.49		
5	QPSK	12	0	15.95	16.09	16.10	17.5	0
5	QPSK	12	7	15.93	16.05	15.99		
5	QPSK	12	13	15.99	15.99	16.02		
5	QPSK	25	0	16.01	16.02	15.96		
5	16QAM	1	0	15.99	16.07	15.97	17.5	0
5	16QAM	1	12	15.93	16.02	15.91		
5	16QAM	1	24	16.01	16.01	15.99		
5	16QAM	12	0	16.05	16.16	16.01	17.5	0
5	16QAM	12	7	15.91	15.96	15.93		
5	16QAM	12	13	15.97	15.99	15.96		
5	16QAM	25	0	16.01	16.06	15.95		
5	64QAM	1	0	16.00	15.95	16.06	17.5	0
5	64QAM	1	12	16.01	15.97	15.88		
5	64QAM	1	24	16.05	15.98	16.01		
5	64QAM	12	0	16.05	16.10	15.99	17.5	0
5	64QAM	12	7	15.90	15.98	16.02		
5	64QAM	12	13	16.02	16.03	16.00		
5	64QAM	25	0	16.00	15.96	16.03		
5	256QAM	1	0	16.00	16.03	15.99	17.5	0
5	256QAM	1	12	15.89	15.97	16.05		
5	256QAM	1	24	15.96	16.09	16.02		
5	256QAM	12	0	16.01	16.07	16.03	17.5	0
5	256QAM	12	7	15.99	15.95	15.94		
5	256QAM	12	13	15.96	15.90	15.98		
5	256QAM	25	0	15.99	16.01	15.89		

Band 7 Ant2 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	12.26	12.47	12.35	13	0
20	QPSK	1	49	12.23	12.31	12.29		
20	QPSK	1	99	12.43	12.41	12.30		
20	QPSK	50	0	12.14	12.35	12.26	13	0
20	QPSK	50	24	12.03	12.05	12.23		
20	QPSK	50	50	11.97	11.97	12.34		
20	QPSK	100	0	12.13	12.37	12.30		
20	16QAM	1	0	11.99	12.01	12.30	13	0
20	16QAM	1	49	11.95	11.97	12.20		
20	16QAM	1	99	11.93	11.92	12.25		
20	16QAM	50	0	12.08	12.17	12.23	13	0
20	16QAM	50	24	12.03	12.08	12.24		
20	16QAM	50	50	12.02	11.97	12.33		
20	16QAM	100	0	12.20	12.14	12.40		
20	64QAM	1	0	12.07	12.19	12.22	13	0
20	64QAM	1	49	12.01	12.00	12.16		
20	64QAM	1	99	11.98	11.95	12.22		
20	64QAM	50	0	12.01	12.18	12.42	13	0
20	64QAM	50	24	11.94	12.05	12.32		
20	64QAM	50	50	11.95	11.93	12.23		
20	64QAM	100	0	12.21	12.15	12.37		
20	256QAM	1	0	12.23	12.21	12.45	13	0
20	256QAM	1	49	12.16	12.21	12.18		
20	256QAM	1	99	12.20	12.22	12.22		
20	256QAM	50	0	12.30	12.30	12.27	13	0
20	256QAM	50	24	12.17	12.22	12.45		
20	256QAM	50	50	12.26	12.15	12.41		
20	256QAM	100	0	12.13	12.13	12.10		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	12.28	12.40	12.38	13	0
15	QPSK	1	37	12.23	12.29	12.25		
15	QPSK	1	74	12.37	12.44	12.31		
15	QPSK	36	0	12.09	12.31	12.28	13	0
15	QPSK	36	20	12.00	11.99	12.16		
15	QPSK	36	39	11.92	11.97	12.33		
15	QPSK	75	0	12.12	12.33	12.24		
15	16QAM	1	0	12.01	11.95	12.28	13	0
15	16QAM	1	37	11.87	11.96	12.20		
15	16QAM	1	74	11.95	11.95	12.24		
15	16QAM	36	0	12.07	12.19	12.19	13	0
15	16QAM	36	20	12.01	12.02	12.27		
15	16QAM	36	39	11.97	11.94	12.30		
15	16QAM	75	0	12.20	12.13	12.33		
15	64QAM	1	0	12.08	12.19	12.22	13	0
15	64QAM	1	37	11.92	12.00	12.11		
15	64QAM	1	74	11.92	11.95	12.19		
15	64QAM	36	0	11.99	12.16	12.39	13	0
15	64QAM	36	20	11.85	12.06	12.33		
15	64QAM	36	39	11.94	11.91	12.20		
15	64QAM	75	0	12.20	12.09	12.35		
15	256QAM	1	0	12.14	12.22	12.36	13	0
15	256QAM	1	37	12.18	12.17	12.19		
15	256QAM	1	74	12.18	12.19	12.46		
15	256QAM	36	0	12.27	12.32	12.44	13	0
15	256QAM	36	20	12.09	12.18	12.40		
15	256QAM	36	39	12.23	12.07	12.37		
15	256QAM	75	0	12.08	12.13	12.44		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	12.20	12.41	12.38	13	0
10	QPSK	1	25	12.19	12.26	12.23		
10	QPSK	1	49	12.45	12.40	12.26		
10	QPSK	25	0	12.16	12.29	12.29	13	0
10	QPSK	25	12	12.03	12.02	12.24		
10	QPSK	25	25	11.98	11.94	12.33		
10	QPSK	50	0	12.06	12.40	12.30		
10	16QAM	1	0	11.97	11.95	12.31	13	0
10	16QAM	1	25	11.95	11.95	12.13		
10	16QAM	1	49	11.85	11.90	12.19		
10	16QAM	25	0	12.11	12.10	12.21	13	0
10	16QAM	25	12	11.95	11.99	12.22		
10	16QAM	25	25	11.95	11.95	12.30		
10	16QAM	50	0

Band 38 Ant2 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.27	15.29	15.28	16	0
20	QPSK	1	49	15.09	15.17	15.25		
20	QPSK	1	99	15.07	15.18	15.24		
20	QPSK	50	0	15.16	15.25	15.19	16	0
20	QPSK	50	24	15.09	15.23	15.21		
20	QPSK	50	50	15.17	15.20	15.19		
20	QPSK	100	0	15.01	15.14	15.09		
20	16QAM	1	0	15.23	15.23	15.21	16	0
20	16QAM	1	49	15.22	15.22	15.23		
20	16QAM	1	99	15.21	15.18	15.24		
20	16QAM	50	0	15.12	15.20	15.22	16	0
20	16QAM	50	24	15.07	15.11	15.11		
20	16QAM	50	50	15.15	15.18	15.25		
20	16QAM	100	0	15.18	15.19	15.16		
20	64QAM	1	0	15.12	15.19	15.16	16	0
20	64QAM	1	49	15.17	15.22	15.14		
20	64QAM	1	99	15.09	15.11	15.10		
20	64QAM	50	0	15.07	15.25	15.20	16	0
20	64QAM	50	24	15.13	15.22	15.20		
20	64QAM	50	50	15.07	15.20	15.14		
20	64QAM	100	0	15.16	15.16	15.13		
20	256QAM	1	0	15.03	15.20	15.21	16	0
20	256QAM	1	49	15.07	15.21	15.18		
20	256QAM	1	99	15.08	15.19	15.18		
20	256QAM	50	0	15.22	15.28	15.23	16	0
20	256QAM	50	24	15.19	15.22	15.24		
20	256QAM	50	50	15.07	15.11	15.24		
20	256QAM	100	0	15.10	15.26	15.26		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.18	15.27	15.28	16	0
15	QPSK	1	37	15.06	15.10	15.23		
15	QPSK	1	74	15.19	15.20	15.22		
15	QPSK	36	0	15.10	15.25	15.21	16	0
15	QPSK	36	20	15.11	15.23	15.20		
15	QPSK	36	39	15.16	15.22	15.22		
15	QPSK	75	0	15.02	15.14	15.02		
15	16QAM	1	0	15.16	15.24	15.13	16	0
15	16QAM	1	37	15.15	15.15	15.19		
15	16QAM	1	74	15.13	15.10	15.19		
15	16QAM	36	0	15.06	15.19	15.24	16	0
15	16QAM	36	20	15.05	15.07	15.04		
15	16QAM	36	39	15.15	15.20	15.18		
15	16QAM	75	0	15.16	15.21	15.08		
15	64QAM	1	0	15.13	15.16	15.11	16	0
15	64QAM	1	37	15.10	15.22	15.07		
15	64QAM	1	74	15.08	15.04	15.08		
15	64QAM	36	0	15.10	15.27	15.15	16	0
15	64QAM	36	20	15.10	15.19	15.22		
15	64QAM	36	39	15.09	15.20	15.12		
15	64QAM	75	0	15.12	15.14	15.06		
15	256QAM	1	0	15.15	15.13	15.22	16	0
15	256QAM	1	37	15.09	15.15	15.13		
15	256QAM	1	74	15.01	15.20	15.10		
15	256QAM	36	0	15.15	15.24	15.24	16	0
15	256QAM	36	20	15.13	15.20	15.23		
15	256QAM	36	39	15.05	15.14	15.26		
15	256QAM	75	0	15.03	15.26	15.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	15.28	15.21	15.28	16	0
10	QPSK	1	25	15.07	15.20	15.26		
10	QPSK	1	49	15.03	15.21	15.22		
10	QPSK	25	0	15.19	15.26	15.12	16	0
10	QPSK	25	12	15.06	15.19	15.21		
10	QPSK	25	25	15.17	15.12	15.13		
10	QPSK	50	0	15.07	15.10	15.04		
10	16QAM	1	0	15.21	15.18	15.17	16	0
10	16QAM	1	25	15.14	15.15	15.19		
10	16QAM	1	49	15.16	15.15	15.21		
10	16QAM	25	0	15.13	15.16	15.17	16	0
10	16QAM	25	12	15.08	15.13	15.11		
10	16QAM	25	25	15.07	15.16	15.21		
10	16QAM	50	0	15.11	15.21	15.11		
10	64QAM	1	0	15.09	15.16	15.09	16	0
10	64QAM	1	25	15.15	15.17	15.06		
10	64QAM	1	49	15.00	15.14	15.02		
10	64QAM	25	0	15.01	15.23	15.23	16	0
10	64QAM	25	12	15.07	15.22	15.21		
10	64QAM	25	25	15.01	15.14	15.06		
10	64QAM	50	0	15.15	15.09	15.14		
10	256QAM	1	0	15.06	15.19	15.18	16	0
10	256QAM	1	25	15.03	15.15	15.09		
10	256QAM	1	49	15.08	15.13	15.16		
10	256QAM	25	0	15.18	15.20	15.18	16	0
10	256QAM	25	12	15.16	15.22	15.19		
10	256QAM	25	25	15.02	15.13	15.16		
10	256QAM	50	0	15.03	15.25	15.28		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.25	15.25	15.28	16	0
5	QPSK	1	12	15.11	15.11	15.18		
5	QPSK	1	24	15.06	15.09	15.22		
5	QPSK	12	0	15.12	15.26	15.14	16	0
5	QPSK	12	7	15.07	15.19	15.14		
5	QPSK	12	13	15.13	15.22	15.17		
5	QPSK	25	0	15.03	15.06	15.07		
5	16QAM	1	0	15.14	15.15	15.19	16	0
5	16QAM	1	12	15.15	15.18	15.23		
5	16QAM	1	24	15.17	15.17	15.25		
5	16QAM	12	0	15.05	15.13	15.13	16	0
5	16QAM	12	7	15.00	15.12	15.06		
5	16QAM	12	13	15.13	15.16	15.28		
5	16QAM	25	0	15.15	15.11	15.08		
5	64QAM	1	0	15.05	15.15	15.08	16	0
5	64QAM	1	12	15.13	15.23	15.06		
5	64QAM	1	24	15.10	15.10	15.03		
5	64QAM	12	0	15.09	15.19	15.14	16	0
5	64QAM	12	7	15.13	15.22	15.20		
5	64QAM	12	13	15.09	15.17	15.14		
5	64QAM	25	0	15.18	15.18	15.11		
5	256QAM	1	0	15.03	15.23	15.16	16	0
5	256QAM	1	12	15.10	15.16	15.15		
5	256QAM	1	24	15.05	15.11	15.17		
5	256QAM	12	0	15.21	15.21	15.24	16	0
5	256QAM	12	7	15.11	15.24	15.24		
5	256QAM	12	13	15.04	15.03	15.18		
5	256QAM	25	0	15.09	15.19	15.24		

Band 41 Ant2 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.48	15.18	15.49	15.23	15.41	16	0
20	QPSK	1	49	15.44	15.16	15.40	15.15	15.41		
20	QPSK	1	99	15.43	15.13	15.40	15.17	15.40		
20	QPSK	50	0	15.42	15.22	15.48	15.26	15.38	16	0
20	QPSK	50	24	15.44	15.29	15.46	15.13	15.40		
20	QPSK	50	50	15.46	15.11	15.39	15.17	15.41		
20	QPSK	100	0	15.39	15.25	15.47	15.20	15.46		
20	16QAM	1	0	15.39	15.20	15.46	15.13	15.40	16	0
20	16QAM	1	49	15.35	15.23	15.30	15.13	15.44		
20	16QAM	1	99	15.48	15.18	15.43	15.17	15.39		
20	16QAM	50	0	15.36	15.21	15.48	15.35	15.39	16	0
20	16QAM	50	24	15.37	15.36	15.47	15.12	15.39		
20	16QAM	50	50	15.40	15.10	15.36	15.23	15.45		
20	16QAM	100	0	15.38	15.28	15.44	15.24	15.46		
20	64QAM	1	0	15.31	15.31	15.42	15.13	15.32	16	0
20	64QAM	1	49	15.36	15.23	15.29	15.09	15.43		
20	64QAM	1	99	15.35	15.17	15.37	15.18	15.40		
20	64QAM	50	0	15.30	15.31	15.46	15.22	15.30	16	0
20	64QAM	50	24	15.32	15.25	15.45	15.08	15.37		
20	64QAM	50	50	15.36	15.19	15.38	15.17	15.47		
20	64QAM	100	0	15.31	15.18	15.42	15.20	15.42		
20	256QAM	1	0	15.38	15.11	15.45	15.28	15.30	16	0
20	256QAM	1	49	15.34	15.32	15.40	15.15	15.45		
20	256QAM	1	99	15.21	15.15	15.31	15.05	15.47		
20	256QAM	50	0	15.32	15.31	15.39	15.18	15.32	16	0
20	256QAM	50	24	15.41	15.27	15.46	15.19	15.30		
20	256QAM	50	50	15.41	15.21	15.35	15.00	15.44		
20	256QAM	100	0	15.16	15.17	15.42	15.19	15.43		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.45	15.16	15.42	15.20	15.33	16	0
15	QPSK	1	37	15.46	15.19	15.42	15.13	15.36		
15	QPSK	1	74	15.42	15.08	15.38	15.16	15.31		
15	QPSK	36	0	15.35	15.17	15.45	15.20	15.35	16	0
15	QPSK	36	20	15.39	15.23	15.48	15.10	15.33		
15	QPSK	36	39	15.43	15.08	15.37	15.17	15.37		
15	QPSK	75	0	15.33	15.26	15.47	15.16	15.38		
15	16QAM	1	0	15.31	15.14	15.41	15.06	15.35	16	0
15	16QAM	1	37	15.29	15.18	15.33	15.13	15.42		
15	16QAM	1	74	15.45	15.12	15.46	15.16	15.32		
15	16QAM	36	0	15.36	15.24	15.48	15.32	15.33	16	0
15	16QAM	36	20	15.37	15.28	15.45	15.15	15.40		
15	16QAM	36	39	15.31	15.12	15.32	15.25	15.47		
15	16QAM	75	0	15.29	15.22	15.44	15.20	15.42		
15	64QAM	1	0	15.29	15.33	15.40	15.09	15.28	16	0
15	64QAM	1	37	15.27	15.15	15.25	15.00	15.35		
15	64QAM	1	74	15.29	15.16	15.36	15.14	15.34		
15	64QAM	36	0	15.28	15.29	15.45	15.23	15.25	16	0
15	64QAM	36	20	15.30	15.26	15.37	15.00	15.38		
15	64QAM	36	39	15.28	15.10	15.35	15.13	15.45		
15	64QAM	75	0	15.30	15.17	15.33	15.21	15.36		
15	256QAM	1	0	15.33	15.08	15.39	15.31	15.26	16	0
15	256QAM	1	37	15.28	15.27	15.32	15.16	15.38		
15	256QAM	1	74	15.17	15.11	15.34	15.04	15.42		
15	256QAM	36	0	15.27	15.27	15.38	15.16	15.27	16	0
15	256QAM	36	20	15.44	15.29	15.44	15.12	15.31		
15	256QAM	36	39	15.39	15.16	15.37	15.14	15.38		
15	256QAM	75	0	15.14	15.12	15.41	15.22	15.37		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.47	15.20	15.43	15.23	15.41	16	0
10	QPSK	1	25	15.40	15.09	15.35	15.12	15.41		
10	QPSK	1	49	15.41	15.05	15.40	15.09	15.33		
10	QPSK	25	0	15.36	15.16	15.41	15.22	15.38	16	0
10	QPSK	25	12	15.46	15.30	15.46	15.14	15.41		
10	QPSK	25	25	15.48	15.08	15.33	15.13	15.44		
10	QPSK	50	0	15.35	15.19	15.46	15.18	15.42		
10	16QAM	1	0	15.36	15.11	15.44	15.06	15.34	16	0
10	16QAM	1	25	15.28	15.15	15.30	15.14	15.46		
10	16QAM	1	49	15.20	15.14	15.35	15.14	15.32		
10	16QAM	25	0	15.31	15.21	15.42	15.36	15.30	16	0
10	16QAM	25	12	15.32	15.34	15.48	15.09	15.37		
10	16QAM	25	25	15.40	15.05	15.32	15.17	15.38		
10	16QAM	50	0	15.30	15.28	15.39	15.19	15.48		
10	64QAM	1	0	15.32	15.26	15.44	15.05	15.33	16	0
10	64QAM	1	25	15.37	15.15	15.28	15.06	15.44		
10	64QAM	1	49	15.33	15.15	15.29	15.12	15.33		
10	64QAM	25	0	15.28	15.34	15.38	15.25	15.27	16	0
10	64QAM	25	12	15.32	15.20	15.41	15.05	15.35		
10	64QAM	25	25	15.30	15.20	15.31	15.13	15.43		
10	64QAM	50	0	15.30	15.09	15.35	15.12	15.36		
10	256QAM	1	0	15.35	15.11	15.38	15.23	15.24	16	0
10	256QAM	1	25	15.36	15.26	15.38	15.16	15.40		
10	256QAM	1	49	15.15	15.16	15.25	15.04	15.47		
10	256QAM	25	0	15.28	15.23	15.40	15.20	15.34	16	0
10	256QAM	25	12	15.40	15.18	15.45	15.19	15.31		
10	256QAM	25	25	15.43	15.17	15.33	15.19	15.39		
10	256QAM	50	0	15.09	15.14	15.39	15.21	15.39		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.31	15.20	15.48	15.24	15.37	16	0
5	QPSK	1	12	15.38	15.18	15.31	15.07	15.32		
5	QPSK	1	24	15.44	15.06	15.34	15.09	15.36		
5	QPSK	12	0	15.38	15.17	15.45	15.24	15.40	16	0
5	QPSK	12	7	15.37	15.32	15.38	15.10	15.38		
5	QPSK	12	13	15.41	15.14	15.38	15.13	15.41		
5	QPSK	25	0	15.41	15.26	15.39	15.18	15.48		
5	16QAM	1	0	15.33	15.19	15.44	15.15	15.42	16	0
5	16QAM	1	12	15.35	15.19	15.25	15.07	15.39		
5	16QAM	1	24	15.44	15.12	15.39	15.13	15.37		
5	16QAM	12	0	15.32	15.22	15.40	15.29	15.39	16	0
5	16QAM	12	7	15.36	15.34	15.30	15.05	15.40		
5	16QAM	12	13	15.34	15.12	15.28	15.21	15.41		
5	16QAM	25	0	15.36	15.28	15.41	15.20	15.42		
5	64QAM	1	0	15.29	15.24	15.41	15.07	15.26	16	0
5	64QAM	1	12	15.30	15.21	15.24	15.01	15.43		
5	64QAM	1	24	15.33	15.09	15.36	15.12	15.33		
5	64QAM	12	0	15.30	15.25	15.40	15.16	15.24	16	0
5	64QAM	12	7	15.32	15.17	15.37	15.05	15.31		
5	64QAM	12	13	15.27	15.13	15.32	15.14	15.43		
5	64QAM	25	0	15.23	15.14	15.37	15.13	15.41		
5	256QAM	1	0	15.32	15.11	15.37	15.20	15.32	16	0
5	256QAM	1	12	15.27	15.30	15.43	15.13	15.43		
5	256QAM	1	24	15.17	15.10	15.27	15.06	15.47		
5	256QAM	12	0	15.25	15.23	15.41	15.19	15.25	16	0
5	256QAM	12	7	15.42	15.20	15.39	15.19	15.33		
5	256QAM	12	13	15.40	15.22	15.27	15.02	15.36		
5	256QAM	25	0	15.15	15.12	15.43	15.14	15.43		

Band 2 Ant3 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.24	20.48	20.27	21	0
20	QPSK	1	49	20.20	20.46	20.45		
20	QPSK	1	99	20.19	20.28	20.34		
20	QPSK	50	0	19.98	20.38	20.26	21	0
20	QPSK	50	24	20.02	20.23	20.04		
20	QPSK	50	50	19.98	20.14	20.11		
20	QPSK	100	0	19.99	20.16	20.00		
20	16QAM	1	0	19.67	20.09	19.86	21	0
20	16QAM	1	49	19.73	19.97	19.76		
20	16QAM	1	99	19.59	19.89	19.90		
20	16QAM	50	0	19.92	20.21	20.14	21	0
20	16QAM	50	24	20.02	20.11	20.06		
20	16QAM	50	50	19.98	20.20	19.97		
20	16QAM	100	0	19.77	20.04	20.07		
20	64QAM	1	0	20.15	20.34	20.36	21	0
20	64QAM	1	49	19.93	20.29	20.21		
20	64QAM	1	99	20.11	20.31	20.25		
20	64QAM	50	0	19.80	20.24	20.14	21	0
20	64QAM	50	24	20.08	20.13	19.97		
20	64QAM	50	50	19.93	20.17	20.07		
20	64QAM	100	0	19.77	19.98	20.09		
20	256QAM	1	0	18.48	18.65	18.64	19.5	1.5
20	256QAM	1	49	18.42	18.62	18.58		
20	256QAM	1	99	18.44	18.62	18.62		
20	256QAM	50	0	18.50	18.71	18.64	19.5	1.5
20	256QAM	50	24	18.49	18.72	18.71		
20	256QAM	50	50	18.41	18.67	18.66		
20	256QAM	100	0	18.45	18.69	18.64		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.34	20.37	20.32	21	0
15	QPSK	1	37	20.26	20.27	20.32		
15	QPSK	1	74	20.12	20.35	20.40		
15	QPSK	36	0	19.96	20.26	20.35	21	0
15	QPSK	36	20	19.93	20.13	20.19		
15	QPSK	36	39	19.85	20.29	20.18		
15	QPSK	75	0	19.85	20.26	20.20		
15	16QAM	1	0	19.67	20.09	19.95	21	0
15	16QAM	1	37	19.60	19.99	19.98		
15	16QAM	1	74	19.65	19.92	19.98		
15	16QAM	36	0	19.99	20.13	20.20	21	0
15	16QAM	36	20	20.00	19.97	19.90		
15	16QAM	36	39	19.95	20.20	20.10		
15	16QAM	75	0	19.86	20.11	20.07		
15	64QAM	1	0	20.09	20.29	20.40	21	0
15	64QAM	1	37	19.98	20.17	20.20		
15	64QAM	1	74	20.17	20.31	20.17		
15	64QAM	36	0	19.86	20.08	20.14	21	0
15	64QAM	36	20	19.89	20.16	20.07		
15	64QAM	36	39	19.91	20.20	20.22		
15	64QAM	75	0	19.89	19.96	19.88		
15	256QAM	1	0	18.41	18.65	18.59	19.5	1.5
15	256QAM	1	37	18.43	18.58	18.61		
15	256QAM	1	74	18.41	18.64	18.53		
15	256QAM	36	0	18.45	18.72	18.58	19.5	1.5
15	256QAM	36	20	18.51	18.70	18.65		
15	256QAM	36	39	18.39	18.58	18.59		
15	256QAM	75	0	18.43	18.62	18.66		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.15	20.32	20.28	21	0
10	QPSK	1	25	20.19	20.42	20.29		
10	QPSK	1	49	20.12	20.24	20.28		
10	QPSK	25	0	19.98	20.28	20.29	21	0
10	QPSK	25	12	19.93	20.14	20.19		
10	QPSK	25	25	19.93	20.26	20.11		
10	QPSK	50	0	19.83	20.10	20.23		
10	16QAM	1	0	19.83	19.91	19.94	21	0
10	16QAM	1	25	19.79	19.96	19.91		
10	16QAM	1	49	19.58	20.06	19.88		
10	16QAM	25	0	20.00	20.01	20.19	21	0
10	16QAM	25	12	19.96	20.03	20.06		
10	16QAM	25	25	19.96	20.22	20.04		
10	16QAM	50	0	19.87	20.13	19.94		
10	64QAM	1	0	20.21	20.23	20.37	21	0
10	64QAM	1	25	20.16	20.32	20.24		
10	64QAM	1	49	20.19	20.34	20.16		
10	64QAM	25	0	19.88	20.05	20.00	21	0
10	64QAM	25	12	20.04	20.20	20.11		
10	64QAM	25	25	20.04	20.06	20.17		
10	64QAM	50	0	19.84	20.10	20.09		
10	256QAM	1	0	18.46	18.56	18.57	19.5	1.5
10	256QAM	1	25	18.38	18.56	18.59		
10	256QAM	1	49	18.35	18.58	18.65		
10	256QAM	25	0	18.49	18.71	18.61	19.5	1.5
10	256QAM	25	12	18.47	18.64	18.67		
10	256QAM	25	25	18.35	18.68	18.63		
10	256QAM	50	0	18.39	18.67	18.61		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.22	20.34	20.41	21	0
5	QPSK	1	12	20.23	20.41	20.35		
5	QPSK	1	24	20.06	20.23	20.28		
5	QPSK	12	0	19.93	20.25	20.19	21	0
5	QPSK	12	7	20.00	20.23	20.02		
5	QPSK	12	13	19.96	20.25	20.16		
5	QPSK	25	0	19.88	20.24	20.10		
5	16QAM	1	0	19.87	19.88	20.02	21	0
5	16QAM	1	12	19.68	20.00	19.88		
5	16QAM	1	24	19.68	19.94	19.91		
5	16QAM	12	0	19.79	20.14	20.24	21	0
5	16QAM	12	7	19.83	20.01	19.99		
5	16QAM	12	13	19.81	20.20	20.20		
5	16QAM	25	0	19.89	20.08	20.01		
5	64QAM	1	0	20.18	20.33	20.22	21	0
5	64QAM	1	12	20.09	20.15	20.31		
5	64QAM	1	24	20.06	20.16	20.08		
5	64QAM	12	0	19.80	20.17	20.09	21	0
5	64QAM	12	7	19.89	20.21	20.06		
5	64QAM	12	13	19.92	20.05	20.12		
5	64QAM	25	0	19.91	20.02	19.95		
5	256QAM	1	0	18.41	18.58	18.61	19.5	1.5
5	256QAM	1	12	18.39	18.63	18.60		
5	256QAM	1	24	18.40	18.62	18.54		
5	256QAM	12	0	18.52	18.62	18.65	19.5	1.5
5	256QAM	12	7	18.48	18.65	18.70		
5	256QAM	12	13	18.33	18.59	18.64		
5	256QAM	25	0	18.41	18.70	18.58		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.23	20.37	20.33	21	0
3	QPSK	1	8	20.17	20.44	20.41		
3	QPSK	1	14	20.13	20.26	20.39		
3	QPSK	8	0	20.03	20.29	20.18	21	0
3	QPSK	8	4	19.91	20.23	20.09		
3	QPSK	8	7	19.96	20.13	20.25		
3	QPSK	15	0	19.86	20.26	20.18		
3	16QAM	1	0	19.74	19.91	19.96	21	0
3	16QAM	1	8	19.74	19.90	19.98		
3	16QAM	1	14	19.57	20.00	19.97		
3	16QAM	8	0	19.95	20.20	20.09	21	0
3	16QAM	8	4	19.86	20.15	20.12		
3	16QAM	8	7	19.98	20.02	20.02		
3	16QAM	15	0	19.96	20.15	20.03		
3	64QAM	1	0	20.18	20.28	20.33	21	0
3	64QAM	1	8	20.02	20.15	20.31		
3	64QAM	1	14	20.16	20.24	20.23		
3	64QAM	8	0	19.82	20.25	19.97	21	0
3	64QAM	8	4	19.99	20.10	20.01		
3	64QAM	8	7	20.01	20.04	20.15		
3	64QAM	15	0	19.94	20.01	20.07		
3	256QAM	1	0	18.45	18.58	18.62	19.5	1.5
3	256QAM	1	8	18.37	18.54	18.59		
3	256QAM	1	14	18.44	18.53	18.59		
3	256QAM	8	0	18.48	18.74	18.61	19.5	1.5
3	256QAM	8	4	18.48	18.65	18.66		
3	256QAM	8	7	18.35	18.61	18.68		
3	256QAM	15	0	18.38	18.61	18.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.23	20.32	20.39	21	0
1.4	QPSK	1	3	20.30	20.37	20.46		
1.4	QPSK	1	5	20.02	20.35	20.29		
1.4	QPSK	3	0	20.10	20.21	20.19		
1.4	QPSK	3	1	19.91	20.16	20.22		
1.4	QPSK	3	3	20.02	20.16	20.15		
1.4	QPSK	6	0	20.01	20.13	20.23	21	0
1.4	16QAM	1	0	19.70	19.90	19.97	21	0
1.4	16QAM	1	3	19.75	19.92	19.79		
1.4	16QAM	1	5	19.75	19.83	19.86		
1.4	16QAM	3	0	19.88	20.11	20.21		
1.4	16QAM	3	1	19.89	20.00	19.90		
1.4	16QAM	3	3	19.75	20.12	20.00		
1.4	16QAM	6	0	19.90	20.11	19.93	21	0
1.4	64QAM	1	0	20.01	20.31	20.30	21	0
1.4	64QAM	1	3	19.94	20.14	20.30		
1.4	64QAM	1	5	20.16	20.16	20.20		
1.4	64QAM	3	0	19.93	20.08	20.11		
1.4	64QAM	3	1	19.99	20.17	20.03		
1.4	64QAM	3	3	19.91	20.20	20.20		
1.4	64QAM	6	0	19.78	20.15	19.94	21	0
1.4	256QAM	1	0	18.40	18.56	18.56	19.5	1.5
1.4	256QAM	1	3	18.43	18.63	18.53		
1.4	256QAM	1	5	18.41	18.64	18.54		
1.4	256QAM	3	0	18.43	18.62	18.66		
1.4	256QAM	3	1	18.40	18.75	18.69		
1.4	256QAM	3	3	18.33	18.59	18.62		
1.4	256QAM	6	0	18.36	18.71	18.59	19.5	1.5

Band 7 Ant3 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.53	19.61	19.55	20.5	0
20	QPSK	1	49	19.19	19.47	19.42		
20	QPSK	1	99	19.34	19.42	19.31		
20	QPSK	50	0	19.24	19.51	19.46	20.5	0
20	QPSK	50	24	19.18	19.28	19.25		
20	QPSK	50	50	19.21	19.21	19.21		
20	QPSK	100	0	19.19	19.24	19.22		
20	16QAM	1	0	19.09	19.21	19.16	20.5	0
20	16QAM	1	49	18.99	19.21	19.14		
20	16QAM	1	99	19.18	19.22	19.19		
20	16QAM	50	0	19.11	19.40	19.24	20.5	0
20	16QAM	50	24	19.09	19.34	19.16		
20	16QAM	50	50	19.01	19.26	19.24		
20	16QAM	100	0	19.15	19.34	19.34		
20	64QAM	1	0	19.39	19.38	19.38	20.5	0
20	64QAM	1	49	19.27	19.35	19.34		
20	64QAM	1	99	19.36	19.39	19.45		
20	64QAM	50	0	19.09	19.34	19.11	20.5	0
20	64QAM	50	24	19.02	19.32	19.29		
20	64QAM	50	50	19.15	19.21	19.08		
20	64QAM	100	0	19.27	19.35	19.41		
20	256QAM	1	0	18.40	18.56	18.54	19.5	1
20	256QAM	1	49	18.36	18.49	18.46		
20	256QAM	1	99	18.35	18.52	18.49		
20	256QAM	50	0	18.42	18.52	18.47	19.5	1
20	256QAM	50	24	18.38	18.57	18.52		
20	256QAM	50	50	18.39	18.52	18.45		
20	256QAM	100	0	18.43	18.59	18.54		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.42	19.45	19.49	20.5	0
15	QPSK	1	37	19.35	19.44	19.53		
15	QPSK	1	74	19.30	19.45	19.28		
15	QPSK	36	0	19.19	19.32	19.39	20.5	0
15	QPSK	36	20	19.18	19.45	19.35		
15	QPSK	36	39	19.20	19.37	19.22		
15	QPSK	75	0	19.06	19.25	19.24		
15	16QAM	1	0	19.17	19.38	19.21	20.5	0
15	16QAM	1	37	19.14	19.21	19.21		
15	16QAM	1	74	19.28	19.25	19.18		
15	16QAM	36	0	19.16	19.32	19.28	20.5	0
15	16QAM	36	20	19.11	19.18	19.15		
15	16QAM	36	39	19.20	19.27	19.27		
15	16QAM	75	0	19.07	19.35	19.27		
15	64QAM	1	0	19.38	19.51	19.38	20.5	0
15	64QAM	1	37	19.18	19.52	19.42		
15	64QAM	1	74	19.26	19.33	19.42		
15	64QAM	36	0	19.05	19.33	19.08	20.5	0
15	64QAM	36	20	19.02	19.37	19.35		
15	64QAM	36	39	19.13	19.26	19.03		
15	64QAM	75	0	19.20	19.26	19.24		
15	256QAM	1	0	18.33	18.52	18.55	19.5	1
15	256QAM	1	37	18.36	18.40	18.39		
15	256QAM	1	74	18.32	18.46	18.51		
15	256QAM	36	0	18.44	18.47	18.47	19.5	1
15	256QAM	36	20	18.40	18.59	18.54		
15	256QAM	36	39	18.40	18.47	18.37		
15	256QAM	75	0	18.35	18.51	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.40	19.42	19.39	20.5	0
10	QPSK	1	25	19.27	19.40	19.36		
10	QPSK	1	49	19.17	19.46	19.44		
10	QPSK	25	0	19.23	19.46	19.33	20.5	0
10	QPSK	25	12	19.10	19.38	19.19		
10	QPSK	25	25	19.10	19.27	19.30		
10	QPSK	50	0	19.11	19.41	19.38		
10	16QAM	1	0	19.07	19.37	19.22	20.5	0
10	16QAM	1	25	19.18	19.11	19.19		
10	16QAM	1	49	19.15	19.30	19.27		
10	16QAM	25	0	19.23	19.25	19.22	20.5	0
10	16QAM	25	12	19.06	19.27	19.17		
10	16QAM	25	25	19.22	19.31	19.19		
10	16QAM	50	0	19.02	19.21	19.18		
10	64QAM	1	0	19.23	19.46	19.27	20.5	0
10	64QAM	1	25	19.18	19.40	19.52		
10	64QAM	1	49	19.27	19.34	19.36		
10	64QAM	25	0	19.18	19.18	19.09	20.5	0
10	64QAM	25	12	19.00	19.15	19.23		
10	64QAM	25	25	19.04	19.10	19.20		
10	64QAM	50	0	19.24	19.42	19.19		
10	256QAM	1	0	18.33	18.55	18.45	19.5	1
10	256QAM	1	25	18.37	18.49	18.37		
10	256QAM	1	49	18.29	18.48	18.49		
10	256QAM	25	0	18.44	18.44	18.48	19.5	1
10	256QAM	25	12	18.36	18.53	18.51		
10	256QAM	25	25	18.38	18.47	18.42		
10	256QAM	50	0	18.35	18.62	18.51		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.38	19.43	19.49	20.5	0
5	QPSK	1	12	19.30	19.42	19.37		
5	QPSK	1	24	19.12	19.47	19.27		
5	QPSK	12	0	19.25	19.33	19.42	20.5	0
5	QPSK	12	7	19.30	19.46	19.25		
5	QPSK	12	13	19.05	19.38	19.32		
5	QPSK	25	0	19.19	19.21	19.25		
5	16QAM	1	0	19.28	19.25	19.25	20.5	0
5	16QAM	1	12	19.17	19.22	19.26		
5	16QAM	1	24	19.16	19.19	19.12		
5	16QAM	12	0	19.14	19.39	19.16	20.5	0
5	16QAM	12	7	19.10	19.19	19.18		
5	16QAM	12	13	19.01	19.13	19.04		
5	16QAM	25	0	19.08	19.16	19.15		
5	64QAM	1	0	19.34	19.40	19.41	20.5	0
5	64QAM	1	12	19.17	19.42	19.39		
5	64QAM	1	24	19.16	19.44	19.36		
5	64QAM	12	0	19.06	19.28	19.25	20.5	0
5	64QAM	12	7	19.06	19.26	19.13		
5	64QAM	12	13	19.11	19.18	19.06		
5	64QAM	25	0	19.08	19.39	19.33		
5	256QAM	1	0	18.34	18.49	18.52	19.5	1
5	256QAM	1	12	18.31	18.45	18.46		
5	256QAM	1	24	18.32	18.49	18.48		
5	256QAM	12	0	18.42	18.46	18.43	19.5	1
5	256QAM	12	7	18.36	18.52	18.46		
5	256QAM	12	13	18.35	18.52	18.38		
5	256QAM	25	0	18.41	18.53	18.53		

Band 7 Ant3 DSI5 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.42	19.64	19.49	20.5	0
20	QPSK	1	49	19.24	19.44	19.37		
20	QPSK	1	99	19.37	19.51	19.36		
20	QPSK	50	0	19.35	19.50	19.36	20.5	0
20	QPSK	50	24	19.19	19.41	19.18		
20	QPSK	50	50	19.12	19.31	19.35		
20	QPSK	100	0	19.12	19.41	19.33		
20	16QAM	1	0	19.20	19.24	19.23	20.5	0
20	16QAM	1	49	19.08	19.25	19.16		
20	16QAM	1	99	19.18	19.32	19.23		
20	16QAM	50	0	19.19	19.25	19.35	20.5	0
20	16QAM	50	24	19.25	19.40	19.10		
20	16QAM	50	50	19.07	19.33	19.14		
20	16QAM	100	0	19.11	19.31	19.32		
20	64QAM	1	0	19.35	19.51	19.40	20.5	0
20	64QAM	1	49	19.39	19.37	19.51		
20	64QAM	1	99	19.32	19.50	19.40		
20	64QAM	50	0	19.19	19.19	19.15	20.5	0
20	64QAM	50	24	19.07	19.25	19.32		
20	64QAM	50	50	19.05	19.25	19.05		
20	64QAM	100	0	19.17	19.44	19.39		
20	256QAM	1	0	18.55	18.66	18.62	19.5	1
20	256QAM	1	49	18.58	18.63	18.60		
20	256QAM	1	99	18.52	18.56	18.55		
20	256QAM	50	0	18.57	18.62	18.55	19.5	1
20	256QAM	50	24	18.66	18.60	18.66		
20	256QAM	50	50	18.51	18.47	18.59		
20	256QAM	100	0	18.48	18.53	18.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.34	19.47	19.43	20.5	0
15	QPSK	1	37	19.27	19.41	19.34		
15	QPSK	1	74	19.10	19.34	19.43		
15	QPSK	36	0	19.28	19.35	19.40	20.5	0
15	QPSK	36	20	19.16	19.44	19.33		
15	QPSK	36	39	19.09	19.27	19.14		
15	QPSK	75	0	19.16	19.24	19.27		
15	16QAM	1	0	19.10	19.22	19.28	20.5	0
15	16QAM	1	37	18.93	19.22	19.11		
15	16QAM	1	74	19.07	19.15	19.27		
15	16QAM	36	0	19.16	19.30	19.24	20.5	0
15	16QAM	36	20	19.06	19.19	19.06		
15	16QAM	36	39	19.08	19.23	19.12		
15	16QAM	75	0	19.00	19.28	19.19		
15	64QAM	1	0	19.26	19.47	19.29	20.5	0
15	64QAM	1	37	19.26	19.47	19.31		
15	64QAM	1	74	19.31	19.29	19.34		
15	64QAM	36	0	19.13	19.25	19.12	20.5	0
15	64QAM	36	20	19.02	19.34	19.12		
15	64QAM	36	39	18.94	19.16	19.03		
15	64QAM	75	0	19.11	19.26	19.38		
15	256QAM	1	0	18.51	18.64	18.61	19.5	1
15	256QAM	1	37	18.50	18.59	18.54		
15	256QAM	1	74	18.46	18.48	18.51		
15	256QAM	36	0	18.54	18.61	18.51	19.5	1
15	256QAM	36	20	18.59	18.63	18.65		
15	256QAM	36	39	18.43	18.39	18.56		
15	256QAM	75	0	18.42	18.55	18.46		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.49	19.41	19.51	20.5	0
10	QPSK	1	25	19.12	19.44	19.41		
10	QPSK	1	49	19.26	19.28	19.34		
10	QPSK	25	0	19.12	19.28	19.43	20.5	0
10	QPSK	25	12	19.19	19.27	19.29		
10	QPSK	25	25	19.06	19.14	19.29		
10	QPSK	50	0	19.04	19.25	19.17		
10	16QAM	1	0	19.20	19.24	19.22	20.5	0
10	16QAM	1	25	18.96	19.10	19.14		
10	16QAM	1	49	19.08	19.15	19.24		
10	16QAM	25	0	19.22	19.20	19.26	20.5	0
10	16QAM	25	12	19.12	19

Band 38 Ant3 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.75	20.10	19.90	20.5	0
20	QPSK	1	49	19.87	19.89	19.84		
20	QPSK	1	99	19.44	19.53	19.29		
20	QPSK	50	0	19.70	19.83	19.66	20.5	0
20	QPSK	50	24	19.82	19.77	19.66		
20	QPSK	50	50	19.70	19.79	19.67		
20	QPSK	100	0	19.76	19.88	19.64		
20	16QAM	1	0	19.58	19.66	19.64	20.5	0
20	16QAM	1	49	19.64	19.79	19.60		
20	16QAM	1	99	19.45	19.57	19.50		
20	16QAM	50	0	19.54	19.70	19.74	20.5	0
20	16QAM	50	24	19.57	19.85	19.76		
20	16QAM	50	50	19.74	19.73	19.70		
20	16QAM	100	0	19.72	19.95	19.71		
20	64QAM	1	0	19.79	19.97	19.84	20.5	0
20	64QAM	1	49	19.77	19.81	19.80		
20	64QAM	1	99	19.84	19.83	19.82		
20	64QAM	50	0	19.82	19.79	19.75	20.5	0
20	64QAM	50	24	19.68	19.75	19.67		
20	64QAM	50	50	19.58	19.83	19.76		
20	64QAM	100	0	19.81	19.83	19.73		
20	256QAM	1	0	19.24	19.39	19.33	20	0.5
20	256QAM	1	49	19.25	19.38	19.23		
20	256QAM	1	99	19.31	19.38	19.25		
20	256QAM	50	0	19.29	19.42	19.27	20	0.5
20	256QAM	50	24	19.24	19.38	19.24		
20	256QAM	50	50	19.34	19.41	19.35		
20	256QAM	100	0	19.40	19.46	19.31		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.69	19.86	19.88	20.5	0
15	QPSK	1	37	19.93	19.91	19.85		
15	QPSK	1	74	19.46	19.47	19.46		
15	QPSK	36	0	19.83	19.93	19.72	20.5	0
15	QPSK	36	20	19.62	19.82	19.76		
15	QPSK	36	39	19.57	19.73	19.57		
15	QPSK	75	0	19.62	19.85	19.65		
15	16QAM	1	0	19.54	19.63	19.66	20.5	0
15	16QAM	1	37	19.45	19.75	19.50		
15	16QAM	1	74	19.61	19.59	19.58		
15	16QAM	36	0	19.63	19.72	19.64	20.5	0
15	16QAM	36	20	19.60	19.88	19.65		
15	16QAM	36	39	19.72	19.90	19.59		
15	16QAM	75	0	19.60	19.82	19.74		
15	64QAM	1	0	19.69	19.89	19.83	20.5	0
15	64QAM	1	37	19.82	19.88	19.71		
15	64QAM	1	74	19.80	19.87	19.74		
15	64QAM	36	0	19.64	19.78	19.65	20.5	0
15	64QAM	36	20	19.70	19.65	19.56		
15	64QAM	36	39	19.72	19.82	19.74		
15	64QAM	75	0	19.69	19.80	19.82		
15	256QAM	1	0	19.24	19.36	19.27	20	0.5
15	256QAM	1	37	19.27	19.35	19.21		
15	256QAM	1	74	19.29	19.36	19.24		
15	256QAM	36	0	19.29	19.42	19.20	20	0.5
15	256QAM	36	20	19.16	19.39	19.26		
15	256QAM	36	39	19.29	19.36	19.30		
15	256QAM	75	0	19.32	19.48	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.90	19.94	19.76	20.5	0
10	QPSK	1	25	19.85	19.97	19.84		
10	QPSK	1	49	19.43	19.39	19.31		
10	QPSK	25	0	19.75	19.91	19.70	20.5	0
10	QPSK	25	12	19.82	19.73	19.73		
10	QPSK	25	25	19.68	19.79	19.64		
10	QPSK	50	0	19.60	19.79	19.72		
10	16QAM	1	0	19.47	19.62	19.47	20.5	0
10	16QAM	1	25	19.68	19.64	19.60		
10	16QAM	1	49	19.52	19.69	19.60		
10	16QAM	25	0	19.63	19.69	19.66	20.5	0
10	16QAM	25	12	19.74	19.66	19.61		
10	16QAM	25	25	19.71	19.84	19.61		
10	16QAM	50	0	19.73	19.90	19.76		
10	64QAM	1	0	19.74	19.98	19.70	20.5	0
10	64QAM	1	25	19.75	19.88	19.82		
10	64QAM	1	49	19.73	19.95	19.77		
10	64QAM	25	0	19.66	19.84	19.54	20.5	0
10	64QAM	25	12	19.69	19.74	19.70		
10	64QAM	25	25	19.59	19.84	19.52		
10	64QAM	50	0	19.90	19.81	19.74		
10	256QAM	1	0	19.23	19.42	19.35	20	0.5
10	256QAM	1	25	19.27	19.38	19.25		
10	256QAM	1	49	19.32	19.35	19.16		
10	256QAM	25	0	19.24	19.42	19.24	20	0.5
10	256QAM	25	12	19.26	19.41	19.26		
10	256QAM	25	25	19.26	19.34	19.36		
10	256QAM	50	0	19.41	19.46	19.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.88	20.01	19.89	20.5	0
5	QPSK	1	12	19.84	19.93	19.93		
5	QPSK	1	24	19.41	19.39	19.30		
5	QPSK	12	0	19.80	19.86	19.71	20.5	0
5	QPSK	12	7	19.81	19.85	19.74		
5	QPSK	12	13	19.67	19.71	19.69		
5	QPSK	25	0	19.59	19.74	19.69		
5	16QAM	1	0	19.67	19.55	19.49	20.5	0
5	16QAM	1	12	19.62	19.65	19.63		
5	16QAM	1	24	19.62	19.46	19.37		
5	16QAM	12	0	19.69	19.70	19.77	20.5	0
5	16QAM	12	7	19.74	19.77	19.59		
5	16QAM	12	13	19.75	19.74	19.72		
5	16QAM	25	0	19.60	19.83	19.84		
5	64QAM	1	0	19.87	19.93	19.83	20.5	0
5	64QAM	1	12	19.72	19.79	19.76		
5	64QAM	1	24	19.64	19.78	19.74		
5	64QAM	12	0	19.79	19.76	19.68	20.5	0
5	64QAM	12	7	19.59	19.77	19.68		
5	64QAM	12	13	19.56	19.72	19.65		
5	64QAM	25	0	19.83	19.83	19.76		
5	256QAM	1	0	19.21	19.36	19.27	20	0.5
5	256QAM	1	12	19.22	19.36	19.23		
5	256QAM	1	24	19.27	19.32	19.19		
5	256QAM	12	0	19.20	19.38	19.21	20	0.5
5	256QAM	12	7	19.22	19.40	19.20		
5	256QAM	12	13	19.30	19.34	19.29		
5	256QAM	25	0	19.38	19.44	19.22		

Band 41 Ant3 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.73	19.67	20.17	19.76	19.98	20.5	0
20	QPSK	1	49	19.70	19.82	20.02	19.72	19.83		
20	QPSK	1	99	19.76	19.75	19.99	19.80	19.97		
20	QPSK	50	0	19.83	19.83	20.15	19.68	19.98	20.5	0
20	QPSK	50	24	19.63	19.60	20.10	19.64	19.91		
20	QPSK	50	50	19.63	19.75	20.10	19.62	20.03		
20	QPSK	100	0	19.84	19.79	19.99	19.75	19.97		
20	16QAM	1	0	19.64	19.60	19.98	19.68	19.85	20.5	0
20	16QAM	1	49	19.67	19.72	19.91	19.70	19.85		
20	16QAM	1	99	19.85	19.66	20.14	19.62	19.92		
20	16QAM	50	0	19.79	19.75	19.89	19.73	19.81	20.5	0
20	16QAM	50	24	19.76	19.79	20.00	19.62	19.69		
20	16QAM	50	50	19.72	19.68	20.02	19.59	20.05		
20	16QAM	100	0	19.88	19.62	20.01	19.55	19.89		
20	64QAM	1	0	19.79	19.58	19.88	19.72	19.86	20.5	0
20	64QAM	1	49	19.70	19.70	19.94	19.67	19.73		
20	64QAM	1	99	19.64	19.61	20.13	19.58	20.01		
20	64QAM	50	0	19.72	19.70	19.93	19.78	19.80	20.5	0
20	64QAM	50	24	19.53	19.62	19.98	19.65	19.80		
20	64QAM	50	50	19.78	19.59	19.92	19.54	19.92		
20	64QAM	100	0	19.91	19.71	20.02	19.72	19.97		
20	256QAM	1	0	19.22	19.19	19.47	19.22	19.36	20	0.5
20	256QAM	1	49	19.04	19.16	19.41	19.13	19.24		
20	256QAM	1	99	19.16	19.14	19.49	19.11	19.36		
20	256QAM	50	0	19.18	19.21	19.59	19.07	19.37	20	0.5
20	256QAM	50	24	19.16	19.11	19.47	19.19	19.26		
20	256QAM	50	50	19.17	19.11	19.40	19.16	19.30		
20	256QAM	100	0	19.13	19.15	19.54	19.11	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.56	19.54	19.93	19.50	19.65	21	0
15	QPSK	1	37	19.55	19.50	19.88	19.39	19.62		
15	QPSK	1	74	19.52	19.48	19.87	19.61	19.66		
15	QPSK	36	0	19.54	19.67	19.88	19.58	19.86	20.5	0
15	QPSK	36	20	19.47	19.62	19.72	19.50	19.69		
15	QPSK	36	39	19.46	19.48	19.84	19.60	19.68		
15	QPSK	75	0	19.72	19.70	19.86	19.50	19.78		
15	16QAM	1	0	19.51	19.54	19.87	19.43	19.74	20.5	0
15	16QAM	1	37	19.46	19.63	19.74	19.51	19.70		
15	16QAM	1	74	19.63	19.38	19.90	19.50	19.66		
15	16QAM	36	0	19.68	19.55	19.97	19.62	19.67	20.5	0
15	16QAM	36	20	19.55	19.48	19.77	19.54	19.70		
15	16QAM	36	39	19.59	19.44	19.83	19.60	19.89		
15	16QAM	75	0	19.54	19.62	19.88	19.37	19.73		
15	64QAM	1	0	19.56	19.54	19.71	19.39	19.71	20.5	0
15	64QAM	1	37	19.48	19.43	19.81	19.59	19.55		
15	64QAM	1	74	19.57	19.46	19.91	19.55	19.76		
15	64QAM	36	0	19.57	19.57	19.84	19.63	19.85	20.5	0
15	64QAM	36	20	19.52	19.60	19.86	19.44	19.64		
15	64QAM	36	39	19.50	19.57	19.87	19.51	19.76		
15	64QAM	75	0	19.61	19.55	19.93	19.46	19.74		
15	256QAM	1	0	19.25	19.15	19.43	19.14	19.29	20	0.5
15	256QAM	1	37	18.97	19.07	19.40	19.15	19.16		
15	256QAM	1	74	19.14	19.06	19.49	19.12	19.34		
15	256QAM	36	0	19.10	19.17	19.53	19.00	19.35	20	0.5
15	256QAM	36	20	19.17	19.03	19.41	19.11	19.22		
15	256QAM	36	39	19.11	19.05	19.32	19.13	19.28		
15	256QAM	75	0	19.12	19.17	19.56	19.03	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.64	19.47	19.96	19.54	19.66	21	0
10	QPSK	1	25	19.59	19.45	19.84	19.47	19.80		
10	QPSK	1	49	19.51	19.62	20.02	19.43	19.62		
10	QPSK	25	0	19.53	19.65	19.83	19.65	19.73	20.5	0
10	QPSK	25	12	19.54	19.63	19.78	19.44	19.70		
10	QPSK	25	25	19.51	19.46	19.97	19.50	19.73		
10	QPSK	50	0	19.57	19.62	19.91	19.47	19.88		
10	16QAM	1	0	19.48	19.46	19.89	19.48	19.66	20.5	0
10	16QAM	1	25	19.54	19.55	19.77	19.62	19.70		
10	16QAM	1	49	19.68	19.41	19.84	19.61	19.67		
10	16QAM	25	0	19.65	19.64	19.80	19.63	19.78	20.5	0
10	16QAM	25	12	19.50	19.43	19.75	19.48	19.63		
10	16QAM	25	25	19.61	19.60	19.94	19.54	19.81		
10	16QAM	50	0	19.75	19.61	19.93	19.55	19.61		
10	64QAM	1	0	19.56	19.47	19.88	19.39	19.70	20.5	0
10	64QAM	1	25	19.38	19.40	19.79	19.53	19.55		
10	64QAM	1	49	19.65	19.41	19.90	19.59	19.71		
10	64QAM	25	0	19.71	19.62	19.92	19.60	19.83	20.5	0
10	64QAM	25	12	19.32	19.49	19.70	19.64	19.71		
10	64QAM	25	25	19.55	19.57	19.77	19.37	19.75		
10	64QAM	50	0	19.67	19.68	19.83	19.50	19.71		
10	256QAM	1	0	19.14	19.12	19.39	19.15	19.28	20	0.5
10	256QAM	1	25	19.06	19.15	19.44	19.06	19.22		
10	256QAM	1	49	19.13	19.13	19.46	19.02	19.37		
10	256QAM	25	0	19.17	19.23	19.58	19.03	19.34	20	0.5
10	256QAM	25	12	19.11	19.04	19.42	19.21	19.26		
10	256QAM	25	25	19.17	19.13	19.39	19.16	19.27		
10	256QAM	50	0	19.10	19.11	19.45	19.06	19.33		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.69	19.48	19.95	19.46	19.70	21	0
5	QPSK	1	12	19.42	19.48	19.77	19.61	19.59		
5	QPSK	1	24	19.58	19.52	19.93	19.61	19.80		
5	QPSK	12	0	19.51	19.64	19.84	19.49	19.75	20.5	0
5	QPSK	12	7	19.46	19.49	19.92	19.54	19.61		
5	QPSK	12	13	19.47	19.58	19.94	19.60	19.66		
5	QPSK	25	0	19.70	19.56	19.95	19.59	19.90		
5	16QAM	1	0	19.58	19.62	19.94	19.45	19.73	20.5	0
5	16QAM	1	12	19.60	19.66	19.75	19.64	19.71		
5	16QAM	1	24	19.53	19.39	19.96	19.51	19.73		
5	16QAM	12	0	19.66	19.62	19.91	19.68	19.84	20.5	0
5	16QAM	12	7	19.54	19.54	19.88	19.46	19.64		
5	16QAM	12	13	19.53	19.63	19.95	19.51	19.74		
5	16QAM	25	0	19.70	19.46	19.99	19.37	19.74		
5	64QAM	1	0	19.68	19.59	19.90	19.47	19.83	20.5	0
5	64QAM	1	12	19.47	19.39	19.76	19.57	19.55		
5	64QAM	1	24	19.63	19.52	20.01	19.39	19.68		
5	64QAM	12	0	19.62	19.58	19.99	19.65	19.81	20.5	0
5	64QAM	12	7	19.39	19.59	19.78	19.59	19.64		
5	64QAM	12	13	19.43	19.42	19.88	19.41	19.84		
5	64QAM	25	0	19.71	19.57	20.00	19.57	19.81		
5	256QAM	1	0	19.16	19.14	19.46	19.21	19.37	20	0.5
5	256QAM	1	12	19.00	19.16	19.33	19.10	19.15		
5	256QAM	1	24	19.19	19.11	19.46	19.11	19.29		
5	256QAM	12	0	19.17	19.22	19.51	19.08	19.37	20	0.5
5	256QAM	12	7	19.19	19.09	19.42	19.22	19.27		
5	256QAM	12	13	19.12	19.06	19.43	19.09	19.28		
5	256QAM	25	0	19.08	19.15	19.49	19.09	19.26		

Band 7 Ant4 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.49	19.58	19.48	20.5	0
20	QPSK	1	49	19.33	19.44	19.35		
20	QPSK	1	99	19.30	19.38	19.27		
20	QPSK	50	0	19.27	19.40	19.19	20.5	0
20	QPSK	50	24	19.32	19.33	19.25		
20	QPSK	50	50	19.26	19.26	19.11		
20	QPSK	100	0	19.21	19.32	19.21		
20	16QAM	1	0	19.19	19.29	19.16	20.5	0
20	16QAM	1	49	19.07	19.22	18.97		
20	16QAM	1	99	19.03	19.16	19.01		
20	16QAM	50	0	19.15	19.29	19.22	20.5	0
20	16QAM	50	24	19.18	19.18	19.06		
20	16QAM	50	50	19.18	19.29	19.16		
20	16QAM	100	0	19.13	19.22	19.05		
20	64QAM	1	0	19.28	19.43	19.33	20.5	0
20	64QAM	1	49	19.33	19.44	19.37		
20	64QAM	1	99	19.27	19.41	19.26		
20	64QAM	50	0	19.23	19.32	19.16	20.5	0
20	64QAM	50	24	19.11	19.14	19.09		
20	64QAM	50	50	19.11	19.17	19.06		
20	64QAM	100	0	19.31	19.34	19.23		
20	256QAM	1	0	19.29	19.42	19.32	20.5	0
20	256QAM	1	49	19.27	19.36	19.23		
20	256QAM	1	99	19.32	19.38	19.26		
20	256QAM	50	0	19.43	19.49	19.32	20.5	0
20	256QAM	50	24	19.33	19.48	19.33		
20	256QAM	50	50	19.31	19.42	19.27		
20	256QAM	100	0	19.36	19.45	19.28		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.20	19.30	19.15	20.5	0
15	QPSK	1	37	19.08	19.12	19.07		
15	QPSK	1	74	19.03	19.11	18.94		
15	QPSK	36	0	18.94	19.13	18.93	20.5	0
15	QPSK	36	20	19.01	19.05	18.93		
15	QPSK	36	39	18.94	18.99	18.80		
15	QPSK	75	0	18.95	19.07	18.89		
15	16QAM	1	0	18.93	18.97	18.92	20.5	0
15	16QAM	1	37	18.74	18.87	18.64		
15	16QAM	1	74	18.75	18.83	18.71		
15	16QAM	36	0	18.90	18.95	18.97	20.5	0
15	16QAM	36	20	18.84	18.85	18.74		
15	16QAM	36	39	18.83	19.01	18.91		
15	16QAM	75	0	18.85	18.94	18.70		
15	64QAM	1	0	19.02	19.08	19.05	20.5	0
15	64QAM	1	37	19.06	19.13	19.01		
15	64QAM	1	74	18.97	19.13	18.95		
15	64QAM	36	0	18.89	18.97	18.84	20.5	0
15	64QAM	36	20	18.83	18.88	18.82		
15	64QAM	36	39	18.79	18.89	18.77		
15	64QAM	75	0	19.04	19.03	18.93		
15	256QAM	1	0	19.25	19.37	19.29	20.5	0
15	256QAM	1	37	19.28	19.34	19.21		
15	256QAM	1	74	19.33	19.33	19.28		
15	256QAM	36	0	19.37	19.46	19.29	20.5	0
15	256QAM	36	20	19.29	19.39	19.25		
15	256QAM	36	39	19.27	19.36	19.23		
15	256QAM	75	0	19.30	19.42	19.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.23	19.33	19.19	20.5	0
10	QPSK	1	25	19.09	19.14	19.03		
10	QPSK	1	49	19.02	19.13	18.98		
10	QPSK	25	0	18.91	19.13	18.94	20.5	0
10	QPSK	25	12	19.08	18.98	18.93		
10	QPSK	25	25	19.01	18.96	18.87		
10	QPSK	50	0	18.90	19.01	18.92		
10	16QAM	1	0	18.92	19.02	18.90	20.5	0
10	16QAM	1	25	18.81	18.87	18.63		
10	16QAM	1	49	18.76	18.89	18.69		
10	16QAM	25	0	18.90	18.94	18.86	20.5	0
10	16QAM	25	12	18.93	18.88	18.75		
10	16QAM	25	25	18.88	19.04	18.83		
10	16QAM	50	0	18.81	18.92	18.71		
10	64QAM	1	0	18.94	19.08	19.06	20.5	0
10	64QAM	1	25	19.01	19.16	19.06		
10	64QAM	1	49	18.94	19.08	18.92		
10	64QAM	25	0	18.93	18.98	18.81	20.5	0
10	64QAM	25	12	18.83	18.88	18.82		
10	64QAM	25	25	18.79	18.83	18.80		
10	64QAM	50	0	19.00	19.07	18.96		
10	256QAM	1	0	19.23	19.37	19.31	20.5	0
10	256QAM	1	25	19.23	19.36	19.17		
10	256QAM	1	49	19.31	19.37	19.19		
10	256QAM	25	0	19.35	19.47	19.30	20.5	0
10	256QAM	25	12	19.31	19.40	19.28		
10	256QAM	25	25	19.31	19.40	19.20		
10	256QAM	50	0	19.35	19.42	19.29		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.18	19.27	19.19	20.5	0
5	QPSK	1	12	19.00	19.11	19.04		
5	QPSK	1	24	18.96	19.08	18.98		
5	QPSK	12	0	19.02	19.14	18.90	20.5	0
5	QPSK	12	7	19.03	19.06	19.00		
5	QPSK	12	13	19.00	18.98	18.78		
5	QPSK	25	0	18.88	19.01	18.97		
5	16QAM	1	0	18.88	18.99	18.89	20.5	0
5	16QAM	1	12	18.75	18.92	18.67		
5	16QAM	1	24	18.74	18.90	18.77		
5	16QAM	12	0	18.79	19.04	18.94	20.5	0
5	16QAM	12	7	18.89	18.84	18.76		
5	16QAM	12	13	18.90	18.99	18.84		
5	16QAM	25	0	18.89	18.94	18.78		
5	64QAM	1	0	18.98	19.14	18.98	20.5	0
5	64QAM	1	12	19.06	19.12	19.09		
5	64QAM	1	24	19.02	19.17	18.93		
5	64QAM	12	0	18.93	18.97	18.83	20.5	0
5	64QAM	12	7	18.82	18.84	18.83		
5	64QAM	12	13	18.78	18.82	18.78		
5	64QAM	25	0	19.03	19.04	18.88		
5	256QAM	1	0	19.21	19.41	19.29	20.5	0
5	256QAM	1	12	19.30	19.36	19.26		
5	256QAM	1	24	19.29	19.30	19.25		
5	256QAM	12	0	19.40	19.49	19.29	20.5	0
5	256QAM	12	7	19.31	19.42	19.35		
5	256QAM	12	13	19.26	19.38	19.20		
5	256QAM	25	0	19.28	19.41	19.24		

Band 7 Ant4 DSI5 Other PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.39	19.52	19.22	20.5	0
20	QPSK	1	49	19.24	19.39	19.22		
20	QPSK	1	99	19.32	19.38	19.29		
20	QPSK	50	0	19.28	19.35	19.17	20.5	0
20	QPSK	50	24	19.26	19.28	19.00		
20	QPSK	50	50	19.15	19.26	18.94		
20	QPSK	100	0	19.29	19.40	19.06		
20	16QAM	1	0	19.32	19.28	19.10	20.5	0
20	16QAM	1	49	19.28	19.21	18.99		
20	16QAM	1	99	19.14	19.21	19.12		
20	16QAM	50	0	19.35	19.47	19.17	20.5	0
20	16QAM	50	24	19.24	19.39	18.99		
20	16QAM	50	50	19.15	19.12	19.00		
20	16QAM	100	0	19.26	19.39	19.06		
20	64QAM	1	0	19.34	19.36	19.00	20.5	0
20	64QAM	1	49	19.31	19.14	18.97		
20	64QAM	1	99	19.08	19.28	19.17		
20	64QAM	50	0	19.32	19.36	19.15	20.5	0
20	64QAM	50	24	19.24	19.34	18.97		
20	64QAM	50	50	19.23	19.27	19.03		
20	64QAM	100	0	19.25	19.35	19.10		
20	256QAM	1	0	19.31	19.43	19.09	20.5	0
20	256QAM	1	49	19.17	19.38	18.98		
20	256QAM	1	99	19.19	19.26	18.96		
20	256QAM	50	0	19.36	19.36	19.09	20.5	0
20	256QAM	50	24	19.26	19.31	19.10		
20	256QAM	50	50	19.22	19.24	19.02		
20	256QAM	100	0	19.18	19.24	19.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.32	19.49	19.18	20.5	0
15	QPSK	1	37	19.18	19.37	19.18		
15	QPSK	1	74	19.29	19.39	19.24		
15	QPSK	36	0	19.25	19.33	19.10	20.5	0
15	QPSK	36	20	19.23	19.30	18.93		
15	QPSK	36	39	19.14	19.28	18.86		
15	QPSK	75	0	19.24	19.36	19.07		
15	16QAM	1	0	19.35	19.31	19.02	20.5	0
15	16QAM	1	37	19.27	19.21	18.92		
15	16QAM	1	74	19.13	19.16	19.04		
15	16QAM	36	0	19.38	19.39	19.18	20.5	0
15	16QAM	36	20	19.24	19.31	19.00		
15	16QAM	36	39	19.10	19.12	18.99		
15	16QAM	75	0	19.24	19.33	19.08		
15	64QAM	1	0	19.33	19.38	18.96	20.5	0
15	64QAM	1	37	19.29	19.13	18.97		
15	64QAM	1	74	19.08	19.20	19.19		
15	64QAM	36	0	19.27	19.31	19.09	20.5	0
15	64QAM	36	20	19.18	19.33	18.96		
15	64QAM	36	39	19.15	19.27	19.04		
15	64QAM	75	0	19.25	19.29	19.03		
15	256QAM	1	0	19.28	19.42	19.06	20.5	0
15	256QAM	1	37	19.12	19.34	18.95		
15	256QAM	1	74	19.20	19.25	18.87		
15	256QAM	36	0	19.36	19.32	19.02	20.5	0
15	256QAM	36	20	19.19	19.26	19.07		
15	256QAM	36	39	19.16	19.25	18.99		
15	256QAM	75	0	19.11	19.25	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.37	19.48	19.21	20.5	0
10	QPSK	1	25	19.18	19.39	19.22		
10	QPSK	1	49	19.27	19.41	19.22		
10	QPSK	25	0	19.27	19.32	19.16	20.5	0
10	QPSK	25	12	19.25	19.20	18.93		
10	QPSK	25	25	19.10	19.28	18.90		
10	QPSK	50	0	19.27	19.41	19.01		
10	16QAM	1	0	19.30	19.30	19.05	20.5	0
10	16QAM	1	25	19.24	19.18	18.93		
10	16QAM	1	49	19.09	19.18	19.08		
10	16QAM	25	0	19.29	19.47	19.16	20.5	0
10	16QAM	25	12	19.25	19.41	18.90		
10	16QAM	25	25	19.08	19.14	18.96		
10	16QAM	50	0	19.22	19.35	18.99		
10	64QAM	1	0	19.25	19.37	18.99	20.5	0
10	64QAM	1	25	19.22	19.13	18.91		
10	64QAM	1	49	19.02	19.29	19.16		
10	64QAM	25	0	19.34	19.35	19.08	20.5	0
10	64QAM	25	12	19.22	19.29	18.93		
10	64QAM	25	25	19.22	19.20	18.95		
10	64QAM	50	0	19.18	19.34	19.02		
10	256QAM	1	0	19.34	19.35	19.02	20.5	0
10	256QAM	1	25	19.12	19.33	18.89		
10	256QAM	1	49	19.22	19.20	18.90		
10	256QAM	25	0	19.35	19.34	19.07	20.5	0
10	256QAM	25	12	19.17	19.23	19.06		
10	256QAM	25	25	19.15	19.15	19.04		
10	256QAM	50	0	19.10	19.25	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.35	19.48	19.18	20.5	0
5	QPSK	1	12	19.26	19.33	19.19		
5	QPSK	1	24	19.28	19.40	19.21		
5	QPSK	12	0	19.28	19.33	19.19	20.5	0
5	QPSK	12	7	19.23	19.22	19.01		
5	QPSK	12	13	19.09	19.26	18.89		
5	QPSK	25	0	19.22	19.41	19.07		
5	16QAM	1	0	19.29	19.25	19.10	20.5	0
5	16QAM	1	12	19.21	19.22	18.92		
5	16QAM	1	24	19.08	19.24	19.07		
5	16QAM	12	0	19.36	19.43	19.15	20.5	0
5	16QAM	12	7	19.22	19.40	18.97		
5	16QAM	12	13	19.09	19.13	19.00		
5	16QAM	25	0	19.22	19.32	19.07		
5	64QAM	1	0	19.34	19.29	19.00	20.5	0
5	64QAM	1	12	19.30	19.16	18.99		
5	64QAM	1	24	19.07	19.21	19.10		
5	64QAM	12	0	19.35	19.28	19.08	20.5	0
5	64QAM	12	7	19.16	19.29	18.91		
5	64QAM	12	13	19.21	19.19	18.98		
5	64QAM	25	0	19.28	19.34	19.01		
5	256QAM	1	0	19.30	19.43	19.01	20.5	0
5	256QAM	1	12	19.11	19.29	19.00		
5	256QAM	1	24	19.21	19.28	18.91		
5	256QAM	12	0	19.36	19.39	19.09	20.5	0
5	256QAM	12	7	19.23	19.23	19.03		
5	256QAM	12	13	19.17	19.20	19.04		
5	256QAM	25	0	19.09	19.18	19.06		

Band 38 Ant4 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.13	18.21	17.97	19.5	0
20	QPSK	1	49	18.00	18.06	17.95		
20	QPSK	1	99	17.98	18.01	17.77		
20	QPSK	50	0	17.99	18.14	17.80	19.5	0
20	QPSK	50	24	17.95	17.95	17.63		
20	QPSK	50	50	17.72	17.79	17.60		
20	QPSK	100	0	17.97	18.00	17.66		
20	16QAM	1	0	18.06	18.10	17.88	19.5	0
20	16QAM	1	49	17.93	18.05	17.82		
20	16QAM	1	99	17.98	18.03	17.79		
20	16QAM	50	0	18.08	18.13	17.90	19.5	0
20	16QAM	50	24	18.04	18.12	17.85		
20	16QAM	50	50	18.05	18.05	17.87		
20	16QAM	100	0	18.18	18.20	17.97		
20	64QAM	1	0	18.07	18.13	18.08	19.5	0
20	64QAM	1	49	18.03	18.16	18.11		
20	64QAM	1	99	18.04	18.17	18.00		
20	64QAM	50	0	18.13	18.19	17.89	19.5	0
20	64QAM	50	24	17.98	18.17	17.79		
20	64QAM	50	50	18.09	18.16	17.90		
20	64QAM	100	0	17.00	17.06	16.88		
20	256QAM	1	0	18.10	18.15	17.99	19.5	0
20	256QAM	1	49	18.04	18.11	17.90		
20	256QAM	1	99	18.07	18.19	17.88		
20	256QAM	50	0	18.03	18.18	17.83	19.5	0
20	256QAM	50	24	17.98	18.07	17.77		
20	256QAM	50	50	17.98	18.07	17.79		
20	256QAM	100	0	18.07	18.20	17.93		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.13	18.17	17.99	19.5	0
15	QPSK	1	37	17.93	18.09	17.91		
15	QPSK	1	74	17.92	18.01	17.74		
15	QPSK	36	0	17.94	18.16	17.76	19.5	0
15	QPSK	36	20	17.93	17.97	17.61		
15	QPSK	36	39	17.70	17.75	17.52		
15	QPSK	75	0	17.90	18.00	17.58		
15	16QAM	1	0	18.02	18.02	17.86	19.5	0
15	16QAM	1	37	17.85	18.07	17.83		
15	16QAM	1	74	17.89	18.03	17.80		
15	16QAM	36	0	18.07	18.08	17.85	19.5	0
15	16QAM	36	20	17.99	18.07	17.82		
15	16QAM	36	39	17.96	17.98	17.88		
15	16QAM	75	0	18.12	18.16	18.00		
15	64QAM	1	0	18.05	18.08	18.00	19.5	0
15	64QAM	1	37	17.98	18.09	18.04		
15	64QAM	1	74	18.03	18.10	18.01		
15	64QAM	36	0	18.14	18.16	17.81	19.5	0
15	64QAM	36	20	17.90	18.18	17.74		
15	64QAM	36	39	18.04	18.08	17.83		
15	64QAM	75	0	17.95	18.01	17.83		
15	256QAM	1	0	18.08	18.19	17.96	19.5	0
15	256QAM	1	37	17.97	18.00	17.89		
15	256QAM	1	74	18.06	18.11	17.89		
15	256QAM	36	0	18.06	18.19	17.86	19.5	0
15	256QAM	36	20	17.98	18.01	17.75		
15	256QAM	36	39	17.89	18.10	17.73		
15	256QAM	75	0	18.02	18.20	17.87		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.04	18.18	17.99	19.5	0
10	QPSK	1	25	17.96	18.00	17.87		
10	QPSK	1	49	17.95	18.03	17.75		
10	QPSK	25	0	17.97	18.08	17.72	19.5	0
10	QPSK	25	12	17.87	17.95	17.63		
10	QPSK	25	25	17.65	17.75	17.55		
10	QPSK	50	0	17.92	18.02	17.62		
10	16QAM	1	0	17.97	18.01	17.83	19.5	0
10	16QAM	1	25	17.85	18.03	17.83		
10	16QAM	1	49	17.97	18.02	17.74		
10	16QAM	25	0	17.99	18.05	17.83	19.5	0
10	16QAM	25	12	17.99	18.14	17.85		
10	16QAM	25	25	17.98	18.05	17.80		
10	16QAM	50	0	18.15	18.18	17.90		
10	64QAM	1	0	18.01	18.06	18.02	19.5	0
10	64QAM	1	25	17.98	18.10	18.10		
10	64QAM	1	49	18.06	18.19	18.01		
10	64QAM	25	0	18.12	18.18	17.89	19.5	0
10	64QAM	25	12	17.93	18.17	17.73		
10	64QAM	25	25	18.04	18.14	17.93		
10	64QAM	50	0	17.93	17.98	17.85		
10	256QAM	1	0	18.03	18.14	17.98	19.5	0
10	256QAM	1	25	18.00	18.12	17.89		
10	256QAM	1	49	17.99	18.16	17.90		
10	256QAM	25	0	18.05	18.16	17.78	19.5	0
10	256QAM	25	12	17.98	18.03	17.79		
10	256QAM	25	25	17.92	18.01	17.82		
10	256QAM	50	0	18.06	18.12	17.88		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.04	18.12	17.97	19.5	0
5	QPSK	1	12	18.03	18.08	17.89		
5	QPSK	1	24	17.98	17.92	17.72		
5	QPSK	12	0	17.95	18.15	17.81	19.5	0
5	QPSK	12	7	17.92	17.94	17.63		
5	QPSK	12	13	17.69	17.73	17.60		
5	QPSK	25	0	17.99	17.94	17.62		
5	16QAM	1	0	17.98	18.04	17.90	19.5	0
5	16QAM	1	12	17.86	18.08	17.73		
5	16QAM	1	24	17.99	17.96	17.81		
5	16QAM	12	0	18.04	18.15	17.87	19.5	0
5	16QAM	12	7	18.00	18.11	17.82		
5	16QAM	12	13	17.99	17.98	17.84		
5	16QAM	25	0	18.11	18.15	17.94		
5	64QAM	1	0	18.05	18.13	18.09	19.5	0
5	64QAM	1	12	17.97	18.08	18.03		
5	64QAM	1	24	18.02	18.12	17.91		
5	64QAM	12	0	18.12	18.14	17.86	19.5	0
5	64QAM	12	7	17.96	18.17	17.71		
5	64QAM	12	13	18.01	18.11	17.91		
5	64QAM	25	0	17.95	17.97	17.88		
5	256QAM	1	0	18.09	18.17	17.94	19.5	0
5	256QAM	1	12	18.04	18.15	17.91		
5	256QAM	1	24	18.07	18.14	17.83		
5	256QAM	12	0	18.04	18.16	17.82	19.5	0
5	256QAM	12	7	17.96	18.09	17.77		
5	256QAM	12	13	17.98	18.08	17.78		
5	256QAM	25	0	18.01	18.14	17.92		

Band 41 Ant4 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.29	18.26	18.65	18.39	17.69	19.5	0
20	QPSK	1	49	18.25	18.25	18.59	18.39	17.51		
20	QPSK	1	99	18.15	18.22	18.60	18.39	17.52		
20	QPSK	50	0	18.35	18.20	18.57	18.46	17.59	19.5	0
20	QPSK	50	24	18.23	18.21	18.55	18.32	17.55		
20	QPSK	50	50	18.18	18.20	18.51	18.39	17.55		
20	QPSK	100	0	18.21	18.23	18.54	18.33	17.57		
20	16QAM	1	0	18.27	18.19	18.61	18.36	17.62	19.5	0
20	16QAM	1	49	18.24	18.25	18.64	18.41	17.59		
20	16QAM	1	99	18.20	18.16	18.54	18.39	17.58		
20	16QAM	50	0	18.25	18.24	18.54	18.42	17.68	19.5	0
20	16QAM	50	24	18.24	18.29	18.56	18.43	17.56		
20	16QAM	50	50	18.13	18.19	18.60	18.32	17.58		
20	16QAM	100	0	18.11	18.28	18.59	18.37	17.55		
20	64QAM	1	0	18.33	18.17	18.60	18.44	17.66	19.5	0
20	64QAM	1	49	18.18	18.23	18.61	18.45	17.52		
20	64QAM	1	99	18.23	18.22	18.64	18.43	17.57		
20	64QAM	50	0	18.33	18.24	18.62	18.42	17.68	19.5	0
20	64QAM	50	24	18.25	18.24	18.63	18.38	17.51		
20	64QAM	50	50	18.23	18.14	18.54	18.46	17.52		
20	64QAM	100	0	18.21	18.29	18.61	18.40	17.59		
20	256QAM	1	0	18.36	18.33	18.53	18.48	17.61	19.5	0
20	256QAM	1	49	18.33	18.15	18.48	18.35	17.55		
20	256QAM	1	99	18.29	18.21	18.53	18.42	17.60		
20	256QAM	50	0	18.14	18.40	18.60	18.38	17.54	19.5	0
20	256QAM	50	24	18.19	18.12	18.43	18.42	17.60		
20	256QAM	50	50	18.30	18.35	18.51	18.47	17.64		
20	256QAM	100	0	18.23	18.14	18.50	18.48	17.63		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.28	18.19	18.60	18.35	17.72	19.5	0
15	QPSK	1	37	18.16	18.24	18.54	18.37	17.57		
15	QPSK	1	74	18.08	18.24	18.61	18.38	17.53		
15	QPSK	36	0	18.35	18.12	18.54	18.47	17.58	19.5	0
15	QPSK	36	20	18.26	18.20	18.58	18.29	17.50		
15	QPSK	36	39	18.21	18.18	18.51	18.42	17.55		
15	QPSK	75	0	18.19	18.21	18.48	18.32	17.59		
15	16QAM	1	0	18.20	18.14	18.57	18.37	17.60	19.5	0
15	16QAM	1	37	18.26	18.24	18.60	18.41	17.56		
15	16QAM	1	74	18.11	18.13	18.53	18.34	17.60		
15	16QAM	36	0	18.27	18.24	18.53	18.38	17.69	19.5	0
15	16QAM	36	20	18.25	18.29	18.53	18.41	17.57		
15	16QAM	36	39	18.15	18.16	18.59	18.31	17.50		
15	16QAM	75	0	18.10	18.25	18.52	18.37	17.52		
15	64QAM	1	0	18.27	18.16	18.54	18.44	17.62	19.5	0
15	64QAM	1	37	18.10	18.25	18.62	18.43	17.51		
15	64QAM	1	74	18.17	18.24	18.62	18.36	17.58		
15	64QAM	36	0	18.27	18.19	18.54	18.43	17.68	19.5	0
15	64QAM	36	20	18.27	18.20	18.61	18.31	17.53		
15	64QAM	36	39	18.15	18.12	18.48	18.43	17.52		
15	64QAM	75	0	18.16	18.26	18.60	18.32	17.53		
15	256QAM	1	0	18.29	18.31	18.60	18.42	17.59	19.5	0
15	256QAM	1	37	18.36	18.10	18.48	18.36	17.58		
15	256QAM	1	74	18.23	18.23	18.54	18.38	17.59		
15	256QAM	36	0	18.13	18.35	18.51	18.30	17.50	19.5	0
15	256QAM	36	20	18.12	18.07	18.36	18.36	17.60		
15	256QAM	36	39	18.24	18.32	18.46	18.43	17.56		
15	256QAM	75	0	18.15	18.09	18.47	18.41	17.63		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.24	18.25	18.60	18.31	17.65	20	0
10	QPSK	1	25	18.18	18.24	18.56	18.39	17.51		
10	QPSK	1	49	18.07	18.24	18.55	18.30	17.54		
10	QPSK	25	0	18.36	18.13	18.50	18.46	17.58	19.5	0
10	QPSK	25	12	18.17	18.16	18.55	18.29	17.53		
10	QPSK	25	25	18.16	18.14	18.53	18.34	17.58		
10	QPSK	50	0	18.17	18.20	18.52	18.28	17.53		
10	16QAM	1	0	18.21	18.20	18.54	18.28	17.64	19.5	0
10	16QAM	1	25	18.17	18.27	18.60	18.35	17.55		
10	16QAM	1	49	18.11	18.17	18.50	18.36	17.56		
10	16QAM	25	0	18.25	18.16	18.51	18.40	17.70	19.5	0
10	16QAM	25	12	18.21	18.26	18.49	18.35	17.57		
10	16QAM	25	25	18.14	18.13	18.59	18.27	17.50		
10	16QAM	50	0	18.12	18.20	18.55	18.39	17.59		
10	64QAM	1	0	18.28	18.09	18.63	18.36	17.58	19.5	0
10	64QAM	1	25	18.18	18.16	18.58	18.45	17.53		
10	64QAM	1	49	18.16	18.13	18.63	18.37	17.59		
10	64QAM	25	0	18.28	18.19	18.61	18.38	17.60	19.5	0
10	64QAM	25	12	18.17	18.20	18.58	18.37	17.51		
10	64QAM	25	25	18.25	18.11	18.45	18.41	17.57		
10	64QAM	50	0	18.15	18.29	18.57	18.32	17.62		
10	256QAM	1	0	18.29	18.27	18.55	18.45	17.56	19.5	0
10	256QAM	1	25	18.28	18.09	18.44	18.33	17.55		
10	256QAM	1	49	18.24	18.24	18.52	18.37	17.63		
10	256QAM	25	0	18.07	18.38	18.57	18.40	17.56	19.5	0
10	256QAM	25	12	18.11	18.06	18.42	18.44	17.57		
10	256QAM	25	25	18.24	18.31	18.50	18.39	17.57		
10	256QAM	50	0	18.16	18.09	18.43	18.41	17.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.30	18.26	18.56	18.37	17.63	20	0
5	QPSK	1	12	18.22	18.20	18.54	18.35	17.56		
5	QPSK	1	24	18.11	18.23	18.59	18.41	17.54		
5	QPSK	12	0	18.26	18.21	18.52	18.38	17.51	19.5	0
5	QPSK	12	7	18.16	18.13	18.57	18.24	17.51		
5	QPSK	12	13	18.15	18.18	18.43	18.39	17.54		
5	QPSK	25	0	18.23	18.16	18.54	18.30	17.53		
5	16QAM	1	0	18.29	18.21	18.58	18.29	17.62	19.5	0
5	16QAM	1	12	18.19	18.24	18.63	18.41	17.56		
5	16QAM	1	24	18.22	18.09	18.56	18.33	17.52		
5	16QAM	12	0	18.17	18.16	18.56	18.40	17.65	19.5	0
5	16QAM	12	7	18.16	18.27	18.54	18.42	17.58		
5	16QAM	12	13	18.11	18.18	18.58	18.25	17.58		
5	16QAM	25	0	18.03	18.30	18.58	18.35	17.53		
5	64QAM	1	0	18.35	18.13	18.56	18.36	17.68	19.5	0
5	64QAM	1	12	18.15	18.22	18.63	18.41	17.50		
5	64QAM	1	24	18.20	18.19	18.56	18.40	17.59		
5	64QAM	12	0	18.25	18.25	18.56	18.45	17.67	19.5	0
5	64QAM	12	7	18.25	18.20	18.58	18.37	17.64		
5	64QAM	12	13	18.14	18.15	18.57	18.49	17.52		
5	64QAM	25	0	18.17	18.28	18.59	18.33	17.62		
5	256QAM	1	0	18.34	18.31	18.54	18.49	17.55	19.5	0
5	256QAM	1	12	18.30	18.10	18.51	18.33	17.50		
5	256QAM	1	24	18.29	18.19	18.44	18.40	17.54		
5	256QAM	12	0	18.09	18.39	18.57	18.38	17.58	19.5	0
5	256QAM	12	7	18.12	18.12	18.38	18.37	17.51		
5	256QAM	12	13	18.30	18.31	18.47	18.43	17.64		
5	256QAM	25	0	18.15	18.12	18.48	18.42	17.57		

Band 7 Ant5 DSI5 Main PA-1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.67	18.85	18.75	20	0
20	QPSK	1	49	18.61	18.79	18.71		
20	QPSK	1	99	18.70	18.78	18.73		
20	QPSK	50	0	18.68	18.73	18.64	20	0
20	QPSK	50	24	18.70	18.66	18.68		
20	QPSK	50	50	18.51	18.59	18.65		
20	QPSK	100	0	18.50	18.57	18.50		
20	16QAM	1	0	18.64	18.67	18.55	20	0
20	16QAM	1	49	18.63	18.84	18.60		
20	16QAM	1	99	18.55	18.63	18.66		
20	16QAM	50	0	18.70	18.73	18.69	20	0
20	16QAM	50	24	18.66	18.68	18.60		
20	16QAM	50	50	18.57	18.63	18.66		
20	16QAM	100	0	18.73	18.70	18.63		
20	64QAM	1	0	18.62	18.61	18.63	20	0
20	64QAM	1	49	18.58	18.61	18.63		
20	64QAM	1	99	18.56	18.64	18.61		
20	64QAM	50	0	17.68	17.65	17.66	19	1
20	64QAM	50	24	17.58	17.67	17.66		
20	64QAM	50	50	17.58	17.64	17.60		
20	64QAM	100	0	17.53	17.61	17.53		
20	256QAM	1	0	15.62	15.70	15.70	17	3
20	256QAM	1	49	15.59	15.61	15.58		
20	256QAM	1	99	15.59	15.64	15.64		
20	256QAM	50	0	15.58	15.62	15.63	17	3
20	256QAM	50	24	15.65	15.68	15.71		
20	256QAM	50	50	15.58	15.56	15.50		
20	256QAM	100	0	15.67	15.73	15.69		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.82	18.76	18.65	20	0
15	QPSK	1	37	18.65	18.82	18.83		
15	QPSK	1	74	18.65	18.61	18.69		
15	QPSK	36	0	18.55	18.64	18.69	20	0
15	QPSK	36	20	18.52	18.55	18.70		
15	QPSK	36	39	18.53	18.62	18.51		
15	QPSK	75	0	18.53	18.67	18.61		
15	16QAM	1	0	18.82	18.80	18.84	20	0
15	16QAM	1	37	18.51	18.79	18.60		
15	16QAM	1	74	18.53	18.55	18.66		
15	16QAM	36	0	18.62	18.72	18.66	20	0
15	16QAM	36	20	18.60	18.71	18.60		
15	16QAM	36	39	18.58	18.64	18.59		
15	16QAM	75	0	18.65	18.69	18.54		
15	64QAM	1	0	18.60	18.56	18.59	20	0
15	64QAM	1	37	18.57	18.63	18.66		
15	64QAM	1	74	18.55	18.56	18.52		
15	64QAM	36	0	17.67	17.63	17.63	19	1
15	64QAM	36	20	17.52	17.67	17.57		
15	64QAM	36	39	17.58	17.65	17.56		
15	64QAM	75	0	17.53	17.53	17.52		
15	256QAM	1	0	15.56	15.73	15.63	17	3
15	256QAM	1	37	15.55	15.63	15.53		
15	256QAM	1	74	15.54	15.55	15.63		
15	256QAM	36	0	15.56	15.55	15.61	17	3
15	256QAM	36	20	15.56	15.69	15.68		
15	256QAM	36	39	15.54	15.58	15.50		
15	256QAM	75	0	15.60	15.73	15.63		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.62	18.68	18.76	20	0
10	QPSK	1	25	18.77	18.63	18.74		
10	QPSK	1	49	18.72	18.75	18.64		
10	QPSK	25	0	18.64	18.65	18.57	20	0
10	QPSK	25	12	18.54	18.81	18.58		
10	QPSK	25	25	18.58	18.60	18.59		
10	QPSK	50	0	18.71	18.63	18.51		
10	16QAM	1	0	18.72	18.80	18.74	20	0
10	16QAM	1	25	18.51	18.70	18.51		
10	16QAM	1	49	18.64	18.54	18.58		
10	16QAM	25	0	18.63	18.74	18.64	20	0
10	16QAM	25	12	18.63	18.64	18.54		
10	16QAM	25	25	18.51	18.58	18.65		
10	16QAM	50	0	18.65	18.68	18.56		
10	64QAM	1	0	18.62	18.57	18.63	20	0
10	64QAM	1	25	18.57	18.55	18.55		
10	64QAM	1	49	18.54	18.60	18.59		
10	64QAM	25	0	17.69	17.62	17.57	19	1
10	64QAM	25	12	17.54	17.59	17.64		
10	64QAM	25	25	17.61	17.57	17.57		
10	64QAM	50	0	17.50	17.57	17.55		
10	256QAM	1	0	15.55	15.71	15.69	17	3
10	256QAM	1	25	15.52	15.61	15.61		
10	256QAM	1	49	15.52	15.67	15.56		
10	256QAM	25	0	15.50	15.57	15.58	17	3
10	256QAM	25	12	15.60	15.65	15.69		
10	256QAM	25	25	15.59	15.54	15.57		
10	256QAM	50	0	15.60	15.74	15.61		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.64	18.73	18.70	20	0
5	QPSK	1	12	18.62	18.73	18.77		
5	QPSK	1	24	18.68	18.60	18.66		
5	QPSK	12	0	18.58	18.62	18.55	20	0
5	QPSK	12	7	18.65	18.51	18.52		
5	QPSK	12	13	18.60	18.59	18.70		
5	QPSK	25	0	18.60	18.75	18.60		
5	16QAM	1	0	18.69	18.53	18.76	20	0
5	16QAM	1	12	18.61	18.59	18.81		
5	16QAM	1	24	18.70	18.69	18.66		
5	16QAM	12	0	18.64	18.69	18.71	20	0
5	16QAM	12	7	18.67	18.61	18.58		
5	16QAM	12	13	18.51	18.65	18.69		
5	16QAM	25	0	18.68	18.62	18.55		
5	64QAM	1	0	18.60	18.62	18.56	20	0
5	64QAM	1	12	18.61	18.61	18.56		
5	64QAM	1	24	18.56	18.59	18.56		
5	64QAM	12	0	17.61	17.67	17.67	19	1
5	64QAM	12	7	17.56	17.68	17.62		
5	64QAM	12	13	17.61	17.58	17.58		
5	64QAM	25	0	17.52	17.62	17.52		
5	256QAM	1	0	15.55	15.65	15.69	17	3
5	256QAM	1	12	15.57	15.57	15.50		
5	256QAM	1	24	15.61	15.57	15.67		
5	256QAM	12	0	15.60	15.62	15.63	17	3
5	256QAM	12	7	15.60	15.59	15.73		
5	256QAM	12	13	15.57	15.57	15.51		
5	256QAM	25	0	15.64	15.65	15.68		

Band 7 Ant5 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.04	19.21	19.15	20.5	0
20	QPSK	1	49	19.14	19.16	19.12		
20	QPSK	1	99	19.07	19.08	19.15		
20	QPSK	50	0	18.90	19.12	19.02	20.5	0
20	QPSK	50	24	18.96	18.88	18.91		
20	QPSK	50	50	18.95	19.11	18.96		
20	QPSK	100	0	18.98	19.10	18.84		
20	16QAM	1	0	18.96	19.04	18.95	20.5	0
20	16QAM	1	49	18.98	18.85	18.98		
20	16QAM	1	99	18.95	18.89	19.02		
20	16QAM	50	0	18.98	19.03	19.09	20.5	0
20	16QAM	50	24	18.90	18.95	18.97		
20	16QAM	50	50	18.90	18.97	19.02		
20	16QAM	100	0	18.95	19.02	19.00		
20	64QAM	1	0	19.01	19.11	19.16	20.5	0
20	64QAM	1	49	18.96	19.07	19.05		
20	64QAM	1	99	18.92	19.04	19.08		
20	64QAM	50	0	17.89	17.96	17.91	19.5	1
20	64QAM	50	24	17.83	17.98	18.02		
20	64QAM	50	50	17.87	17.92	17.89		
20	64QAM	100	0	18.01	18.07	18.10		
20	256QAM	1	0	16.03	16.12	16.16	17.5	3
20	256QAM	1	49	16.04	16.11	16.09		
20	256QAM	1	99	16.02	16.13	16.12		
20	256QAM	50	0	15.98	16.10	16.16	17.5	3
20	256QAM	50	24	15.99	16.12	16.17		
20	256QAM	50	50	15.96	16.06	16.06		
20	256QAM	100	0	15.98	16.08	16.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.11	19.06	19.12	20.5	0
15	QPSK	1	37	19.07	19.15	19.13		
15	QPSK	1	74	19.17	19.18	19.12		
15	QPSK	36	0	19.02	19.02	19.00	20.5	0
15	QPSK	36	20	18.89	18.94	18.83		
15	QPSK	36	39	18.94	18.99	18.80		
15	QPSK	75	0	19.00	18.86	18.95		
15	16QAM	1	0	19.02	18.95	18.98	20.5	0
15	16QAM	1	37	18.77	18.98	18.92		
15	16QAM	1	74	18.88	18.97	18.95		
15	16QAM	36	0	18.94	18.97	19.09	20.5	0
15	16QAM	36	20	18.85	18.91	18.89		
15	16QAM	36	39	18.91	18.90	18.94		
15	16QAM	75	0	18.90	19.04	18.94		
15	64QAM	1	0	18.95	19.02	19.11	20.5	0
15	64QAM	1	37	18.95	19.03	19.07		
15	64QAM	1	74	18.92	18.96	19.03		
15	64QAM	36	0	17.81	17.98	17.91	19.5	1
15	64QAM	36	20	17.76	17.94	18.03		
15	64QAM	36	39	17.87	17.85	17.90		
15	64QAM	75	0	18.00	18.05	18.05		
15	256QAM	1	0	15.99	16.03	16.18	17.5	3
15	256QAM	1	37	15.98	16.09	16.02		
15	256QAM	1	74	15.96	16.06	16.07		
15	256QAM	36	0	15.94	16.04	16.11	17.5	3
15	256QAM	36	20	15.93	16.07	16.08		
15	256QAM	36	39	15.90	16.01	16.03		
15	256QAM	75	0	15.90	16.10	16.10		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.03	19.17	19.15	20.5	0
10	QPSK	1	25	19.00	19.17	19.13		
10	QPSK	1	49	18.99	18.98	19.13		
10	QPSK	25	0	19.00	18.94	19.11	20.5	0
10	QPSK	25	12	18.97	18.94	18.89		
10	QPSK	25	25	18.84	19.03	18.94		
10	QPSK	50	0	18.97	18.99	18.88		
10	16QAM	1	0	19.01	18.82	18.87	20.5	0
10	16QAM	1	25	18.95	18.92	18.99		
10	16QAM	1	49	19.04	19.00	18.86		
10	16QAM	25	0	19.00	18.96	19.07	20.5	0
10	16QAM	25	12	18.82	18.96	18.95		
10	16QAM	25	25	18.82	18.93	19.04		
10	16QAM	50	0	18.87	19.04	18.96		
10	64QAM	1	0	18.92	19.14	19.11	20.5	0
10	64QAM	1	25	18.97	19.00	19.05		
10	64QAM	1	49	18.94	19.06	19.02		
10	64QAM	25	0	17.83	17.99	17.84	19.5	1
10	64QAM	25	12	17.86	17.99	18.02		
10	64QAM	25	25	17.83	17.86	17.86		
10	64QAM	50	0	17.98	18.07	18.13		
10	256QAM	1	0	16.03	16.08	16.15	17.5	3
10	256QAM	1	25	16.06	16.04	16.08		
10	256QAM	1	49	15.96	16.06	16.09		
10	256QAM	25	0	15.89	16.09	16.08	17.5	3
10	256QAM	25	12	15.93	16.13	16.13		
10	256QAM	25	25	15.90	16.02	16.09		
10	256QAM	50	0	15.96	16.04	16.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.17	19.17	19.12	20.5	0
5	QPSK	1	12	19.11	19.03	19.17		
5	QPSK	1	24	19.09	19.09	19.01		
5	QPSK	12	0	19.08	18.96	19.06	20.5	0
5	QPSK	12	7	18.86	18.97	18.91		
5	QPSK	12	13	18.86	18.90	18.91		
5	QPSK	25	0	18.83	19.09	18.98		
5	16QAM	1	0	19.01	18.95	18.82	20.5	0
5	16QAM	1	12	18.89	19.02	18.98		
5	16QAM	1	24	18.96	19.05	18.94		
5	16QAM	12	0	18.93	18.96	19.08	20.5	0
5	16QAM	12	7	18.83	18.88	18.90		
5	16QAM	12	13	18.88	18.92	18.97		
5	16QAM	25	0	18.96	18.95	18.91		
5	64QAM	1	0	18.95	19.04	19.12	20.5	0
5	64QAM	1	12	18.91	18.99	19.04		
5	64QAM	1	24	18.93	18.99	19.01		
5	64QAM	12	0	17.86	17.93	17.87	19.5	1
5	64QAM	12	7	17.76	17.90	18.02		
5	64QAM	12	13	17.87	17.93	17.85		
5	64QAM	25	0	18.01	17.99	18.12		
5	256QAM	1	0	16.02	16.10	16.09	17.5	3
5	256QAM	1	12	15.98	16.06	16.07		
5	256QAM	1	24	16.01	16.14	16.11		
5	256QAM	12	0	15.97	16.09	16.16	17.5	3
5	256QAM	12	7	15.93	16.12	16.16		
5	256QAM	12	13	15.99	16.08	16.04		
5	256QAM	25	0	15.91	16.03	16.13		

Band 38 Ant5 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.69	19.77	19.65	21	0
20	QPSK	1	49	19.56	19.51	19.66		
20	QPSK	1	99	19.46	19.38	19.62		
20	QPSK	50	0	19.25	19.73	19.23	21	0
20	QPSK	50	24	19.68	19.66	19.61		
20	QPSK	50	50	19.55	19.60	19.72		
20	QPSK	100	0	19.57	19.62	19.60		
20	16QAM	1	0	19.69	19.59	19.69	21	0
20	16QAM	1	49	19.55	19.70	19.62		
20	16QAM	1	99	19.56	19.61	19.75		
20	16QAM	50	0	19.70	19.68	19.67	20.5	0.5
20	16QAM	50	24	19.71	19.67	19.75		
20	16QAM	50	50	19.73	19.68	19.74		
20	16QAM	100	0	19.71	19.67	19.75		
20	64QAM	1	0	19.73	19.75	19.70	20.5	0.5
20	64QAM	1	49	19.70	19.68	19.76		
20	64QAM	1	99	19.76	19.71	19.72		
20	64QAM	50	0	18.96	18.93	19.10	19.5	1.5
20	64QAM	50	24	19.01	18.94	19.12		
20	64QAM	50	50	18.98	18.93	19.03		
20	64QAM	100	0	19.04	18.96	19.04		
20	256QAM	1	0	16.95	16.92	17.05	17.5	3.5
20	256QAM	1	49	17.00	16.94	17.09		
20	256QAM	1	99	17.03	16.93	17.04		
20	256QAM	50	0	16.97	16.95	17.03	17.5	3.5
20	256QAM	50	24	17.03	16.97	17.10		
20	256QAM	50	50	16.94	16.92	17.05		
20	256QAM	100	0	16.98	16.90	17.05		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.59	19.57	19.54	21	0
15	QPSK	1	37	19.56	19.70	19.62		
15	QPSK	1	74	19.59	19.39	19.57		
15	QPSK	36	0	19.33	19.71	19.24	21	0
15	QPSK	36	20	19.71	19.51	19.65		
15	QPSK	36	39	19.62	19.47	19.60		
15	QPSK	75	0	19.63	19.69	19.58		
15	16QAM	1	0	19.64	19.74	19.74	21	0
15	16QAM	1	37	19.61	19.70	19.68		
15	16QAM	1	74	19.60	19.56	19.73		
15	16QAM	36	0	19.48	19.57	19.55	20.5	0.5
15	16QAM	36	20	19.57	19.56	19.50		
15	16QAM	36	39	19.55	19.64	19.57		
15	16QAM	75	0	19.57	19.59	19.51		
15	64QAM	1	0	19.64	19.72	19.71	20.5	0.5
15	64QAM	1	37	19.54	19.64	19.63		
15	64QAM	1	74	19.55	19.59	19.50		
15	64QAM	36	0	18.57	18.62	18.62	19.5	1.5
15	64QAM	36	20	18.63	18.57	18.54		
15	64QAM	36	39	18.56	18.57	18.54		
15	64QAM	75	0	18.63	18.68	18.47		
15	256QAM	1	0	16.57	16.57	16.47	17.5	3.5
15	256QAM	1	37	16.62	16.67	16.53		
15	256QAM	1	74	16.66	16.56	16.51		
15	256QAM	36	0	16.49	16.59	16.48	17.5	3.5
15	256QAM	36	20	16.58	16.59	16.62		
15	256QAM	36	39	16.50	16.65	16.47		
15	256QAM	75	0	16.50	16.60	16.54		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.71	19.59	19.55	21	0
10	QPSK	1	25	19.70	19.68	19.65		
10	QPSK	1	49	19.45	19.40	19.67		
10	QPSK	25	0	19.42	19.59	19.37	21	0
10	QPSK	25	12	19.68	19.56	19.61		
10	QPSK	25	25	19.60	19.66	19.69		
10	QPSK	50	0	19.70	19.51	19.65		
10	16QAM	1	0	19.68	19.71	19.69	21	0
10	16QAM	1	25	19.63	19.70	19.70		
10	16QAM	1	49	19.64	19.60	19.71		
10	16QAM	25	0	19.55	19.65	19.45	20.5	0.5
10	16QAM	25	12	19.59	19.65	19.47		
10	16QAM	25	25	19.61	19.59	19.56		
10	16QAM	50	0	19.57	19.58	19.42		
10	64QAM	1	0	19.70	19.70	19.63	20.5	0.5
10	64QAM	1	25	19.60	19.61	19.59		
10	64QAM	1	49	19.61	19.65	19.57		
10	64QAM	25	0	18.52	18.60	18.54	19.5	1.5
10	64QAM	25	12	18.53	18.61	18.54		
10	64QAM	25	25	18.55	18.56	18.51		
10	64QAM	50	0	18.66	18.63	18.56		
10	256QAM	1	0	16.48	16.60	16.54	17.5	3.5
10	256QAM	1	25	16.57	16.58	16.60		
10	256QAM	1	49	16.58	16.58	16.54		
10	256QAM	25	0	16.59	16.63	16.50	17.5	3.5
10	256QAM	25	12	16.56	16.63	16.61		
10	256QAM	25	25	16.53	16.63	16.49		
10	256QAM	50	0	16.50	16.60	16.50		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.70	19.74	19.60	21	0
5	QPSK	1	12	19.62	19.69	19.63		
5	QPSK	1	24	19.63	19.41	19.57		
5	QPSK	12	0	19.30	19.61	19.32	21	0
5	QPSK	12	7	19.61	19.69	19.62		
5	QPSK	12	13	19.69	19.68	19.64		
5	QPSK	25	0	19.73	19.70	19.72		
5	16QAM	1	0	19.63	19.66	19.62	21	0
5	16QAM	1	12	19.65	19.59	19.76		
5	16QAM	1	24	19.61	19.57	19.69		
5	16QAM	12	0	19.52	19.61	19.52	20.5	0.5
5	16QAM	12	7	19.48	19.59	19.47		
5	16QAM	12	13	19.55	19.60	19.58		
5	16QAM	25	0	19.49	19.54	19.47		
5	64QAM	1	0	19.67	19.66	19.61	20.5	0.5
5	64QAM	1	12	19.62	19.54	19.56		
5	64QAM	1	24	19.56	19.61	19.53		
5	64QAM	12	0	18.47	18.62	18.54	19.5	1.5
5	64QAM	12	7	18.60	18.63	18.54		
5	64QAM	12	13	18.58	18.66	18.50		
5	64QAM	25	0	18.56	18.67	18.49		
5	256QAM	1	0	16.51	16.62	16.55	17.5	3.5
5	256QAM	1	12	16.62	16.55	16.56		
5	256QAM	1	24	16.58	16.57	16.49		
5	256QAM	12	0	16.57	16.60	16.52	17.5	3.5
5	256QAM	12	7	16.62	16.62	16.57		
5	256QAM	12	13	16.49	16.57	16.52		
5	256QAM	25	0	16.61	16.55	16.56		

Band 41 Ant5 DSI5 Other PA

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.66	19.77	19.78	19.75	19.63	21	0
20	QPSK	1	49	19.72	19.64	19.68	19.70	19.72		
20	QPSK	1	99	19.65	19.70	19.76	19.65	19.66		
20	QPSK	50	0	19.45	19.53	19.77	19.69	19.68	21	0
20	QPSK	50	24	19.39	19.61	19.59	19.67	19.61		
20	QPSK	50	50	19.54	19.41	19.57	19.64	19.47		
20	QPSK	100	0	19.51	19.41	19.78	19.73	19.73		
20	16QAM	1	0	19.61	19.59	19.70	19.76	19.63	21	0
20	16QAM	1	49	19.48	19.51	19.76	19.64	19.59		
20	16QAM	1	99	19.47	19.58	19.57	19.56	19.59		
20	16QAM	50	0	19.14	19.14	19.37	19.34	19.33	20.5	0.5
20	16QAM	50	24	19.15	19.15	19.37	19.36	19.41		
20	16QAM	50	50	19.32	19.16	19.25	19.31	19.24		
20	16QAM	100	0	19.16	19.24	19.31	19.35	19.34		
20	64QAM	1	0	19.24	19.28	19.29	19.38	19.42	20.5	0.5
20	64QAM	1	49	19.24	19.22	19.36	19.39	19.31		
20	64QAM	1	99	19.25	19.16	19.30	19.32	19.18		
20	64QAM	50	0	18.15	18.16	18.41	18.31	18.38	19.5	1.5
20	64QAM	50	24	18.16	18.15	18.28	18.26	18.43		
20	64QAM	50	50	18.31	18.20	18.25	18.38	18.24		
20	64QAM	100	0	18.15	18.15	18.31	18.39	18.28		
20	256QAM	1	0	16.19	16.19	16.37	16.34	16.42	17.5	3.5
20	256QAM	1	49	16.15	16.14	16.38	16.34	16.35		
20	256QAM	1	99	16.27	16.12	16.27	16.31	16.22		
20	256QAM	50	0	16.09	16.13	16.37	16.43	16.30	17.5	3.5
20	256QAM	50	24	16.20	16.24	16.38	16.35	16.37		
20	256QAM	50	50	16.30	16.15	16.33	16.32	16.31		
20	256QAM	100	0	16.24	16.10	16.27	16.33	16.18		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.69	19.62	19.69	19.64	19.70	21	0
15	QPSK	1	37	19.62	19.61	19.74	19.53	19.62		
15	QPSK	1	74	19.57	19.59	19.76	19.66	19.54		
15	QPSK	36	0	19.45	19.28	19.49	19.61	19.59	21	0
15	QPSK	36	20	19.35	19.33	19.60	19.54	19.71		
15	QPSK	36	39	19.39	19.40	19.50	19.51	19.37		
15	QPSK	75	0	19.30	19.47	19.64	19.43	19.49		
15	16QAM	1	0	19.44	19.36	19.63	19.54	19.53	21	0
15	16QAM	1	37	19.54	19.42	19.52	19.59	19.61		
15	16QAM	1	74	19.47	19.26	19.46	19.44	19.40		
15	16QAM	36	0	19.16	19.17	19.33	19.36	19.35	20.5	0.5
15	16QAM	36	20	19.17	19.14	19.33	19.34	19.42		
15	16QAM	36	39	19.31	19.10	19.17	19.28	19.21		
15	16QAM	75	0	19.18	19.22	19.25	19.27	19.33		
15	64QAM	1	0	19.17	19.19	19.21	19.40	19.38	20.5	0.5
15	64QAM	1	37	19.26	19.21	19.29	19.35	19.24		
15	64QAM	1	74	19.23	19.10	19.26	19.27	19.13		
15	64QAM	36	0	18.15	18.19	18.36	18.30	18.30	19.5	1.5
15	64QAM	36	20	18.10	18.10	18.22	18.21	18.36		
15	64QAM	36	39	18.32	18.11	18.22	18.31	18.22		
15	64QAM	75	0	18.16	18.13	18.30	18.32	18.25		
15	256QAM	1	0	16.12	16.13	16.28	16.25	16.37	17.5	3.5
15	256QAM	1	37	16.16	16.06	16.34	16.34	16.37		
15	256QAM	1	74	16.26	16.09	16.23	16.22	16.17		
15	256QAM	36	0	16.06	16.16	16.31	16.40	16.30	17.5	3.5
15	256QAM	36	20	16.18	16.25	16.29	16.31	16.29		
15	256QAM	36	39	16.31	16.11	16.34	16.34	16.32		
15	256QAM	75	0	16.27	16.04	16.21	16.35	16.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.61	19.67	19.74	19.72	19.75	21	0
10	QPSK	1	25	19.68	19.70	19.72	19.67	19.71		
10	QPSK	1	49	19.63	19.60	19.72	19.75	19.58		
10	QPSK	25	0	19.46	19.28	19.55	19.44	19.65	21	0
10	QPSK	25	12	19.44	19.41	19.49	19.51	19.68		
10	QPSK	25	25	19.59	19.30	19.50	19.61	19.56		
10	QPSK	50	0	19.29	19.38	19.64	19.52	19.56		
10	16QAM	1	0	19.51	19.36	19.49	19.57	19.63	21	0
10	16QAM	1	25	19.33	19.41	19.55	19.62	19.40		
10	16QAM	1	49	19.48	19.28	19.35	19.42	19.31		
10	16QAM	25	0	19.08	19.06	19.29	19.27	19.24	20.5	0.5
10	16QAM	25	12	19.11	19.15	19.38	19.33	19.34		
10	16QAM	25	25	19.35	19.15	19.23	19.25	19.19		
10	16QAM	50	0	19.12	19.20	19.23	19.29	19.35		
10	64QAM	1	0	19.22	19.25	19.23	19.40	19.37	20.5	0.5
10	64QAM	1	25	19.25	19.17	19.38	19.35	19.24		
10	64QAM	1	49	19.26	19.08	19.33	19.29	19.20		
10	64QAM	25	0	18.10	18.12	18.42	18.29	18.40	19.5	1.5
10	64QAM	25	12	18.16	18.17	18.28	18.22	18.35		
10	64QAM	25	25	18.32	18.17	18.28	18.41	18.25		
10	64QAM	50	0	18.14	18.16	18.29	18.39	18.27		
10	256QAM	1	0	16.19	16.18	16.29	16.34	16.33	17.5	3.5
10	256QAM	1	25	16.10	16.12	16.31	16.30	16.37		
10	256QAM	1	49	16.27	16.06	16.19	16.30	16.21		
10	256QAM	25	0	16.12	16.11	16.34	16.38	16.25	17.5	3.5
10	256QAM	25	12	16.13	16.22	16.32	16.36	16.29		
10	256QAM	25	25	16.30	16.09	16.35	16.25	16.22		
10	256QAM	50	0	16.17	16.10	16.21	16.29	16.14		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.73	19.61	19.76	19.68	19.77	21	0
5	QPSK	1	12	19.72	19.69	19.70	19.71	19.72		
5	QPSK	1	24	19.56	19.55	19.65	19.75	19.56		
5	QPSK	12	0	19.31	19.48	19.53	19.47	19.68	21	0
5	QPSK	12	7	19.37	19.29	19.46	19.60	19.67		
5	QPSK	12	13	19.45	19.29	19.40	19.60	19.35		
5	QPSK	25	0	19.35	19.37	19.48	19.49	19.51		
5	16QAM	1	0	19.51	19.36	19.51	19.66	19.64	21	0
5	16QAM	1	12	19.52	19.45	19.62	19.65	19.56		
5	16QAM	1	24	19.30	19.44	19.40	19.53	19.32		
5	16QAM	12	0	19.14	19.13	19.35	19.35	19.29	20.5	0.5
5	16QAM	12	7	19.06	19.16	19.29	19.31	19.41		
5	16QAM	12	13	19.30	19.18	19.22	19.27	19.26		
5	16QAM	25	0	19.19	19.24	19.33	19.35	19.34		
5	64QAM	1	0	19.25	19.23	19.26	19.33	19.44	20.5	0.5
5	64QAM	1	12	19.21	19.21	19.36	19.36	19.31		
5	64QAM	1	24	19.25	19.15	19.29	19.23	19.12		
5	64QAM	12	0	18.15	18.11	18.41	18.33	18.36	19.5	1.5
5	64QAM	12	7	18.16	18.16	18.27	18.20	18.40		
5	64QAM	12	13	18.34	18.15	18.22	18.34	18.17		
5	64QAM	25	0	18.17	18.11	18.25	18.34	18.25		
5	256QAM	1	0	16.15	16.18	16.33	16.33	16.43	17.5	3.5
5	256QAM	1	12	16.13	16.14	16.40	16.28	16.29		
5	256QAM	1	24	16.23	16.12	16.22	16.24	16.16		
5	256QAM	12	0	16.11	16.06	16.31	16.37	16.21	17.5	3.5
5	256QAM	12	7	16.18	16.19	16.31	16.32	16.30		
5	256QAM	12	13	16.21	16.16	16.27	16.26	16.33		
5	256QAM	25	0	16.15	16.09	16.19	16.29	16.15		

UL CA power

Ant 2 Full Power

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.19	24.00
21100	21298	QPSK	1	99	1	0	23.38	24.00
21350	21152	QPSK	1	0	1	99	23.21	24.00

Ant 2 Full Power

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.45	24.50
37901	38099	QPSK	1	99	1	0	23.49	24.50
38150	37952	QPSK	1	0	1	99	23.23	24.50

Ant 3 Full Power

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.61	23.50
21100	21298	QPSK	1	99	1	0	21.65	23.50
21350	21152	QPSK	1	0	1	99	21.54	23.50

Ant 3 Full Power

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.95	23.50
37901	38099	QPSK	1	99	1	0	22.07	23.50
38150	37952	QPSK	1	0	1	99	21.85	23.50

Ant 4 Full Power

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.25	24.00
21100	21298	QPSK	1	99	1	0	22.39	24.00
21350	21152	QPSK	1	0	1	99	22.31	24.00

Ant 4 Full Power

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.39	24.00
37901	38099	QPSK	1	99	1	0	22.53	24.00
38150	37952	QPSK	1	0	1	99	22.35	24.00

Ant 5 Full Power

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.51	21.00
21100	21298	QPSK	1	99	1	0	19.69	21.00
21350	21152	QPSK	1	0	1	99	19.54	21.00

Ant 5 Full Power

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.67	21.00
37901	38099	QPSK	1	99	1	0	19.98	21.00
38150	37952	QPSK	1	0	1	99	19.55	21.00

Ant 2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.12	16.00
21100	21298	QPSK	1	99	1	0	15.40	16.00
21350	21152	QPSK	1	0	1	99	15.24	16.00

Ant 2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.48	18.50
37901	38099	QPSK	1	99	1	0	17.52	18.50
38150	37952	QPSK	1	0	1	99	17.22	18.50

Ant 3

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.61	23.50
21100	21298	QPSK	1	99	1	0	21.65	23.50
21350	21152	QPSK	1	0	1	99	21.54	23.50

Ant 3

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.95	23.50
37901	38099	QPSK	1	99	1	0	22.07	23.50
38150	37952	QPSK	1	0	1	99	21.85	23.50

Ant 4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.24	19.00
21100	21298	QPSK	1	99	1	0	17.31	19.00
21350	21152	QPSK	1	0	1	99	17.30	19.00

Ant 4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.34	18.00
37901	38099	QPSK	1	99	1	0	16.47	18.00
38150	37952	QPSK	1	0	1	99	16.30	18.00

Ant 5

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.51	21.00
21100	21298	QPSK	1	99	1	0	19.69	21.00
21350	21152	QPSK	1	0	1	99	19.54	21.00

Ant 5

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.67	21.00
37901	38099	QPSK	1	99	1	0	19.98	21.00
38150	37952	QPSK	1	0	1	99	19.55	21.00

Ant 2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.19	24.00
21100	21298	QPSK	1	99	1	0	23.38	24.00
21350	21152	QPSK	1	0	1	99	23.21	24.00

Ant 2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.45	24.50
37901	38099	QPSK	1	99	1	0	23.49	24.50
38150	37952	QPSK	1	0	1	99	23.23	24.50

Ant 3

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.61	23.50
21100	21298	QPSK	1	99	1	0	21.65	23.50
21350	21152	QPSK	1	0	1	99	21.54	23.50

Ant 3

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.95	23.50
37901	38099	QPSK	1	99	1	0	22.07	23.50
38150	37952	QPSK	1	0	1	99	21.85	23.50

Ant 4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.31	20.00
21100	21298	QPSK	1	99	1	0	18.44	20.00
21350	21152	QPSK	1	0	1	99	18.36	20.00

Ant 4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.34	20.00
37901	38099	QPSK	1	99	1	0	18.46	20.00
38150	37952	QPSK	1	0	1	99	18.31	20.00

Ant 5

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.48	19.00
21100	21298	QPSK	1	99	1	0	17.66	19.00
21350	21152	QPSK	1	0	1	99	17.50	19.00

Ant 5

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.06	19.50
37901	38099	QPSK	1	99	1	0	18.33	19.50
38150	37952	QPSK	1	0	1	99	18.01	19.50

Ant 2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.22	20.00
21100	21298	QPSK	1	99	1	0	19.33	20.00
21350	21152	QPSK	1	0	1	99	19.25	20.00

Ant 2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.44	22.50
37901	38099	QPSK	1	99	1	0	21.54	22.50
38150	37952	QPSK	1	0	1	99	21.26	22.50

Ant 3

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.56	19.50
21100	21298	QPSK	1	99	1	0	17.65	19.50
21350	21152	QPSK	1	0	1	99	17.55	19.50

Ant 3

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.48	19.00
37901	38099	QPSK	1	99	1	0	17.61	19.00
38150	37952	QPSK	1	0	1	99	17.40	19.00

Ant 4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.25	24.00
21100	21298	QPSK	1	99	1	0	22.39	24.00
21350	21152	QPSK	1	0	1	99	22.31	24.00

Ant 4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.39	24.00
37901	38099	QPSK	1	99	1	0	22.53	24.00
38150	37952	QPSK	1	0	1	99	22.35	24.00

Ant 5

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.51	21.00
21100	21298	QPSK	1	99	1	0	19.69	21.00
21350	21152	QPSK	1	0	1	99	19.54	21.00

Ant 5

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.67	21.00
37901	38099	QPSK	1	99	1	0	19.98	21.00
38150	37952	QPSK	1	0	1	99	19.55	21.00

Ant 2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.12	16.00
21100	21298	QPSK	1	99	1	0	15.40	16.00
21350	21152	QPSK	1	0	1	99	15.24	16.00

Ant 2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.48	18.50
37901	38099	QPSK	1	99	1	0	17.52	18.50
38150	37952	QPSK	1	0	1	99	17.22	18.50

Ant 3

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.56	19.50
21100	21298	QPSK	1	99	1	0	17.65	19.50
21350	21152	QPSK	1	0	1	99	17.55	19.50

Ant 3

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.48	19.00
37901	38099	QPSK	1	99	1	0	17.61	19.00
38150	37952	QPSK	1	0	1	99	17.40	19.00

Ant 4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.24	19.00
21100	21298	QPSK	1	99	1	0	17.31	19.00
21350	21152	QPSK	1	0	1	99	17.30	19.00

Ant 4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.34	18.00
37901	38099	QPSK	1	99	1	0	16.47	18.00
38150	37952	QPSK	1	0	1	99	16.30	18.00

Ant 5

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.48	19.00
21100	21298	QPSK	1	99	1	0	17.66	19.00
21350	21152	QPSK	1	0	1	99	17.50	19.00

Ant 5

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.06	19.50
37901	38099	QPSK	1	99	1	0	18.33	19.50
38150	37952	QPSK	1	0	1	99	18.01	19.50

Downlink CA Power

2CA DL

CA List	PCC									SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-2A	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		23.81	23.87
	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		23.36	23.45
CA_2A-4A	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	23.75	23.87
	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	23.41	23.45
CA_4A-5A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.25	24.32
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.27	23.38
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.14	23.28
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		21.00	21.07
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	24.17	24.22
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	23.99	24.08
CA_4A-7A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.21	24.32
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.24	23.38
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.24	23.28
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	20.96	21.07
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.47	24.56
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.49	23.63
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.59	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	20.53	20.65
CA_7A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.44	24.56
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.50	23.63
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.49	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	20.54	20.65
	Band 66	Ant2	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	24.32	24.38
	Band 66	Ant3	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.28	23.41
	Band 66	Ant4	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	23.22	23.29
	Band 66	Ant5	20M	1745	132322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	21.05	21.14
CA_38C	Band 38	Ant2	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.91	24.04
	Band 38	Ant3	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.42	23.45
	Band 38	Ant4	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.15	23.30
	Band 38	Ant5	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	20.27	20.31
CA_41A-41A	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.95	24.05
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.42	23.48
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	23.18	23.30
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	20.37	20.40
CA_41C	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.91	24.05
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.43	23.48
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	23.22	23.30
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	20.26	20.40
CA_66B	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.26	24.38
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.32	23.41
	Band 66	Ant4	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.17	23.29
	Band 66	Ant5	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.09	21.14
CA_66C	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	24.34	24.38
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	23.30	23.41
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	23.16	23.29
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	21.07	21.14

3CA DL

3CA List	PCC									SCC1					SCC2					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-7A-7A	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.68	23.87
	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.33	23.45
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		23.43	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		20.46	20.65
CA_2A-7C	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.75	23.87
	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.25	23.45
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		23.53	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		20.52	20.65
CA_4A-7C	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.15	24.32
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.27	23.38
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.10	23.28
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	20.90	21.07
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.46	24.56
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.54	23.63
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.52	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	20.48	20.65
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.04	24.22
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.95	24.08
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		24.40	24.56
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.50	23.63
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.43	23.63
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		20.51	20.65
CA_41D	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.87	24.05
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.29	23.48
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.12	23.30
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	20.31	20.40