



Full&Default Power

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.76	32.86	32.81	33.60	23.76	23.86	23.81	24.50
GPRS 1 Tx slot	32.82	32.89	32.84	33.50	23.82	23.89	23.84	24.50
GPRS 2 Tx slots	30.05	29.94	29.91	31.00	24.05	23.94	23.91	25.00
GPRS 3 Tx slots	28.02	27.90	27.88	29.00	23.76	23.64	23.62	24.74
GPRS 4 Tx slots	26.91	26.92	26.82	28.00	23.91	23.92	23.82	25.00
EDGE(GMSK) 1 Tx slot	32.78	32.82	32.76	33.50	23.78	23.82	23.76	24.50
EDGE(GMSK) 2 Tx slots	29.88	29.92	29.86	31.00	23.88	23.92	23.86	25.00
EDGE(GMSK) 3 Tx slots	27.67	27.80	27.70	28.00	23.41	23.54	23.44	24.74
EDGE(GMSK) 4 Tx slots	26.75	26.82	26.78	28.00	23.75	23.82	23.78	25.00
EDGE(BPSK) 1 Tx slot	29.89	29.82	29.82	27.00	17.99	17.82	17.82	18.00
EDGE(BPSK) 2 Tx slots	24.09	24.03	24.00	25.00	16.09	16.03	16.00	19.00
EDGE(BPSK) 3 Tx slots	22.38	22.33	22.33	23.50	16.10	16.07	16.07	19.24
EDGE(BPSK) 4 Tx slots	20.61	20.67	20.62	21.00	17.61	17.67	17.62	18.50

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.03	32.09	32.12	33.00	23.03	23.09	23.12	24.00
GPRS 1 Tx slot	32.12	32.15	32.20	33.00	23.12	23.15	23.20	24.00
GPRS 2 Tx slots	29.38	29.34	29.35	30.50	23.38	23.34	23.35	24.50
GPRS 3 Tx slots	27.34	27.27	27.33	28.50	23.08	23.01	23.07	24.24
GPRS 4 Tx slots	26.30	26.31	26.25	27.50	23.30	23.31	23.25	24.50
EDGE(GMSK) 1 Tx slot	31.96	32.09	31.98	33.00	22.96	23.09	22.98	24.00
EDGE(GMSK) 2 Tx slots	29.16	29.31	29.22	30.50	23.16	23.31	23.22	24.50
EDGE(GMSK) 3 Tx slots	27.16	27.22	27.16	28.50	22.90	22.96	22.90	24.24
EDGE(GMSK) 4 Tx slots	26.20	26.22	26.16	27.50	23.20	23.22	23.16	24.50
EDGE(BPSK) 1 Tx slot	25.94	25.98	26.09	27.00	16.94	16.98	17.09	18.00
EDGE(BPSK) 2 Tx slots	23.05	23.07	23.04	24.00	17.05	17.07	17.04	18.00
EDGE(BPSK) 3 Tx slots	21.38	21.37	21.37	22.50	17.12	17.11	17.11	18.24
EDGE(BPSK) 4 Tx slots	19.73	19.73	19.78	21.00	16.73	16.73	16.78	18.00

Band	WCDMA II_Ant 3			Tune-up Limit (dBm)	WCDMA II_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	
Rx Channel	9662	9800	9938	9662	9800	9938	9662	9800	
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
3GPP Rel 99	AMR 12.2Kbps	23.10	23.25	23.27	23.90	22.97	23.02	22.95	23.90
3GPP Rel 99	AMR 12.2Kbps	23.14	23.29	23.28	23.90	22.90	23.04	22.96	23.90
3GPP Rel 6	HSDPA Subtest-1	22.11	22.34	22.27	22.90	21.71	22.03	22.01	22.90
3GPP Rel 6	HSDPA Subtest-2	22.13	22.31	22.23	22.90	21.70	21.97	21.98	22.90
3GPP Rel 6	HSDPA Subtest-3	21.83	21.83	21.75	22.40	21.27	21.50	21.51	22.40
3GPP Rel 6	HSDPA Subtest-4	21.60	21.79	21.76	22.40	21.21	21.48	21.48	22.40
3GPP Rel 6	DC-HSDPA Subtest-1	22.04	22.17	22.15	22.90	21.66	21.89	22.00	22.90
3GPP Rel 6	DC-HSDPA Subtest-2	22.00	22.22	22.02	22.90	21.71	21.86	21.86	22.90
3GPP Rel 6	DC-HSDPA Subtest-3	21.48	21.70	21.63	22.40	21.25	21.47	21.37	22.40
3GPP Rel 6	DC-HSDPA Subtest-4	21.47	21.66	21.58	22.40	21.13	21.39	21.44	22.40
3GPP Rel 6	HSUPA Subtest-1	20.15	20.35	20.30	21.00	20.12	20.17	20.12	21.00
3GPP Rel 6	HSUPA Subtest-2	20.13	20.32	20.23	20.80	19.72	19.98	20.00	20.80
3GPP Rel 6	HSUPA Subtest-3	21.16	21.35	21.30	21.90	20.78	21.04	21.02	21.90
3GPP Rel 6	HSUPA Subtest-4	19.86	19.85	19.86	20.40	19.30	19.54	19.56	20.40
3GPP Rel 6	HSUPA Subtest-5	21.10	21.30	21.20	21.80	20.70	21.00	21.00	21.80
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	19.72	19.71	19.76	20.50	19.59	19.85	19.88	20.50

Band	WCDMA II_Ant 3			Tune-up Limit (dBm)	WCDMA II_Ant 0			Tune-up Limit (dBm)	
	4132	4182	4233		4132	4182	4233		
TX Channel	4132	4182	4233	4132	4182	4233	4132	4182	
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407	
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.19	24.18	24.40	22.89	22.92	22.91	24.40
3GPP Rel 99	AMR 12.2Kbps	24.21	24.24	24.21	24.40	22.91	22.93	22.92	24.40
3GPP Rel 6	HSDPA Subtest-1	23.27	23.28	23.24	23.40	21.88	21.90	21.88	23.40
3GPP Rel 6	HSDPA Subtest-2	23.25	23.27	23.27	23.40	21.88	21.85	21.88	23.40
3GPP Rel 6	HSDPA Subtest-3	22.82	22.80	22.85	22.90	21.40	21.39	21.41	22.90
3GPP Rel 6	HSDPA Subtest-4	22.77	22.76	22.79	22.90	21.37	21.35	21.39	22.90
3GPP Rel 6	DC-HSDPA Subtest-1	23.24	23.17	23.21	23.40	21.81	21.88	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-2	23.12	23.16	23.24	23.40	21.82	21.80	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-3	22.79	22.72	22.81	22.90	21.29	21.35	21.34	22.90
3GPP Rel 6	DC-HSDPA Subtest-4	22.71	22.61	22.65	22.90	21.33	21.22	21.27	22.90
3GPP Rel 6	HSUPA Subtest-1	20.92	20.93	20.99	21.30	19.84	19.84	19.86	21.30
3GPP Rel 6	HSUPA Subtest-2	20.91	20.93	20.99	21.30	19.83	19.82	19.86	21.30
3GPP Rel 6	HSUPA Subtest-3	21.98	21.97	22.00	22.40	20.85	20.89	20.87	22.40
3GPP Rel 6	HSUPA Subtest-4	20.48	20.45	20.51	20.80	19.25	19.27	19.25	20.80
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	22.00	22.30	20.90	20.80	20.90	22.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	20.62	20.72	20.70	20.90	19.52	19.51	19.51	20.90

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	29.37	29.44	29.44	30.20	20.37	20.44	20.44	21.20
GPRS 1 Tx slot	29.45	29.48	29.46	30.20	20.45	20.48	20.46	21.20
GPRS 2 Tx slots	26.92	26.99	26.92	27.70	20.92	20.99	20.92	21.70
GPRS 3 Tx slots	24.74	24.83	24.81	25.50	20.48	20.48	20.57	21.24
GPRS 4 Tx slots	24.38	24.40	24.32	24.80	21.38	21.40	21.32	21.80
EDGE(GMSK) 1 Tx slot	29.28	29.42	29.35	30.20	20.28	20.42	20.35	21.20
EDGE(GMSK) 2 Tx slots	26.84	26.93	26.82	27.70	20.84	20.93	20.82	21.70
EDGE(GMSK) 3 Tx slots	24.68	24.76	24.72	25.50	20.42	20.50	20.46	21.24
EDGE(GMSK) 4 Tx slots	23.71	23.82	23.76	24.80	20.71	20.82	20.76	21.80
EDGE(BPSK) 1 Tx slot	26.33	26.32	26.34	27.00	17.33	17.32	17.34	18.00
EDGE(BPSK) 2 Tx slots	23.01	23.01	23.07	23.80	17.01	17.01	17.07	19.00
EDGE(BPSK) 3 Tx slots	20.55	20.56	20.57	21.30	16.28	16.30	16.31	17.04
EDGE(BPSK) 4 Tx slots	20.02	20.13	20.12	20.80	17.02	17.13	17.12	17.80

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	28.97	28.85	28.68	30.20	19.97	19.85	19.68	21.20
GPRS 1 Tx slot	28.96	28.87	28.89	30.20	19.96	19.87	19.89	21.20
GPRS 2 Tx slots	26.46	26.41	26.33	27.70	20.46	20.41	20.33	21.70
GPRS 3 Tx slots	24.11	24.05	23.93	25.50	19.85	19.79	19.67	21.24
GPRS 4 Tx slots	23.26	23.29	23.18	24.80	20.26	20.29	20.18	21.80
EDGE(GMSK) 1 Tx slot	26.79	26.81	26.74	30.20	19.79	19.81	19.74	21.20
EDGE(BPSK) 1 Tx slot	26.41	26.44	26.30	27.70	20.41	20.44	20.30	21.70
EDGE(GMSK) 3 Tx slots	24.20	24.28	24.14	25.50	19.94	20.02	19.88	21.24
EDGE(GMSK) 4 Tx slots	23.39	23.41	23.30	24.80	20.39	20.41	20.30	21.80
EDGE(BPSK) 1 Tx slot	25.73	25.81	25.79	27.00	16.73	16.81	16.79	18.00
EDGE(BPSK) 2 Tx slots	22.50	22.63	22.54	23.80	16.50	16.63	16.54	17.80
EDGE(BPSK) 3 Tx slots	20.04	20.13	20.03	21.30	15.78	15.87	15.77	17.04
EDGE(BPSK) 4 Tx slots	19.52	19.54	19.52	20.80	16.52	16.54	16.52	17.80



Band 2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18900	19100			
20	QPSK	1	0	22.25	22.10	22.21	22.8	0	
20	QPSK	1	49	22.26	22.29	22.27			
20	QPSK	1	99	21.98	22.07	22.19			
20	QPSK	50	0	21.18	21.21	21.21	21.8	1	
20	QPSK	50	24	20.99	21.20	21.20			
20	QPSK	50	50	21.26	21.23	21.22			
20	QPSK	100	0	21.21	21.23	21.20			
20	16QAM	1	0	21.13	21.21	21.27			
20	16QAM	1	49	21.16	21.26	21.28			
20	16QAM	1	99	21.18	21.18	21.18			
20	16QAM	50	0	20.19	20.24	20.23			
20	16QAM	50	24	20.22	20.26	20.28			
20	16QAM	50	50	20.26	20.17	20.23			
20	16QAM	100	0	20.18	20.18	20.22			
20	64QAM	1	0	20.13	20.17	20.23			
20	64QAM	1	49	20.13	20.16	20.23			
20	64QAM	1	99	20.18	20.03	20.15			
20	64QAM	50	0	19.17	19.21	19.28			
20	64QAM	50	24	19.25	19.26	19.28			
20	64QAM	50	50	19.22	19.13	19.21			
20	64QAM	100	0	19.16	19.16	19.15			
Channel									
Frequency (MHz)				18675	18800	19125			
15	QPSK	1	0	22.13	21.99	22.20	22.8	0	
15	QPSK	1	37	22.12	22.17	22.22			
15	QPSK	1	74	21.96	21.98	22.14			
15	QPSK	36	0	21.09	21.18	21.06			
15	QPSK	36	20	21.25	21.27	21.11			
15	QPSK	36	39	21.25	21.17	21.13			
15	QPSK	75	0	21.08	21.12	21.26			
15	16QAM	1	0	21.09	21.06	21.06			
15	16QAM	1	37	21.11	21.22	21.23			
15	16QAM	1	74	21.16	21.11	21.07			
15	16QAM	36	0	20.15	20.12	20.19			
15	16QAM	36	20	20.08	20.23	20.21			
15	16QAM	36	39	20.12	20.11	20.13			
15	16QAM	75	0	20.11	20.05	20.08			
15	64QAM	1	0	20.01	20.04	20.18			
15	64QAM	1	37	20.10	20.05	20.17			
15	64QAM	1	74	20.09	19.86	20.12			
15	64QAM	36	0	19.15	19.09	19.15			
15	64QAM	36	20	19.11	19.14	19.15			
15	64QAM	36	39	19.18	19.08	19.19			
15	64QAM	75	0	19.11	19.08	19.00			
Channel									
Frequency (MHz)				18650	18900	19150			
10	QPSK	1	0	22.19	22.04	22.08	22.8	0	
10	QPSK	1	25	22.16	22.17	22.12			
10	QPSK	1	49	21.96	21.96	22.18			
10	QPSK	25	0	21.12	21.06	21.15			
10	QPSK	25	25	21.25	21.21	21.21			
10	QPSK	25	25	21.12	21.18	21.17			
10	QPSK	50	0	21.12	21.10	21.15			
10	16QAM	1	0	21.00	21.15	21.18			
10	16QAM	1	25	21.14	21.24	21.16			
10	16QAM	1	49	21.11	21.11	21.05			
10	16QAM	25	0	20.15	20.20	20.10			
10	16QAM	25	12	20.14	20.22	20.25			
10	16QAM	25	25	20.18	20.16	20.20			
10	16QAM	50	0	20.09	20.03	20.11			
10	64QAM	1	0	20.11	20.04	20.09			
10	64QAM	1	25	20.09	20.06	20.21			
10	64QAM	1	49	20.08	19.90	20.00			
10	64QAM	25	0	19.15	19.10	19.13			
10	64QAM	25	12	19.18	19.14	19.25			
10	64QAM	25	25	19.20	19.12	19.18			
10	64QAM	50	0	19.08	19.06	19.06			
Channel									
Frequency (MHz)				18625	18900	19175			
5	QPSK	1	0	22.23	22.09	22.19	22.8	0	
5	QPSK	1	12	22.22	22.15	22.17			
5	QPSK	1	24	21.98	21.96	22.09			
5	QPSK	12	0	21.06	21.20	21.16			
5	QPSK	12	7	21.14	21.14	21.11			
5	QPSK	12	13	21.25	21.19	21.17			
5	QPSK	25	0	21.12	21.10	21.19			
5	16QAM	1	0	20.99	21.06	21.12			
5	16QAM	1	12	21.05	21.10	21.10			
5	16QAM	1	24	21.10	21.08	21.15			
5	16QAM	12	0	20.06	20.10	20.21			
5	16QAM	12	7	20.09	20.12	20.20			
5	16QAM	12	13	20.17	20.07	20.13			
5	16QAM	25	0	20.11	20.10	20.18			
5	64QAM	1	0	20.08	20.13	20.11			
5	64QAM	1	12	19.98	20.15	20.15			
5	64QAM	1	24	20.05	20.01	20.09			
5	64QAM	12	0	19.04	19.11	19.16			
5	64QAM	12	7	19.15	19.11	19.28			
5	64QAM	12	13	19.18	19.04	19.06			
5	64QAM	25	0	19.14	19.08	19.06			
Channel									
Frequency (MHz)				18615	18900	19185			
3	QPSK	1	0	22.11	22.08	22.19	22.8	0	
3	QPSK	1	8	22.11	22.20	22.18			
3	QPSK	1	14	21.91	22.03	22.15			
3	QPSK	8	0	21.08	21.13	21.10			
3	QPSK	8	4	21.22	21.20	21.23			
3	QPSK	8	7	21.14	21.22	21.19			
3	QPSK	15	0	21.11	21.14	21.14			
3	16QAM	1	0	21.06	21.06	21.16			
3	16QAM	1	8	21.09	21.25	21.25			
3	16QAM	1	14	21.17	21.11	21.11			
3	16QAM	8	0	20.10	20.11	20.09			
3	16QAM	8	4	20.15	20.22	20.19			
3	16QAM	8	7	20.21	20.10	20.15			
3	16QAM	15	0	20.05	20.15	20.15			
3	64QAM	1	0	20.00	20.08	20.19			
3	64QAM	1	8	20.10	20.05	20.14			
3	64QAM	1	14	20.09	19.94	20.08			
3	64QAM	8	0	19.06	19.09	19.15			
3	64QAM	8	4	19.22	19.21	19.21			
3	64QAM	8	7	19.08	19.08	19.10			
3	64QAM	15	0	19.03	19.15	19.05			
Channel									
Frequency (MHz)				18607	18900	19193			
1.4	QPSK	1	0	22.16	22.05	22.16	22.8	0	
1.4	QPSK	1	3	22.16	22.23	22.15			
1.4	QPSK	1	5	21.90	21.95	22.09			
1.4	QPSK	3	0	22.00	21.96	22.08			
1.4	QPSK	3	1	22.01	22.10	22.03			
1.4	QPSK	3	3	21.88	21.82	22.11			
1.4	QPSK	6	0	21.11	21.16	21.13			
1.4	16QAM	1	0	21.09	21.15	21.28			
1.4	16QAM	1	3	21.10	21.12	21.20			
1.4	16QAM	1	5	21.11	21.13	21.17			
1.4	16QAM	3	0	20.94	21.02	21.20			
1.4	16QAM	3	1	21.08	21.11	21.07			
1.4	16QAM	3	3	20.97	21.00	21.05			
1.4	16QAM	6	0	20.03	20.10	20.18			
1.4	64QAM	1	0	19.98	20.06	20.21			
1.4	64QAM	1	3	20.01	20.10	20.10			
1.4	64QAM	1	5	20.08	19.96	20.12			
1.4	64QAM	3	0	19.96	20.01	20.20			
1.4	64QAM	3	1	19.89	20.08	20.06			
1.4	64QAM	3	3	20.02	19.90	20.01			
1.4	64QAM	6	0	19.03	19.05	19.02			

Band 2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18900	19100			
20	QPSK	1	0	21.89	21.96	21.85	22.8	0	
20	QPSK	1	49	21.99	22.11	22.02			
20	QPSK	1	99	21.83	21.91	21.84			
20	QPSK	50	0	21.03	21.06	21.02			



Band 4_Ant 0											
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				2050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	22.99	23.10	23.06	24.3	0			
20	QPSK	1	49	23.07	23.20	23.15					
20	QPSK	1	99	23.00	23.04	22.99					
20	QPSK	50	0	22.23	22.26	22.19					
20	QPSK	50	24	22.25	22.27	22.22					
20	QPSK	50	50	22.18	22.24	22.13	23.3	1			
20	QPSK	100	0	22.06	22.08	21.98					
20	16QAM	1	0	22.10	22.23	22.17					
20	16QAM	1	49	22.12	22.25	22.14	23.3	1			
20	16QAM	1	99	22.11	22.23	22.13					
20	16QAM	50	0	21.16	21.24	21.24					
20	16QAM	50	24	21.19	21.21	21.11					
20	16QAM	50	50	21.12	21.14	21.11	22.3	2			
20	16QAM	100	0	21.04	21.08	21.02					
20	64QAM	1	0	21.08	21.13	21.11					
20	64QAM	1	49	21.14	21.19	21.05	22.3	2			
20	64QAM	1	99	21.02	21.12	21.00					
20	64QAM	50	0	20.19	20.24	20.18					
20	64QAM	50	24	20.15	20.27	20.14					
20	64QAM	50	50	20.26	20.28	20.16	21.3	3			
20	64QAM	100	0	20.00	20.20	20.21					
Channel				20000	20175	20350					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	22.96	23.01	23.05	24.3	0			
15	QPSK	1	37	23.03	23.12	23.16					
15	QPSK	1	74	22.87	23.04	22.95					
15	QPSK	36	0	22.20	22.17	22.16					
15	QPSK	36	20	22.17	22.25	22.14	23.3	1			
15	QPSK	36	39	22.15	22.21	22.06					
15	QPSK	75	0	22.04	22.03	21.94					
15	16QAM	1	0	22.10	22.19	22.13					
15	16QAM	1	37	22.12	22.25	22.18	23.3	1			
15	16QAM	1	74	22.00	22.10	22.05					
15	16QAM	36	0	21.13	21.11	21.11					
15	16QAM	36	20	21.13	21.20	21.11	22.3	2			
15	16QAM	36	39	21.10	21.00	21.05					
15	16QAM	75	0	20.95	21.06	20.91					
15	64QAM	1	0	21.01	21.13	21.01					
15	64QAM	1	37	21.13	21.06	20.98	22.3	2			
15	64QAM	1	74	20.98	20.97	20.86					
15	64QAM	36	0	20.98	20.00	20.08					
15	64QAM	36	20	20.10	20.14	20.12	21.3	3			
15	64QAM	36	39	20.21	20.16	20.08					
15	64QAM	75	0	20.11	20.19	20.07					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	22.87	23.00	22.93	24.3	0			
10	QPSK	1	25	22.93	23.13	23.10					
10	QPSK	1	49	22.96	22.89	22.87					
10	QPSK	25	0	22.17	22.18	22.07					
10	QPSK	25	12	22.19	22.26	22.08	23.3	1			
10	QPSK	25	25	22.09	22.16	21.96					
10	QPSK	50	0	21.96	21.97	21.83					
10	16QAM	1	0	22.06	22.23	22.14					
10	16QAM	1	25	21.97	22.25	22.05	23.3	1			
10	16QAM	1	49	22.11	22.20	22.08					
10	16QAM	25	0	21.16	21.22	21.24					
10	16QAM	25	12	21.05	21.18	21.09	22.3	2			
10	16QAM	25	25	21.12	20.98	21.06					
10	16QAM	50	0	20.91	20.96	21.02					
10	64QAM	1	0	21.03	21.11	21.03					
10	64QAM	1	25	21.05	21.04	20.97	22.3	2			
10	64QAM	1	49	20.88	21.00	20.93					
10	64QAM	25	0	20.12	20.21	20.05					
10	64QAM	25	12	20.05	20.14	20.10	21.3	3			
10	64QAM	25	25	20.21	20.15	20.06					
10	64QAM	50	0	20.05	20.14	20.08					
Channel				19975	20175	20375					
Frequency (MHz)				1722.5	1732.5	1742.5					
5	QPSK	1	0	22.45	22.45	22.42	24.3	0			
5	QPSK	1	12	23.01	23.08	23.06					
5	QPSK	1	24	22.87	23.01	22.90					
5	QPSK	12	0	22.08	22.13	22.04					
5	QPSK	12	7	22.12	22.12	22.09	23.3	1			
5	QPSK	12	13	22.17	22.13	22.10					
5	QPSK	25	0	21.99	21.93	21.83					
5	16QAM	1	0	22.01	22.13	22.03					
5	16QAM	1	12	22.02	22.25	22.05	23.3	1			
5	16QAM	1	24	22.00	22.20	21.98					
5	16QAM	12	0	21.04	21.18	21.11					
5	16QAM	12	7	21.11	21.12	21.01	22.3	2			
5	16QAM	12	13	21.02	21.01	20.96					
5	16QAM	25	0	20.99	21.02	20.99					
5	64QAM	1	0	21.01	20.99	21.11					
5	64QAM	1	12	21.12	21.14	21.04	22.3	2			
5	64QAM	1	24	21.09	20.96	21.06					
5	64QAM	12	0	20.12	20.24	20.04					
5	64QAM	12	7	20.12	20.27	20.10	21.3	3			
5	64QAM	12	13	20.20	20.22	20.12					
5	64QAM	25	0	20.19	20.19	20.06					
Channel				19965	20175	20385					
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	22.89	23.00	22.91	24.3	0			
3	QPSK	1	8	22.87	23.10	23.15					
3	QPSK	1	14	22.95	22.91	22.90					
3	QPSK	8	0	22.22	22.26	22.04					
3	QPSK	8	4	22.13	22.07	22.07	23.3	1			
3	QPSK	8	7	22.18	22.09	22.13					
3	QPSK	15	0	21.98	21.97	21.87					
3	16QAM	1	0	22.05	22.11	22.08					
3	16QAM	1	8	22.10	22.17	22.05	23.3	1			
3	16QAM	1	14	21.98	22.16	22.02					
3	16QAM	8	0	21.16	21.19	21.16					
3	16QAM	8	4	21.08	21.11	21.01	22.3	2			
3	16QAM	8	7	20.97	21.08	21.05					
3	16QAM	15	0	20.98	21.02	20.94					
3	64QAM	1	0	21.05	21.13	20.99					
3	64QAM	1	8	21.07	21.09	20.96	22.3	2			
3	64QAM	1	14	21.02	21.12	20.92					
3	64QAM	8	0	20.12	20.24	20.05					
3	64QAM	8	4	20.10	20.14	20.09	21.3	3			
3	64QAM	8	7	20.25	20.21	20.10					
3	64QAM	15	0	20.18	20.22	20.09					
Channel				19967	20175	20393					
Frequency (MHz)				1712.7	1732.5	1754.3					
1.4	QPSK	1	0	22.88	22.89	22.86	24.3	0			
1.4	QPSK	1	3	23.00	23.08	23.07					
1.4	QPSK	1	5	22.86	22.91	22.91					
1.4	QPSK	3	0	22.78	22.96	22.96					
1.4	QPSK	3	1	22.87	23.02	23.05	23.3	1			
1.4	QPSK	3	3	22.86	22.77	22.88					
1.4	QPSK	6	0	22.06	21.98	21.83					
1.4	16QAM	1	0	22.10	22.08	22.09					
1.4	16QAM	1	3	21.98	22.10	22.01	23.3	1			
1.4	16QAM	1	6	22.09	22.18	22.07					
1.4	16QAM	3	0	21.99	21.99	21.96					
1.4	16QAM	3	1	21.83	22.05	21.89					
1.4	16QAM	3	3	21.99	22.09	21.99	22.3	2			
1.4	16QAM	6	0	20.96	21.02	20.96					
1.4	64QAM	1	0	21.00	21.0						



Band 5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20450	20625	20800					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.17	23.20	23.05	24.5	0			
10	QPSK	1	25	23.20	23.26	23.20					
10	QPSK	1	49	23.06	23.17	23.11					
10	QPSK	25	0	22.21	22.36	22.32	23.5	1			
10	QPSK	25	12	22.30	22.47	22.38					
10	QPSK	25	25	22.33	22.36	22.22					
10	QPSK	50	0	22.42	22.44	22.30	23.5	1			
10	16QAM	1	0	22.29	22.35	22.20					
10	16QAM	1	25	22.24	22.36	22.38					
10	16QAM	1	49	22.27	22.24	22.28	23.5	1			
10	16QAM	25	0	21.09	21.12	21.11					
10	16QAM	25	12	21.19	21.20	21.05					
10	16QAM	25	25	21.08	21.16	21.10	22.5	2			
10	16QAM	50	0	21.11	21.14	21.05					
10	64QAM	1	0	21.30	21.22	21.20					
10	64QAM	1	25	21.25	21.21	21.19	22.5	2			
10	64QAM	1	49	21.17	21.31	21.23					
10	64QAM	25	0	20.08	20.13	20.11					
10	64QAM	25	12	20.13	20.24	20.19	21.5	3			
10	64QAM	25	25	20.19	20.21	20.16					
10	64QAM	50	0	20.07	20.10	20.12					
Channel				20450	20625	20800					
Frequency (MHz)				829.5	836.5	846.5					
5	QPSK	1	0	23.07	23.10	22.91	24.5	0			
5	QPSK	1	12	23.06	23.12	23.18					
5	QPSK	1	24	22.96	23.12	22.97					
5	QPSK	12	0	21.91	22.07	22.04	23.5	1			
5	QPSK	12	7	22.03	22.20	22.13					
5	QPSK	12	13	22.04	22.07	21.98					
5	QPSK	25	0	22.11	22.16	21.97	23.5	1			
5	16QAM	1	0	22.02	22.10	22.07					
5	16QAM	1	24	22.06	22.10	22.07					
5	16QAM	1	24	21.97	22.09	22.04	22.5	2			
5	16QAM	12	0	20.97	21.02	21.05					
5	16QAM	12	7	21.18	21.20	21.04					
5	16QAM	12	13	20.98	21.03	21.03	22.5	2			
5	16QAM	25	0	21.04	21.01	21.00					
5	64QAM	1	0	21.17	21.03	21.01					
5	64QAM	1	12	21.00	20.96	20.99	22.5	2			
5	64QAM	1	24	21.00	21.12	21.08					
5	64QAM	12	0	19.93	20.02	20.11					
5	64QAM	12	7	20.08	20.22	20.13	21.5	3			
5	64QAM	12	13	20.10	20.20	20.09					
5	64QAM	25	0	19.98	20.09	20.09					
Channel				20415	20625	20835					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.10	23.16	23.01	24.5	0			
3	QPSK	1	8	23.20	23.25	23.17					
3	QPSK	1	14	23.05	23.17	23.08					
3	QPSK	8	0	21.99	22.01	22.12	23.5	1			
3	QPSK	8	4	22.15	22.17	22.10					
3	QPSK	8	7	22.05	22.12	21.98					
3	QPSK	15	0	22.19	22.11	22.03	23.5	1			
3	16QAM	1	0	22.11	22.24	22.13					
3	16QAM	1	8	22.14	22.23	22.10					
3	16QAM	1	14	22.01	22.19	22.07	23.5	1			
3	16QAM	8	0	20.98	21.11	21.09					
3	16QAM	8	4	21.19	21.11	21.04					
3	16QAM	8	7	20.98	21.16	21.04	22.5	2			
3	16QAM	15	0	21.00	21.07	21.08					
3	64QAM	1	0	21.11	21.08	21.03					
3	64QAM	1	8	21.09	21.09	21.09	22.5	2			
3	64QAM	1	14	20.96	21.09	21.09					
3	64QAM	8	0	20.08	20.00	20.04					
3	64QAM	8	4	20.07	20.23	20.12	21.5	3			
3	64QAM	8	7	20.05	20.12	20.18					
3	64QAM	15	0	20.03	20.16	20.17					
Channel				20407	20625	20843					
Frequency (MHz)				827.7	836.5	848.3					
1.4	QPSK	1	0	23.11	23.15	22.91	24.5	0			
1.4	QPSK	1	3	23.10	23.20	23.18					
1.4	QPSK	1	5	22.95	23.08	22.97					
1.4	QPSK	3	0	23.05	23.02	22.84	23.5	1			
1.4	QPSK	3	1	23.10	23.07	23.16					
1.4	QPSK	3	3	22.87	23.06	22.87					
1.4	QPSK	6	0	22.15	22.22	22.09	23.5	1			
1.4	16QAM	1	0	22.10	22.25	22.10					
1.4	16QAM	1	3	22.12	22.19	22.11					
1.4	16QAM	1	5	22.05	22.08	21.95	23.5	1			
1.4	16QAM	3	0	22.02	22.19	22.01					
1.4	16QAM	3	1	22.06	22.18	22.11					
1.4	16QAM	3	3	21.93	21.93	21.91	22.5	2			
1.4	16QAM	6	0	21.02	21.10	20.94					
1.4	64QAM	1	0	21.12	21.12	21.00					
1.4	64QAM	1	3	21.02	21.04	20.96	22.5	2			
1.4	64QAM	1	5	21.06	21.12	21.07					
1.4	64QAM	3	0	21.08	21.10	20.95					
1.4	64QAM	3	1	20.89	20.96	20.87	21.5	3			
1.4	64QAM	3	3	21.08	21.12	20.95					
1.4	64QAM	6	0	19.97	20.19	20.06					

Band 7_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	23.13	23.26	23.15	24.3	0			
20	QPSK	1	49	23.25	23.30	23.22					
20	QPSK	1	99	23.13	23.29	23.07					
20	QPSK	50	0	22.17	22.24	22.25	23.3	1			
20	QPSK	50	24	22.26	22.28	22.24					
20	QPSK	50	50	22.18	22.22	22.19					
20	QPSK	100	0	22.19	22.27	22.23	23.3	1			
20	16QAM	1	0	22.25	22.22	22.23					
20	16QAM	1	49	22.18	22.22	22.13					
20	16QAM	1	99	22.22	22.21	22.21	23.3	1			
20	16QAM	50	0	21.14	21.21	21.17					
20	16QAM	50	24	21.22	21.18	21.06					
20	16QAM	50	50	21.13	21.15	21.17	22.3	2			
20	16QAM	100	0	21.11	21.23	21.21					
20	64QAM	1	0	21.11	21.19	21.15					
20	64QAM	1	49	21.20	21.17	21.13	22.3	2			
20	64QAM	1	99	21.19	21.22	21.08					
20	64QAM	50	0	20.23	20.26	20.28					
20	64QAM	50	24	20.23	20.26	20.19	21.3	3			
20	64QAM	50	50	20.29	20.28	20.19					
20	64QAM	100	0	20.21	20.25	20.21					
Channel				20775	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	23.00	23.13	23.05	24.3	0			
15	QPSK	1	37	23.16	23.20	23.08					
15	QPSK	1	74	23.12	23.25	22.95					
15	QPSK	36	0	22.15	22.22	22.14	23.3	1			
15	QPSK	36	20	22.12	22.13	22.15					
15	QPSK	36	39	22.17	22.18	22.04					
15	QPSK	75	0	22.09	22.16	22.09	23.3	1			
15	16QAM	1	0	22.16	22.12	22.10					
15	16QAM	1	74	21.15	21.16	20.84					
15	16QAM	1	74	22.10	22.10	22.12	22.3	2			
15	16QAM	36	0	21.12	21.18	21.18					
15	16QAM	36	20	21.17	21.05	20.97					
15	16QAM	36	39	20.98	21.05	21.04	22.3	2			
15	16QAM	75	0	20.98	21.15	21.16					
15	64QAM	1	0	20.99	21.13	21.08					
15	64QAM	1	37	21.11	21.15	21.08	22.3	2			
15	64QAM	1	74	21.13	21.16	20.84					
15	64QAM	36	0	20.09	20.13	20.15					
15	64QAM	36	20	20.08</							



Band 7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.20	23.03	22.76	24.3	0	
20	QPSK	1	49	23.27	23.26	23.10			
20	QPSK	1	99	23.15	23.04	23.06			
20	QPSK	50	0	22.24	22.23	22.04			
20	QPSK	50	24	22.06	22.06	22.06			
20	QPSK	50	50	22.22	22.22	21.95	23.3	1	
20	QPSK	100	0	22.14	22.21	21.99			
20	16QAM	1	0	22.14	22.14	21.92			
20	16QAM	1	49	22.14	22.20	21.82	23.3	1	
20	16QAM	1	99	22.07	22.13	21.87			
20	16QAM	50	0	21.30	21.24	21.22			
20	16QAM	50	24	21.28	21.21	21.27			
20	16QAM	50	50	21.20	21.23	21.20	22.3	2	
20	16QAM	100	0	21.28	21.14	21.25			
20	64QAM	1	0	21.22	21.09	21.14			
20	64QAM	1	49	21.16	21.15	21.25	22.3	2	
20	64QAM	1	99	21.13	21.15	21.08			
20	64QAM	50	0	20.23	20.13	20.04			
20	64QAM	50	24	20.22	20.17	20.15			
20	64QAM	50	50	20.28	20.17	20.13	21.3	3	
20	64QAM	100	0	20.27	20.15	20.00			
Channel				20975	21100	21075	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.05	23.01	22.61	24.3	0	
15	QPSK	1	37	23.13	23.23	22.95			
15	QPSK	1	74	23.03	22.95	22.98			
15	QPSK	36	0	22.16	22.18	21.89			
15	QPSK	36	20	22.19	22.13	21.96	23.3	1	
15	QPSK	36	39	22.21	22.07	21.80			
15	QPSK	75	0	22.03	22.13	21.91			
15	16QAM	1	0	22.01	22.05	21.79	23.3	1	
15	16QAM	1	37	22.06	22.07	21.86			
15	16QAM	1	74	22.03	21.99	21.83			
15	16QAM	36	0	21.16	21.22	21.11			
15	16QAM	36	20	21.27	21.18	21.18	22.3	2	
15	16QAM	36	39	21.06	21.13	21.11			
15	16QAM	75	0	21.25	21.12	21.21			
15	64QAM	1	0	21.19	20.99	21.07			
15	64QAM	1	37	21.03	21.08	21.11	22.3	2	
15	64QAM	1	74	21.04	21.02	20.88			
15	64QAM	36	0	20.22	19.98	19.91			
15	64QAM	36	20	20.17	20.12	20.13	21.3	3	
15	64QAM	36	39	20.14	20.13	20.11			
15	64QAM	75	0	20.18	20.05	19.89			
Channel				20880	21100	21400	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.05	22.91	22.62	24.3	0	
10	QPSK	1	25	23.18	23.17	22.97			
10	QPSK	1	49	23.13	22.96	22.96			
10	QPSK	25	0	22.13	22.22	22.00			
10	QPSK	25	12	22.24	22.21	21.95	23.3	1	
10	QPSK	25	25	22.12	22.15	21.80			
10	QPSK	50	0	22.08	22.17	21.89			
10	16QAM	1	0	22.12	22.06	21.84			
10	16QAM	1	25	22.03	22.12	21.89	23.3	1	
10	16QAM	1	49	22.04	22.11	21.86			
10	16QAM	25	0	21.25	21.09	21.19			
10	16QAM	25	12	21.23	21.12	21.26	22.3	2	
10	16QAM	25	25	21.10	21.09	21.13			
10	16QAM	50	0	21.17	21.05	21.12			
10	64QAM	1	0	21.13	21.05	21.10	22.3	2	
10	64QAM	1	25	21.01	21.00	21.05			
10	64QAM	1	49	21.11	21.05	21.13			
10	64QAM	25	0	20.08	20.08	20.02			
10	64QAM	25	12	20.19	20.05	20.08	21.3	3	
10	64QAM	25	25	20.22	20.16	20.09			
10	64QAM	50	0	20.26	20.09	19.98			
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.07	22.98	22.64	24.3	0	
5	QPSK	1	12	23.13	23.18	22.98			
5	QPSK	1	24	23.06	22.96	23.00			
5	QPSK	12	0	22.09	22.08	21.96			
5	QPSK	12	7	22.23	22.17	21.98	23.3	1	
5	QPSK	12	13	22.15	22.09	21.90			
5	QPSK	25	0	22.01	22.11	21.87			
5	16QAM	1	0	21.99	22.12	21.80	23.3	1	
5	16QAM	1	12	22.01	22.17	21.90			
5	16QAM	1	24	21.95	22.05	21.80			
5	16QAM	12	0	21.18	21.21	21.14			
5	16QAM	12	7	21.15	21.10	21.12	22.3	2	
5	16QAM	12	13	21.07	21.08	21.08			
5	16QAM	25	0	21.16	21.09	21.10			
5	64QAM	1	0	21.13	21.06	21.07	22.3	2	
5	64QAM	1	12	21.14	21.01	21.22			
5	64QAM	1	24	21.05	21.01	20.96			
5	64QAM	12	0	20.13	19.99	19.99	21.3	3	
5	64QAM	12	7	20.18	20.05	20.00			
5	64QAM	12	13	20.22	20.16	20.10			
5	64QAM	25	0	20.16	20.06	19.93			

Band 12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.28	24.26	24.21	24.7	0	
10	QPSK	1	25	24.31	24.42	24.28			
10	QPSK	1	49	24.25	24.25	24.26			
10	QPSK	25	0	23.36	23.42	23.33			
10	QPSK	25	12	23.41	23.44	23.42	23.7	1	
10	QPSK	25	25	23.39	23.37	23.41			
10	QPSK	50	0	23.42	23.43	23.39			
10	16QAM	1	0	23.30	23.32	23.29			
10	16QAM	1	25	23.27	23.29	23.28	23.7	1	
10	16QAM	1	49	23.25	23.28	23.29			
10	16QAM	25	0	22.28	22.28	22.25			
10	16QAM	25	12	22.26	22.31	22.26	22.7	2	
10	16QAM	25	25	22.30	22.34	22.29			
10	16QAM	50	0	22.29	22.21	22.30			
10	64QAM	1	0	22.21	22.19	22.20			
10	64QAM	1	25	22.17	22.27	22.23	22.7	2	
10	64QAM	1	49	22.27	22.29	22.18			
10	64QAM	25	0	21.26	21.18	21.22			
10	64QAM	25	12	21.39	21.30	21.19	21.7	3	
10	64QAM	25	25	21.38	21.29	21.29			
10	64QAM	50	0	21.29	21.24	21.26			
Channel				23065	23095	23165	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.16	24.18	24.10	24.7	0	
5	QPSK	1	12	24.19	24.23	24.22			
5	QPSK	1	24	24.16	24.22	24.20			
5	QPSK	12	0	23.33	23.31	23.19			
5	QPSK	12	7	23.38	23.37	23.28	23.7	1	
5	QPSK	12	13	23.25	23.32	23.35			
5	QPSK	25	0	23.27	23.28	23.38			
5	16QAM	1	0	23.17	23.21	23.26	23.7	1	
5	16QAM	1	12	23.18	23.18	23.18			
5	16QAM	1	24	23.14	23.11	23.24			
5	16QAM	12	0	22.24	22.27	22.14			
5	16QAM	12	7	22.18	22.17	22.17	22.7	2	
5	16QAM	12	13	22.15	22.32	22.19			
5	16QAM	25	0	22.23	22.11	22.27			
5	64QAM	1	0	22.10	22.12	22.16			
5	64QAM	1	12	22.09	22.12	22.08	22.7	2	
5	64QAM	1	24	22.26	22.24	22.15			
5	64QAM	12	0	21.23	21.08	21.08			
5	64QAM	12	7	21.30	21.28	21.11	21.7	3	
5	64QAM	12	13	21.37	21.24				



Band 13_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0	23.22			23.5	0		
10	QPSK	1	25	23.26						
10	QPSK	1	49	23.22						
10	QPSK	25	0	22.25			22.5	1		
10	QPSK	25	12	22.28						
10	QPSK	25	25	22.28						
10	QPSK	50	0	22.25			22.5	1		
10	16QAM	1	0	22.24						
10	16QAM	1	25	22.26						
10	16QAM	1	49	22.23			21.5	2		
10	16QAM	25	0	21.25						
10	16QAM	25	12	21.30						
10	16QAM	25	25	21.21			21.5	2		
10	16QAM	50	0	21.29						
10	64QAM	1	0	21.29						
10	64QAM	1	25	21.25			20.5	3		
10	64QAM	1	49	21.28						
10	64QAM	25	0	20.26						
10	64QAM	25	12	20.25			20.5	3		
10	64QAM	25	25	20.28						
10	64QAM	50	0	20.25						
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0	23.13	23.08	23.19	23.5	0		
5	QPSK	1	12	23.21	23.23	23.14				
5	QPSK	1	24	23.18	23.08	23.23				
5	QPSK	12	0	22.19	22.13	22.20	22.5	1		
5	QPSK	12	7	22.17	22.25	22.20				
5	QPSK	12	13	22.24	22.16	22.15				
5	QPSK	25	0	22.20	22.20	22.10	22.5	1		
5	16QAM	1	0	22.12	22.13	22.19				
5	16QAM	1	12	22.14	22.14	22.19				
5	16QAM	1	24	22.17	22.17	22.22	21.5	2		
5	16QAM	12	0	21.23	21.17	21.20				
5	16QAM	12	7	21.23	21.24	21.16				
5	16QAM	12	13	21.20	21.16	21.17	21.5	2		
5	16QAM	25	0	21.14	21.27	21.20				
5	64QAM	1	0	21.18	21.20	21.24				
5	64QAM	1	12	21.19	21.14	21.11	21.5	2		
5	64QAM	1	24	21.17	21.20	21.16				
5	64QAM	12	0	20.20	20.15	20.21				
5	64QAM	12	7	20.12	20.21	20.24	20.5	3		
5	64QAM	12	13	20.18	20.13	20.23				
5	64QAM	25	0	20.21	20.21	20.19				

Band 13_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0	22.19			23.5	0		
10	QPSK	1	25	22.23						
10	QPSK	1	49	22.19						
10	QPSK	25	0	21.23			22.5	1		
10	QPSK	25	12	21.28						
10	QPSK	25	25	21.25						
10	QPSK	50	0	21.22			22.5	1		
10	16QAM	1	0	21.47						
10	16QAM	1	25	21.54						
10	16QAM	1	49	21.44			21.5	2		
10	16QAM	25	0	20.24						
10	16QAM	25	12	20.21						
10	16QAM	25	25	20.25			21.5	2		
10	16QAM	50	0	20.25						
10	64QAM	1	0	20.35						
10	64QAM	1	25	20.32			21.5	2		
10	64QAM	1	49	20.32						
10	64QAM	25	0	19.23						
10	64QAM	25	12	19.24			20.5	3		
10	64QAM	25	25	19.22						
10	64QAM	50	0	19.24						
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0	22.08	22.16	22.08	23.5	0		
5	QPSK	1	12	22.12	22.10	22.13				
5	QPSK	1	24	22.19	22.04	22.04				
5	QPSK	12	0	21.21	21.17	21.23	22.5	1		
5	QPSK	12	7	21.15	21.13	21.13				
5	QPSK	12	13	21.18	21.11	21.22				
5	QPSK	25	0	21.16	21.21	21.15	22.5	1		
5	16QAM	1	0	21.47	21.40	21.44				
5	16QAM	1	12	21.39	21.39	21.45				
5	16QAM	1	24	21.30	21.31	21.42	21.5	2		
5	16QAM	12	0	20.13	20.14	20.18				
5	16QAM	12	7	20.07	20.08	20.15				
5	16QAM	12	13	20.20	20.22	20.17	21.5	2		
5	16QAM	25	0	20.13	20.21	20.23				
5	64QAM	1	0	20.32	20.28	20.23				
5	64QAM	1	12	20.18	20.32	20.20	21.5	2		
5	64QAM	1	24	20.23	20.32	20.27				
5	64QAM	12	0	19.20	19.15	19.23				
5	64QAM	12	7	19.24	19.24	19.16	20.5	3		
5	64QAM	12	13	19.07	19.16	19.22				
5	64QAM	25	0	19.19	19.15	19.11				

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23780						
Frequency (MHz)				709						
10	QPSK	1	0	24.27	24.24	24.21	24.7	0		
10	QPSK	1	25	24.38	24.39	24.32				
10	QPSK	1	49	24.31	24.32	24.21				
10	QPSK	25	0	23.20	23.22	23.28	23.7	1		
10	QPSK	25	12	23.27	23.38	23.21				
10	QPSK	25	25	23.36	23.26	23.21				
10	QPSK	50	0	23.25	23.32	23.30	23.7	1		
10	16QAM	1	0	22.69	22.83	23.22				
10	16QAM	1	25	22.67	22.85	22.83				
10	16QAM	1	49	22.92	22.90	23.26	23.7	1		
10	16QAM	25	0	22.20	22.19	22.19				
10	16QAM	25	12	22.26	22.32	22.21				
10	16QAM	25	25	22.32	22.26	22.32	22.7	2		
10	16QAM	50	0	22.27	22.23	22.25				
10	64QAM	1	0	22.32	22.38	22.32				
10	64QAM	1	25	22.54	22.58	22.27	22.7	2		
10	64QAM	1	49	22.51	22.05	22.33				
10	64QAM	25	0	21.18	21.19	21.26				
10	64QAM	25	12	21.23	21.22	21.27	21.7	3		
10	64QAM	25	25	21.29	21.27	21.36				
10	64QAM	50	0	21.14	21.25	21.35				
Channel				23755						
Frequency (MHz)				710						
5	QPSK	1	0	24.13	24.07	24.03	24.7	0		
5	QPSK	1	12	24.27	24.25	24.16				
5	QPSK	1	24	24.08	24.13	24.10				
5	QPSK	12	0	23.18	23.19	23.22	23.7	1		
5	QPSK	12	7	23.18	23.20	23.23				
5	QPSK	12	13	23.19	23.21	23.19				
5	QPSK	25	0	23.15	23.21	23.16	23.7	1		
5	16QAM	1	0	23.04	23.17	23.11				
5	16QAM	1	12	23.16	23.20	23.04				
5	16QAM	1	24	23.11	23.20	23.10	22.7	2		
5	16QAM	12	0	22.01	22.05	21.88				
5	16QAM	12	7	22.08	22.16	21.96				
5	16QAM	12	13	22.21	22.13	22.21	22.7	2		
5	16QAM	25	0	22.14	22.12	22.03				
5	64QAM	1	0	21.82	21.83	21.78				
5	64QAM	1	12	21.96	21.99	21.90	22.7	2		
5	64QAM	1	24	22.09	22.05	22.14				
5	64QAM	12	0	20.94	20.96	21.10				
5	64QAM	12	7	21.06	21.00	21.05	21.7	3		
5	64QAM	12	13	21.04	21.13	21.09				
5	64QAM	25	0	21.03	21.00	21.14				



Band 17_Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel				23760	23790	23810						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	23.26	23.27	23.33	24.7	0				
10	QPSK	1	25	23.38	23.41	23.35						
10	QPSK	1	49	23.29	23.37	23.34						
10	QPSK	25	0	22.49	22.46	22.40	23.7	1				
10	QPSK	25	12	22.56	22.54	22.53						
10	QPSK	25	25	22.42	22.33	22.31						
10	QPSK	50	0	22.50	22.52	22.51	23.7	1				
10	16QAM	1	0	22.45	22.45	22.38						
10	16QAM	1	25	22.39	22.50	22.40						
10	16QAM	1	49	22.33	22.26	22.32	22.7	2				
10	16QAM	25	0	21.52	21.44	21.47						
10	16QAM	25	12	21.30	21.39	21.36						
10	16QAM	25	25	21.52	21.50	21.44	22.7	2				
10	16QAM	50	0	21.48	21.47	21.53						
10	16QAM	1	0	21.46	21.37	21.38						
10	16QAM	1	25	21.23	21.26	21.35	21.7	3				
10	16QAM	1	49	21.49	21.37	21.31						
10	16QAM	25	0	20.43	20.45	20.47						
10	16QAM	25	12	20.34	20.42	20.45	21.7	3				
10	16QAM	25	25	20.47	20.49	20.48						
10	16QAM	50	0	20.48	20.46	20.47						
Channel				23715	23790	23825	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				705.5	710	715.5						
5	QPSK	1	0	23.22	23.24	23.27	24.7	0				
5	QPSK	1	12	23.26	23.31	23.32						
5	QPSK	1	24	23.29	23.36	23.26						
5	QPSK	12	0	22.41	22.37	22.28	23.7	1				
5	QPSK	12	7	22.49	22.50	22.51						
5	QPSK	12	13	22.32	22.32	22.22						
5	QPSK	25	0	22.48	22.43	22.40	23.7	1				
5	16QAM	1	0	22.39	22.44	22.35						
5	16QAM	1	12	22.28	22.38	22.29						
5	16QAM	1	24	22.28	22.17	22.32	22.7	2				
5	16QAM	12	0	21.37	21.39	21.40						
5	16QAM	12	7	21.16	21.31	21.30						
5	16QAM	12	13	21.40	21.35	21.31	22.7	2				
5	16QAM	25	0	21.34	21.35	21.42						
5	16QAM	1	0	21.38	21.37	21.27						
5	16QAM	1	12	21.11	21.23	21.28	22.7	2				
5	16QAM	1	24	21.45	21.32	21.32						
5	16QAM	12	0	20.34	20.40	20.28						
5	16QAM	12	7	20.21	20.39	20.38	21.7	3				
5	16QAM	12	13	20.42	20.39	20.32						
5	16QAM	25	0	20.33	20.36	20.45						

Band 26(FCC)_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)				
Channel				26765	26865	26965						
Frequency (MHz)				821.5	831.5	841.5						
15	QPSK	1	0	24.12	24.18	24.13	24.6	0				
15	QPSK	1	37	24.24	24.30	24.21						
15	QPSK	1	74	24.11	24.18	24.14						
15	QPSK	36	0	23.11	23.25	23.28	23.6	1				
15	QPSK	36	20	23.24	23.30	23.26						
15	QPSK	36	39	23.21	23.27	23.26						
15	QPSK	75	0	23.23	23.27	23.28	23.6	1				
15	16QAM	1	0	23.15	23.23	23.24						
15	16QAM	1	37	23.11	23.25	23.27						
15	16QAM	1	74	23.19	23.16	23.14	22.6	2				
15	16QAM	36	0	22.27	22.30	22.29						
15	16QAM	36	20	22.21	22.28	22.28						
15	16QAM	36	39	22.20	22.27	22.26	22.6	2				
15	16QAM	75	0	22.20	22.22	22.24						
15	16QAM	1	0	22.22	22.28	22.28						
15	16QAM	1	37	22.17	22.22	22.09	22.6	2				
15	16QAM	1	74	22.17	22.26	22.17						
15	16QAM	36	0	21.20	21.25	21.22						
15	16QAM	36	20	21.07	21.23	21.18	21.6	3				
15	16QAM	36	39	21.11	21.19	21.18						
15	16QAM	75	0	21.07	21.23	21.19						
Channel				26740	26865	26990	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				815.5	831.5	848						
10	QPSK	1	0	23.98	24.04	23.98	24.6	0				
10	QPSK	1	25	24.20	24.23	24.12						
10	QPSK	1	49	24.03	24.07	24.07						
10	QPSK	25	0	23.04	23.19	23.19	23.6	1				
10	QPSK	25	12	23.13	23.15	23.25						
10	QPSK	25	25	23.15	23.13	23.20						
10	QPSK	50	0	23.21	23.22	23.12	23.6	1				
10	16QAM	1	0	23.07	23.13	23.11						
10	16QAM	1	25	23.12	23.15	23.21						
10	16QAM	1	49	23.08	23.05	23.09	22.6	2				
10	16QAM	25	0	22.23	22.22	22.25						
10	16QAM	25	12	22.08	22.19	22.21						
10	16QAM	25	25	22.10	22.17	22.28	22.6	2				
10	16QAM	50	0	22.15	22.19	22.09						
10	16QAM	1	0	22.19	22.21	22.12						
10	16QAM	1	25	22.05	22.08	22.03	22.6	2				
10	16QAM	1	49	22.12	22.15	22.08						
10	16QAM	25	0	21.08	21.15	21.08						
10	16QAM	25	12	20.97	21.18	21.08	21.6	3				
10	16QAM	25	25	20.99	21.13	21.03						
10	16QAM	50	0	21.03	21.08	21.15						
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	24.09	24.08	24.01	24.6	0				
5	QPSK	1	12	24.10	24.19	24.10						
5	QPSK	1	24	24.01	24.07	24.00						
5	QPSK	12	0	23.06	23.17	23.14	23.6	1				
5	QPSK	12	7	23.21	23.18	23.18						
5	QPSK	12	13	23.13	23.17	23.13						
5	QPSK	25	0	23.09	23.12	23.13	23.6	1				
5	16QAM	1	0	23.08	23.21	23.17						
5	16QAM	1	12	23.07	23.18	23.15						
5	16QAM	1	24	23.11	23.14	23.00	22.6	2				
5	16QAM	12	0	22.14	22.28	22.26						
5	16QAM	12	7	22.15	22.24	22.20						
5	16QAM	12	13	22.17	22.16	22.13	22.6	2				
5	16QAM	25	0	22.19	22.12	22.18						
5	16QAM	1	0	22.19	22.28	22.10						
5	16QAM	1	12	22.02	22.12	22.06	21.6	3				
5	16QAM	1	24	22.08	22.24	22.09						
5	16QAM	12	0	21.05	21.15	21.15						
5	16QAM	12	7	20.99	21.08	21.15	21.6	3				
5	16QAM	12	13	21.10	21.12	21.08						
5	16QAM	25	0	20.98	21.12	21.15						
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)				
Frequency (MHz)				815.5	831.5	846.5						
3	QPSK	1	0	24.02	24.07	24.09	24.6	0				
3	QPSK	1	8	24.09	24.19	24.19						
3	QPSK	1	14	23.99	24.13	24.00						
3	QPSK	8	0	23.00	23.11	23.24	23.6	1				
3	QPSK	8	4	23.21	23.19	23.21						
3	QPSK	8	7	23.16	23.20	23.11						
3	QPSK	15	0	23.10	23.15	23.23	23.6	1				
3	16QAM	1	0	23.07	23.18	23.18						
3	16QAM	1	8	23.03	23.22	23.25						
3	16QAM	1	14	23.11	23.04	23.03						



Band 66_Ant 3										
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										
Frequency (MHz)				132072	132322	132572				
20	QPSK	1	0	23.56	23.62	23.56	24.3	0		
20	QPSK	1	49	23.61	23.71	23.68				
20	QPSK	1	99	23.62	23.65	23.57				
20	QPSK	50	0	22.80	22.71	22.71	23.3	1		
20	QPSK	50	24	22.82	22.78	22.82				
20	QPSK	50	50	22.67	22.70	22.84				
20	QPSK	100	0	22.59	22.75	22.74				
20	16QAM	1	0	22.70	22.80	22.82				
20	16QAM	1	49	22.67	22.83	22.82	23.3	1		
20	16QAM	1	99	22.65	22.72	22.76				
20	16QAM	50	0	21.63	21.84	21.89				
20	16QAM	50	24	21.69	21.77	21.73	22.3	2		
20	16QAM	50	50	21.67	21.81	21.74				
20	16QAM	100	0	21.69	21.74	21.74				
20	64QAM	1	0	21.62	21.77	21.67				
20	64QAM	1	49	21.71	21.72	21.78	22.3	2		
20	64QAM	1	99	21.58	21.79	21.71				
20	64QAM	50	0	20.58	20.76	20.71				
20	64QAM	50	24	20.61	20.85	20.63	21.3	3		
20	64QAM	50	50	20.64	20.73	20.73				
20	64QAM	100	0	20.61	20.73	20.68				
Channel										
Frequency (MHz)				132072	132322	132572				
15	QPSK	1	0	23.53	23.61	23.44	24.3	0		
15	QPSK	1	37	23.48	23.58	23.58				
15	QPSK	1	74	23.40	23.53	23.51				
15	QPSK	36	0	22.53	22.60	22.82	23.3	1		
15	QPSK	36	20	22.62	22.74	22.54				
15	QPSK	36	39	22.62	22.64	22.54				
15	QPSK	75	0	22.58	22.68	22.86				
15	16QAM	1	0	22.55	22.79	22.50	23.3	1		
15	16QAM	1	37	22.57	22.78	22.69				
15	16QAM	1	74	22.59	22.67	22.81				
15	16QAM	36	0	21.48	21.79	21.60				
15	16QAM	36	20	21.63	21.64	21.89	22.3	2		
15	16QAM	36	39	21.54	21.78	21.88				
15	16QAM	75	0	21.59	21.63	21.61				
15	64QAM	1	0	21.49	21.74	21.57				
15	64QAM	1	37	21.68	21.59	21.72	22.3	2		
15	64QAM	1	74	21.62	21.67	21.69				
15	64QAM	36	0	20.57	20.75	20.88				
15	64QAM	36	20	20.58	20.71	20.48	21.3	3		
15	64QAM	36	39	20.58	20.67	20.66				
15	64QAM	75	0	20.56	20.62	20.66				
Channel										
Frequency (MHz)				132022	132322	132622				
10	QPSK	1	0	23.46	23.61	23.44	24.3	0		
10	QPSK	1	25	23.58	23.67	23.59				
10	QPSK	1	49	23.40	23.62	23.48				
10	QPSK	25	0	22.58	22.64	22.62	23.3	1		
10	QPSK	25	12	22.58	22.70	22.68				
10	QPSK	25	25	22.62	22.61	22.56				
10	QPSK	50	0	22.49	22.60	22.84				
10	16QAM	1	0	22.57	22.79	22.50	23.3	1		
10	16QAM	1	25	22.55	22.80	22.63				
10	16QAM	1	49	22.60	22.62	22.66				
10	16QAM	25	0	21.51	21.71	21.66				
10	16QAM	25	12	21.66	21.68	21.87	22.3	2		
10	16QAM	25	25	21.63	21.70	21.85				
10	16QAM	50	0	21.48	21.63	21.60				
10	64QAM	1	0	21.48	21.63	21.60	22.3	2		
10	64QAM	1	25	21.64	21.65	21.89				
10	64QAM	1	49	21.45	21.71	21.63				
10	64QAM	25	0	20.52	20.70	20.61				
10	64QAM	25	12	20.59	20.83	20.57	21.3	3		
10	64QAM	25	25	20.54	20.64	20.67				
10	64QAM	50	0	20.53	20.72	20.57				
Channel										
Frequency (MHz)				131979	132322	132647				
5	QPSK	1	0	23.42	23.57	23.50	24.3	0		
5	QPSK	1	12	23.58	23.57	23.53				
5	QPSK	1	24	23.50	23.63	23.56				
5	QPSK	12	0	22.51	22.61	22.84	23.3	1		
5	QPSK	12	7	22.61	22.67	22.56				
5	QPSK	12	13	22.58	22.69	22.55				
5	QPSK	25	0	22.49	22.61	22.59				
5	16QAM	1	0	22.67	22.78	22.58	23.3	1		
5	16QAM	1	12	22.66	22.77	22.67				
5	16QAM	1	24	22.53	22.64	22.67				
5	16QAM	12	0	21.58	21.80	21.55				
5	16QAM	12	7	21.62	21.67	21.85	22.3	2		
5	16QAM	12	13	21.52	21.69	21.72				
5	16QAM	25	0	21.68	21.61	21.70				
5	64QAM	1	0	21.57	21.70	21.52	22.3	2		
5	64QAM	1	12	21.64	21.58	21.74				
5	64QAM	1	24	21.45	21.68	21.61				
5	64QAM	12	0	20.45	20.64	20.80				
5	64QAM	12	7	20.53	20.75	20.48	21.3	3		
5	64QAM	12	13	20.54	20.59	20.88				
5	64QAM	25	0	20.53	20.73	20.64				
Channel										
Frequency (MHz)				131979	132322	132657				
3	QPSK	1	0	23.50	23.47	23.42	24.3	0		
3	QPSK	1	8	23.56	23.62	23.59				
3	QPSK	1	14	23.48	23.61	23.44				
3	QPSK	8	0	22.56	22.69	22.73	23.3	1		
3	QPSK	8	4	22.58	22.74	22.65				
3	QPSK	8	7	22.61	22.55	22.81				
3	QPSK	15	0	22.49	22.61	22.72				
3	16QAM	1	0	22.61	22.67	22.80	23.3	1		
3	16QAM	1	8	22.62	22.70	22.62				
3	16QAM	1	14	22.57	22.57	22.73				
3	16QAM	8	0	21.61	21.77	21.58				
3	16QAM	8	4	21.67	21.63	21.61	22.3	2		
3	16QAM	8	7	21.63	21.79	21.85				
3	16QAM	15	0	21.57	21.71	21.61				
3	64QAM	1	0	21.54	21.66	21.55	22.3	2		
3	64QAM	1	8	21.67	21.62	21.74				
3	64QAM	1	14	21.58	21.78	21.58				
3	64QAM	8	0	20.55	20.70	20.60				
3	64QAM	8	4	20.52	20.72	20.49	21.3	3		
3	64QAM	8	7	20.62	20.62	20.86				
3	64QAM	15	0	20.55	20.72	20.57				
Channel										
Frequency (MHz)				131979	132322	132655				
1.4	QPSK	1	0	23.53	23.46	23.52	24.3	0		
1.4	QPSK	1	3	23.58	23.70	23.57				
1.4	QPSK	1	5	23.43	23.52	23.55				
1.4	QPSK	3	0	23.40	23.38	23.46				
1.4	QPSK	3	1	23.51	23.57	23.42	23.3	1		
1.4	QPSK	3	3	23.38	23.47	23.44				
1.4	QPSK	6	0	22.57	22.70	22.69				
1.4	16QAM	1	0	22.57	22.77	22.53	23.3	1		
1.4	16QAM	1	3	22.64	22.75	22.82				
1.4	16QAM	1	5	22.64	22.80	22.48				
1.4	16QAM	3	0	22.42	22.64	22.64	23.3	1		
1.4	16QAM	3	1	22.60	22.69	22.56				
1.4	16QAM	3	3	22.52	22.68	22.56				
1.4	16QAM	6	0	21.57	21.66	21.70	22.3	2		
1.4	64QAM	1	0	21.53	21.85	21.56				
1.4	64QAM	1	3	21.68	21.60	21.60	22.3	2		
1.4	64QAM	1	5	21.44	21.75	21.75				
1.4	64QAM	3	0	21.38	21.80	21.42				
1.4	64QAM	3	1	21.66	21.58	21.65	22.3	2		
1.4	64QAM	3	3	21.36	21.89	21.56				
1.4	64QAM	6	0	20.53	20.72	20.63	2			



Band 38_Ant 3										
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				37650	38000	38150				
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	0	22.84	23.00	23.04				
20	QPSK	1	49	23.15	23.25	23.33	24.4	0		
20	QPSK	1	99	23.13	23.14	23.21				
20	QPSK	50	0	22.10	22.22	22.25				
20	QPSK	50	24	22.22	22.27	22.25	23.4	1		
20	QPSK	50	50	22.19	22.13	22.23				
20	QPSK	100	0	22.10	22.20	22.12				
20	16QAM	1	0	22.05	22.14	22.19				
20	16QAM	1	49	22.20	22.12	22.18	23.4	1		
20	16QAM	1	99	22.11	22.07	22.21				
20	16QAM	50	0	21.05	21.11	21.15				
20	16QAM	50	24	21.13	21.17	21.20	22.4	2		
20	16QAM	50	50	21.15	21.22	21.21				
20	16QAM	100	0	21.09	21.13	21.23				
20	64QAM	1	0	21.02	21.10	21.08				
20	64QAM	1	49	21.03	21.09	21.10	22.4	2		
20	64QAM	1	99	21.14	21.07	21.07				
20	64QAM	50	0	20.96	20.19	20.23				
20	64QAM	50	24	20.14	20.26	20.28	21.4	3		
20	64QAM	50	50	20.25	20.21	20.21				
20	64QAM	100	0	20.17	20.23	20.26				
Channel				37625	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.76	22.94	22.98				
15	QPSK	1	37	23.05	23.22	23.13	24.4	0		
15	QPSK	1	74	23.09	23.12	23.19				
15	QPSK	36	0	22.09	22.10	22.15				
15	QPSK	36	20	22.08	22.14	22.19	23.4	1		
15	QPSK	36	39	22.07	22.00	22.08				
15	QPSK	75	0	22.05	22.09	22.11				
15	16QAM	1	0	21.90	22.10	22.13				
15	16QAM	1	37	22.15	21.99	22.09	23.4	1		
15	16QAM	1	74	22.09	22.02	22.18				
15	16QAM	36	0	20.98	21.01	21.02				
15	16QAM	36	20	21.00	21.10	21.12	22.4	2		
15	16QAM	36	39	21.02	21.20	21.20				
15	16QAM	75	0	21.05	21.10	21.14				
15	64QAM	1	0	20.87	21.09	20.94				
15	64QAM	1	37	21.00	20.98	21.01	22.4	2		
15	64QAM	1	74	21.01	20.93	20.99				
15	64QAM	36	0	19.92	20.05	20.20				
15	64QAM	36	20	20.11	20.24	20.27	21.4	3		
15	64QAM	36	39	20.21	20.06	20.08				
15	64QAM	75	0	20.07	20.16	20.24				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.72	22.91	22.99				
10	QPSK	1	25	23.03	23.11	23.17	24.4	0		
10	QPSK	1	49	23.04	23.09	23.20				
10	QPSK	25	0	22.05	22.20	22.13				
10	QPSK	25	12	22.15	22.26	22.24	23.4	1		
10	QPSK	25	25	22.04	22.12	22.12				
10	QPSK	50	0	21.98	22.09	22.07				
10	16QAM	1	0	21.90	22.00	22.18				
10	16QAM	1	25	22.16	21.98	22.17	23.4	1		
10	16QAM	1	49	22.03	21.92	22.09				
10	16QAM	25	0	20.92	20.96	21.10				
10	16QAM	25	12	21.02	21.09	21.16	22.4	2		
10	16QAM	25	25	21.00	21.07	21.18				
10	16QAM	50	0	20.96	21.11	21.17				
10	64QAM	1	0	20.97	20.99	20.99				
10	64QAM	1	25	20.93	21.02	21.14	22.4	2		
10	64QAM	1	49	21.04	20.92	21.06				
10	64QAM	25	0	20.02	20.14	20.16				
10	64QAM	25	12	20.10	20.16	20.15	21.4	3		
10	64QAM	25	25	20.20	20.13	20.09				
10	64QAM	50	0	20.10	20.10	20.16				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.69	22.96	22.99				
5	QPSK	1	12	23.12	23.20	23.16	24.4	0		
5	QPSK	1	24	23.04	23.11	23.14				
5	QPSK	12	0	22.00	22.18	22.18				
5	QPSK	12	7	22.21	22.23	22.25	23.4	1		
5	QPSK	12	13	22.12	21.99	22.18				
5	QPSK	25	0	21.96	22.07	22.03				
5	16QAM	1	0	21.96	22.00	22.05	23.4	1		
5	16QAM	1	12	22.15	22.06	22.13				
5	16QAM	1	24	22.05	21.92	22.08	22.4	2		
5	16QAM	12	0	21.03	21.08	21.03				
5	16QAM	12	7	20.90	21.08	21.15	22.4	2		
5	16QAM	12	13	21.04	21.11	21.12				
5	16QAM	25	0	20.96	21.05	21.09				
5	64QAM	1	0	20.92	21.08	21.04				
5	64QAM	1	12	21.00	21.07	21.03	22.4	2		
5	64QAM	1	24	21.13	21.00	20.93				
5	64QAM	12	0	19.97	20.10	20.09				
5	64QAM	12	7	20.02	20.17	20.26	21.4	3		
5	64QAM	12	13	20.12	20.12	20.11				
5	64QAM	25	0	20.09	20.11	20.20				

Band 38_Ant 0										
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	23.80	23.88	23.90				
20	QPSK	1	49	24.02	24.08	24.07	24.4	0		
20	QPSK	1	99	24.01	23.99	24.06				
20	QPSK	50	0	22.92	22.98	22.97				
20	QPSK	50	24	23.06	23.07	23.04	23.4	1		
20	QPSK	50	50	23.03	23.02	23.03				
20	QPSK	100	0	22.95	23.00	22.98				
20	16QAM	1	0	22.89	22.96	22.89				
20	16QAM	1	49	23.11	23.11	23.12	23.4	1		
20	16QAM	1	99	23.03	22.95	22.97				
20	16QAM	50	0	21.94	21.98	22.00				
20	16QAM	50	24	22.01	22.06	22.07	22.4	2		
20	16QAM	50	50	22.05	22.01	22.05				
20	16QAM	100	0	21.96	22.00	22.00				
20	64QAM	1	0	21.47	21.56	21.51				
20	64QAM	1	49	21.70	21.78	21.83	22.4	2		
20	64QAM	1	99	21.73	21.66	21.70				
20	64QAM	50	0	20.92	20.96	20.96				
20	64QAM	50	24	20.96	21.00	21.00	21.4	3		
20	64QAM	50	50	21.01	20.98	21.00				
20	64QAM	100	0	20.89	20.93	20.97				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.77	23.87	23.77				
15	QPSK	1	37	24.02	24.06	24.07	24.4	0		
15	QPSK	1	74	23.99	23.88	24.03				
15	QPSK	36	0	22.77	22.92	22.93				
15	QPSK	36	20	22.93	23.03	22.93	23.4	1		
15	QPSK	36	39	23.02	22.91	22.88				
15	QPSK	75	0	22.81	22.96	22.83				
15	16QAM	1	0	22.88	22.83	22.89				
15	16QAM	1	37	23.05	23.11	23.02	23.4	1		
15	16QAM	1	74	22.96	22.82	22.82				
15	16QAM	36	0	21.80	21.91	21.95				
15	16QAM	36	20	22.00	21.91	21.97	22.4	2		
15	16QAM	36	39	22.04	21.9					



Band 41_Ant 3										
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	21.67	21.35	21.42	21.69	21.61	22.8	0
20	QPSK	1	49	21.81	21.38	21.97	21.79	21.78		
20	QPSK	1	99	21.58	21.35	21.89	21.58	21.66		
20	QPSK	50	0	20.69	20.42	20.92	20.55	20.72	21.8	1
20	QPSK	50	24	20.71	20.51	21.02	20.72	20.80		
20	QPSK	50	50	20.68	20.46	20.95	20.62	20.75		
20	QPSK	100	0	20.68	20.44	20.69	20.61	20.68	21.8	1
20	16QAM	1	0	20.67	20.36	20.52	20.83	20.63		
20	16QAM	1	49	20.69	20.48	20.60	20.92	20.66		
20	16QAM	1	99	20.61	20.38	20.50	20.92	20.60	20.8	2
20	16QAM	50	0	19.73	19.48	19.61	19.91	19.72		
20	16QAM	50	24	19.78	19.51	19.66	20.05	19.81		
20	16QAM	50	50	19.71	19.48	19.67	19.95	19.77	20.8	2
20	16QAM	100	0	19.70	19.44	19.63	19.92	19.75		
20	64QAM	1	0	19.67	19.39	19.50	19.86	19.59		
20	64QAM	1	49	19.74	19.37	19.56	19.96	19.66	19.8	3
20	64QAM	1	99	19.59	19.37	19.54	19.83	19.70		
20	64QAM	50	0	18.89	18.42	18.56	18.87	18.70		
20	64QAM	50	24	18.70	18.38	18.63	18.98	18.77	19.8	3
20	64QAM	50	50	18.89	18.43	18.64	18.93	18.76		
20	64QAM	100	0	18.82	18.40	18.61	18.86	18.69		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.56	21.28	21.37	21.62	21.56	22.8	0
15	QPSK	1	37	21.79	21.36	21.67	21.82	21.67		
15	QPSK	1	74	21.46	21.28	21.45	21.86	21.58		
15	QPSK	36	0	20.61	20.37	20.40	20.80	20.67	21.8	1
15	QPSK	36	20	20.79	20.40	20.59	21.01	20.67		
15	QPSK	36	39	20.57	20.44	20.54	20.90	20.65		
15	QPSK	75	0	20.64	20.40	20.56	20.62	20.56	21.8	1
15	16QAM	1	0	20.63	20.35	20.49	20.73	20.61		
15	16QAM	1	37	20.57	20.33	20.55	20.87	20.51		
15	16QAM	1	74	20.52	20.36	20.43	20.83	20.56	20.8	2
15	16QAM	36	0	19.64	19.46	19.48	19.89	19.71		
15	16QAM	36	20	19.70	19.44	19.54	19.96	19.67		
15	16QAM	36	39	19.59	19.40	19.59	19.98	19.68	20.8	2
15	16QAM	75	0	19.57	19.37	19.60	19.84	19.62		
15	64QAM	1	0	19.66	19.36	19.41	19.78	19.55		
15	64QAM	1	37	19.72	19.23	19.52	19.83	19.64	19.8	3
15	64QAM	1	74	19.45	19.31	19.48	19.78	19.50		
15	64QAM	36	0	18.61	18.29	18.48	18.81	18.67		
15	64QAM	36	20	18.55	18.28	18.57	18.87	18.65	19.8	3
15	64QAM	36	39	18.59	18.38	18.56	18.83	18.66		
15	64QAM	75	0	18.48	18.37	18.48	18.80	18.56		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.52	21.28	21.32	21.57	21.60	22.8	0
10	QPSK	1	25	21.78	21.33	21.74	21.85	21.67		
10	QPSK	1	49	21.43	21.26	21.46	21.83	21.52		
10	QPSK	25	0	20.57	20.35	20.54	20.84	20.59	21.8	1
10	QPSK	25	12	20.77	20.43	20.62	20.91	20.73		
10	QPSK	25	25	20.53	20.34	20.55	20.87	20.64		
10	QPSK	50	0	20.60	20.33	20.51	20.54	20.56	21.8	1
10	16QAM	1	0	20.60	20.23	20.50	20.76	20.55		
10	16QAM	1	25	20.54	20.45	20.49	20.82	20.53		
10	16QAM	1	49	20.54	20.29	20.49	20.78	20.57	20.8	2
10	16QAM	25	0	19.68	19.46	19.46	19.80	19.63		
10	16QAM	25	12	19.77	19.37	19.57	19.94	19.67		
10	16QAM	25	25	19.57	19.37	19.57	19.81	19.72	20.8	2
10	16QAM	50	0	19.66	19.42	19.56	19.87	19.60		
10	64QAM	1	0	19.61	19.28	19.37	19.77	19.48		
10	64QAM	1	25	19.65	19.24	19.52	19.89	19.59	19.8	3
10	64QAM	1	49	19.48	19.26	19.43	19.70	19.56		
10	64QAM	25	0	18.58	18.38	18.51	18.86	18.67		
10	64QAM	25	12	18.69	18.31	18.62	18.85	18.66	21.8	1
10	64QAM	25	25	18.64	18.28	18.54	18.90	18.74		
10	64QAM	50	0	18.51	18.31	18.57	18.73	18.56		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.66	21.31	21.35	21.62	21.50	22.8	0
5	QPSK	1	12	21.78	21.26	21.76	21.91	21.67		
5	QPSK	1	24	21.55	21.32	21.46	21.77	21.61		
5	QPSK	12	0	20.62	20.40	20.53	20.82	20.71	21.8	1
5	QPSK	12	7	20.78	20.50	20.55	21.01	20.66		
5	QPSK	12	13	20.61	20.42	20.55	20.88	20.72		
5	QPSK	25	0	20.53	20.42	20.57	20.55	20.63	21.8	1
5	16QAM	1	0	20.64	20.25	20.40	20.80	20.61		
5	16QAM	1	12	20.61	20.46	20.51	20.89	20.54		
5	16QAM	1	24	20.57	20.33	20.47	20.77	20.51	20.8	2
5	16QAM	12	0	19.62	19.34	19.59	19.83	19.64		
5	16QAM	12	7	19.63	19.49	19.60	19.91	19.67		
5	16QAM	12	13	19.70	19.38	19.63	19.84	19.63	20.8	2
5	16QAM	25	0	19.56	19.34	19.55	19.83	19.62		
5	64QAM	1	0	19.53	19.30	19.49	19.71	19.53		
5	64QAM	1	12	19.63	19.23	19.47	19.85	19.64	19.8	3
5	64QAM	1	24	19.50	19.29	19.44	19.80	19.63		
5	64QAM	12	0	18.65	18.35	18.55	18.83	18.61		
5	64QAM	12	7	18.57	18.36	18.61	18.97	18.64	21.8	1
5	64QAM	12	13	18.68	18.29	18.56	18.83	18.69		
5	64QAM	25	0	18.47	18.27	18.50	18.81	18.63		

Band 41 (HPUE)_Ant 3										
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	24.69	24.31	24.70	24.53	24.61	25.8	0
20	QPSK	1	49	24.70	24.41	24.71	24.62	24.69		
20	QPSK	1	99	24.62	24.29	24.69	24.61	24.60		
20	QPSK	50	0	23.65	23.33	23.69	23.57	23.66	24.8	1
20	QPSK	50	24	23.69	23.38	23.74	23.70	23.67		
20	QPSK	50	50	23.66	23.35	23.69	23.50	23.59		
20	QPSK	100	0	23.61	23.28	23.63	23.62	23.58	24.8	1
20	16QAM	1	0	23.58	23.36	23.49	23.70	23.56		
20	16QAM	1	49	23.66	23.38	23.48	23.73	23.54		
20	16QAM	1	99	23.70	23.37	23.50	23.71	23.60	23.8	2
20	16QAM	50	0	22.71	22.40	22.54	22.73	22.59		
20	16QAM	50	24	22.70	22.27	22.47	22.73	22.54		
20	16QAM	50	50	22.66	22.30	22.53	22.74	22.57	23.8	2
20	16QAM	100	0	22.64	22.31	22.50	22.80	22.64		
20	64QAM	1	0	22.70	22.39	22.61	22.67	22.68		
20	64QAM	1	49	22.59	22.39	22.59	22.66	22.64	22.8	3
20	64QAM	1	99	22.66	22.27	22.49	22.75	22.61		
20	64QAM	50	0	21.71	21.28	21.49	21.67	21.63		
20	64QAM	50	24	21.65	21.40	21.58	21.79	21.54	22.8	3
20	64QAM	50	50	21.62	21.37	21.57	21.68	21.66		
20	64QAM	100	0	21.60	21.35	21.52	21.77	21.67		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.61	24.19	24.38	24.58	24.59	25.8	0
15	QPSK	1	37	24.70	24.32	24.57	24.63			



Band 41_Ant 0										
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	22.49	22.17	22.45	22.32	22.25	22.8	0
20	QPSK	1	49	22.58	22.38	22.62	22.59	22.47		
20	QPSK	1	99	22.38	22.25	22.58	22.44	22.40		
20	QPSK	50	0	21.52	21.31	21.63	21.46	21.38	21.8	1
20	QPSK	50	24	21.55	21.39	21.65	21.59	21.46		
20	QPSK	50	50	21.46	21.38	21.61	21.52	21.44		
20	QPSK	100	0	21.47	21.34	21.53	21.50	21.39	21.8	1
20	16QAM	1	0	21.39	21.18	21.31	21.49	21.35		
20	16QAM	1	49	21.42	21.35	21.55	21.58	21.40		
20	16QAM	1	99	21.40	21.24	21.37	21.55	21.40	20.8	2
20	16QAM	50	0	20.54	20.31	20.47	20.64	20.32		
20	16QAM	50	24	20.55	20.35	20.53	20.66	20.43		
20	16QAM	50	50	20.51	20.36	20.52	20.59	20.43	20.8	2
20	16QAM	100	0	20.47	20.30	20.50	20.67	20.36		
20	64QAM	1	0	20.40	20.25	20.45	20.60	20.29		
20	64QAM	1	49	20.52	20.24	20.45	20.59	20.32	20.8	2
20	64QAM	1	99	20.41	20.21	20.44	20.52	20.29		
20	64QAM	50	0	19.80	19.26	19.45	19.56	19.32		
20	64QAM	50	24	19.53	19.30	19.51	19.63	19.40	19.8	3
20	64QAM	50	50	19.48	19.34	19.51	19.58	19.42		
20	64QAM	100	0	19.47	19.28	19.45	19.57	19.37		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.36	22.07	22.20	22.41	22.15	22.8	0
15	QPSK	1	37	22.47	22.25	22.52	22.48	22.36		
15	QPSK	1	74	22.23	22.24	22.37	22.47	22.39		
15	QPSK	36	0	21.47	21.20	21.40	21.55	21.38	21.8	1
15	QPSK	36	20	21.48	21.24	21.49	21.53	21.45		
15	QPSK	36	39	21.40	21.25	21.50	21.50	21.43		
15	QPSK	75	0	21.39	21.28	21.40	21.48	21.24	21.8	1
15	16QAM	1	0	21.38	21.07	21.25	21.47	21.22		
15	16QAM	1	37	21.36	21.23	21.48	21.52	21.38		
15	16QAM	1	74	21.26	21.20	21.35	21.41	21.29	20.8	2
15	16QAM	36	0	20.50	20.23	20.34	20.51	20.29		
15	16QAM	36	20	20.41	20.24	20.41	20.56	20.34		
15	16QAM	36	39	20.37	20.29	20.37	20.45	20.42	20.8	2
15	16QAM	75	0	20.34	20.26	20.47	20.55	20.21		
15	64QAM	1	0	20.32	20.24	20.33	20.56	20.15		
15	64QAM	1	37	20.39	20.15	20.42	20.44	20.29	20.8	2
15	64QAM	1	74	20.28	20.10	20.32	20.40	20.29		
15	64QAM	36	0	19.49	19.13	19.34	19.50	19.27		
15	64QAM	36	20	19.44	19.29	19.38	19.58	19.31	19.8	3
15	64QAM	36	39	19.33	19.28	19.40	19.45	19.40		
15	64QAM	75	0	19.35	19.14	19.35	19.44	19.32		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.39	22.08	22.19	22.34	22.11	22.8	0
10	QPSK	1	25	22.49	22.27	22.58	22.60	22.32		
10	QPSK	1	49	22.31	22.20	22.32	22.57	22.28		
10	QPSK	25	0	21.46	21.24	21.33	21.54	21.29	21.8	1
10	QPSK	25	12	21.46	21.24	21.53	21.61	21.33		
10	QPSK	25	25	21.40	21.29	21.39	21.55	21.38		
10	QPSK	50	0	21.35	21.26	21.38	21.54	21.26	21.8	1
10	16QAM	1	0	21.25	21.11	21.21	21.40	21.34		
10	16QAM	1	25	21.35	21.23	21.42	21.51	21.27		
10	16QAM	1	49	21.27	21.09	21.24	21.47	21.28	20.8	2
10	16QAM	25	0	20.41	20.29	20.36	20.62	20.19		
10	16QAM	25	12	20.44	20.27	20.48	20.58	20.36		
10	16QAM	25	25	20.42	20.25	20.38	20.56	20.36	20.8	2
10	16QAM	50	0	20.42	20.16	20.47	20.66	20.29		
10	64QAM	1	0	20.25	20.21	20.30	20.55	20.18		
10	64QAM	1	25	20.47	20.21	20.31	20.50	20.20	20.8	2
10	64QAM	1	49	20.38	20.07	20.41	20.45	20.22		
10	64QAM	25	0	19.42	19.20	19.33	19.46	19.18		
10	64QAM	25	12	19.38	19.29	19.47	19.61	19.29	19.8	3
10	64QAM	25	25	19.44	19.25	19.47	19.45	19.28		
10	64QAM	50	0	19.41	19.18	19.39	19.48	19.27		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.42	22.10	22.24	22.36	22.24	22.8	0
5	QPSK	1	12	22.54	22.34	22.52	22.57	22.32		
5	QPSK	1	24	22.34	22.15	22.29	22.56	22.35		
5	QPSK	12	0	21.37	21.25	21.35	21.56	21.35	21.8	1
5	QPSK	12	7	21.52	21.25	21.52	21.63	21.41		
5	QPSK	12	13	21.37	21.32	21.42	21.56	21.42		
5	QPSK	25	0	21.37	21.30	21.36	21.56	21.28	21.8	1
5	16QAM	1	0	21.26	21.11	21.23	21.42	21.22		
5	16QAM	1	12	21.39	21.20	21.54	21.47	21.37		
5	16QAM	1	24	21.34	21.21	21.34	21.40	21.37	20.8	2
5	16QAM	12	0	20.45	20.20	20.34	20.49	20.26		
5	16QAM	12	7	20.45	20.23	20.48	20.61	20.31		
5	16QAM	12	13	20.40	20.25	20.48	20.50	20.38	20.8	2
5	16QAM	25	0	20.39	20.15	20.39	20.66	20.23		
5	64QAM	1	0	20.33	20.18	20.34	20.50	20.20		
5	64QAM	1	12	20.48	20.10	20.32	20.46	20.27	20.8	2
5	64QAM	1	24	20.27	20.15	20.38	20.38	20.16		
5	64QAM	12	0	19.36	19.22	19.38	19.54	19.28		
5	64QAM	12	7	19.39	19.26	19.42	19.58	19.30	19.8	3
5	64QAM	12	13	19.39	19.29	19.40	19.50	19.37		
5	64QAM	25	0	19.34	19.17	19.44	19.42	19.25		

Band 41 (HPUE)_Ant 0										
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	25.43	25.41	25.50	25.48	25.38	25.8	0
20	QPSK	1	49	25.50	25.58	25.63	25.54	25.53		
20	QPSK	1	99	25.45	25.43	25.26	25.52	25.44		
20	QPSK	50	0	24.71	24.43	24.66	24.62	24.51	24.8	1
20	QPSK	50	24	24.72	24.58	24.78	24.71	24.61		
20	QPSK	50	50	24.59	24.54	24.69	24.70	24.60		
20	QPSK	100	0	24.59	24.48	24.69	24.62	24.50	24.8	1
20	16QAM	1	0	24.64	24.34	24.48	24.68	24.45		
20	16QAM	1	49	24.71	24.43	24.67	24.70	24.48		
20	16QAM	1	99	24.52	24.41	24.69	24.54	24.53	23.8	2
20	16QAM	50	0	23.70	23.41	23.64	23.77	23.54		
20	16QAM	50	24	23.67	23.50	23.68	23.73	23.58		
20	16QAM	50	50	23.64	23.54	23.72	23.77	23.62	23.8	2
20	16QAM	100	0	23.59	23.46	23.62	23.76	23.54		
20	64QAM	1	0	23.61	23.40	23.51	23.70	23.53		
20	64QAM	1	49	23.55	23.42	23.63	23.78	23.44	23.8	2
20	64QAM	1	99	23.61	23.39	23.63	23.74	23.50		
20	64QAM	50	0	22.66	22.40	22.80	22.71	22.50		
20	64QAM	50	24	22.63	22.46	22.64	22.71	22.53	22.8	3
20	64QAM	50	50	22.59	22.52	22.65	22.73	22.54		
20	64QAM	100	0	22.57	22.44	22.61	22.74	22.51		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.61	25.27	25.41	25.43	25.26	25.8	0
15	QPSK	1	37	25.54	25.55	25.58	25.43			



Band 41_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.72	21.35	21.72	21.43	21.67	22.8	0
20	QPSK	1	49	21.75	21.52	21.57	21.58	21.78		
20	QPSK	1	99	21.60	21.37	21.89	21.59	21.65	21.8	1
20	QPSK	50	0	20.75	20.49	20.92	20.56	20.75		
20	QPSK	50	24	20.81	20.50	21.01	20.68	20.81	21.8	1
20	QPSK	50	50	20.72	20.45	20.99	20.65	20.73		
20	QPSK	100	0	20.70	20.43	20.76	20.71	20.75	21.8	1
20	16QAM	1	0	20.63	20.48	20.41	20.84	20.70		
20	16QAM	1	49	20.68	20.37	20.54	20.98	20.72	21.8	1
20	16QAM	1	99	20.71	20.32	20.54	20.93	20.65		
20	16QAM	50	0	19.77	19.46	19.59	19.89	19.84	20.8	2
20	16QAM	50	24	19.85	19.48	19.66	20.01	19.81		
20	16QAM	50	50	19.69	19.44	19.68	19.96	19.76	20.8	2
20	16QAM	100	0	19.72	19.44	19.60	19.96	19.77		
20	64QAM	1	0	19.55	19.28	19.21	19.46	19.44	20.8	2
20	64QAM	1	49	19.59	19.26	19.46	19.54	19.55		
20	64QAM	1	99	19.32	19.08	19.35	19.57	19.36	19.8	3
20	64QAM	50	0	18.70	18.48	18.53	18.81	18.77		
20	64QAM	50	24	18.81	18.48	18.61	18.96	18.74	19.8	3
20	64QAM	50	50	18.73	18.35	18.64	18.94	18.76		
20	64QAM	100	0	18.68	18.47	18.56	18.93	18.70		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.60	21.23	21.34	21.63	21.65	22.8	0
15	QPSK	1	37	21.67	21.48	21.56	21.90	21.75		
15	QPSK	1	74	21.45	21.29	21.48	21.88	21.53	21.8	1
15	QPSK	36	0	20.60	20.34	20.44	20.86	20.63		
15	QPSK	36	20	20.67	20.37	20.59	20.93	20.73	21.8	1
15	QPSK	36	39	20.65	20.36	20.61	20.96	20.69		
15	QPSK	75	0	20.61	20.32	20.65	20.82	20.73	21.8	1
15	16QAM	1	0	20.58	20.43	20.28	20.83	20.82		
15	16QAM	1	37	20.56	20.24	20.46	20.83	20.70	20.8	2
15	16QAM	1	74	20.61	20.21	20.42	20.92	20.58		
15	16QAM	36	0	19.74	19.36	19.45	19.80	19.71	20.8	2
15	16QAM	36	20	19.75	19.46	19.59	19.94	19.66		
15	16QAM	36	39	19.66	19.40	19.62	19.86	19.75	20.8	2
15	16QAM	75	0	19.62	19.34	19.59	19.82	19.74		
15	64QAM	1	0	19.41	18.95	19.18	19.43	19.35	20.8	2
15	64QAM	1	37	19.55	19.13	19.36	19.61	19.47		
15	64QAM	1	74	19.20	19.04	19.23	19.55	19.24	19.8	3
15	64QAM	36	0	18.68	18.42	18.50	18.73	18.67		
15	64QAM	36	20	18.77	18.36	18.48	18.84	18.63	19.8	3
15	64QAM	36	39	18.72	18.20	18.51	18.84	18.69		
15	64QAM	75	0	18.66	18.36	18.44	18.92	18.67		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.66	21.28	21.36	21.59	21.65	22.8	0
10	QPSK	1	25	21.67	21.40	21.60	21.95	21.68		
10	QPSK	1	49	21.59	21.28	21.50	21.84	21.52	21.8	1
10	QPSK	25	0	20.60	20.37	20.42	20.79	20.69		
10	QPSK	25	12	20.74	20.40	20.57	20.93	20.77	21.8	1
10	QPSK	25	25	20.67	20.33	20.52	20.89	20.68		
10	QPSK	50	0	20.55	20.32	20.59	20.84	20.67	21.8	1
10	16QAM	1	0	20.52	20.37	20.36	20.73	20.64		
10	16QAM	1	25	20.62	20.35	20.50	20.92	20.70	20.8	2
10	16QAM	1	49	20.60	20.22	20.49	20.92	20.54		
10	16QAM	25	0	19.71	19.36	19.45	19.85	19.72	20.8	2
10	16QAM	25	12	19.80	19.39	19.59	19.98	19.71		
10	16QAM	25	25	19.62	19.33	19.59	19.93	19.74	20.8	2
10	16QAM	50	0	19.62	19.35	19.54	19.83	19.73		
10	64QAM	1	0	19.50	19.08	19.07	19.40	19.36	20.8	2
10	64QAM	1	25	19.51	19.17	19.31	19.53	19.42		
10	64QAM	1	49	19.26	18.94	19.26	19.48	19.35	19.8	3
10	64QAM	25	0	18.65	18.37	18.41	18.73	18.64		
10	64QAM	25	12	18.71	18.37	18.50	18.83	18.61	19.8	3
10	64QAM	25	25	18.60	18.32	18.55	18.79	18.66		
10	64QAM	50	0	18.58	18.39	18.52	18.91	18.64		
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	21.88	21.34	21.41	21.70	21.66	22.8	0
5	QPSK	1	12	21.68	21.38	21.55	21.96	21.74		
5	QPSK	1	24	21.54	21.26	21.58	21.84	21.53	21.8	1
5	QPSK	12	0	20.69	20.45	20.47	20.83	20.61		
5	QPSK	12	7	20.73	20.38	20.59	20.97	20.70	21.8	1
5	QPSK	12	13	20.70	20.36	20.62	20.95	20.59		
5	QPSK	25	0	20.67	20.28	20.55	20.80	20.74	21.8	1
5	16QAM	1	0	20.57	20.35	20.40	20.79	20.65		
5	16QAM	1	12	20.55	20.22	20.40	20.96	20.58	20.8	2
5	16QAM	1	24	20.63	20.24	20.44	20.85	20.61		
5	16QAM	12	0	19.71	19.44	19.55	19.75	19.71	20.8	2
5	16QAM	12	7	19.79	19.36	19.62	19.87	19.70		
5	16QAM	12	13	19.63	19.29	19.57	19.82	19.63	20.8	2
5	16QAM	25	0	19.65	19.35	19.50	19.82	19.68		
5	64QAM	1	0	19.54	19.05	19.17	19.43	19.36	20.8	2
5	64QAM	1	12	19.47	19.24	19.36	19.56	19.46		
5	64QAM	1	24	19.20	19.02	19.33	19.52	19.24	19.8	3
5	64QAM	12	0	18.55	18.34	18.47	18.75	18.74		
5	64QAM	12	7	18.71	18.42	18.48	18.90	18.65	22.8	3
5	64QAM	12	13	18.66	18.30	18.53	18.93	18.70		
5	64QAM	25	0	18.62	18.34	18.44	18.82	18.61		

Band 41 (HPUE)_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.55	24.35	24.61	24.35	24.59	25.8	0
20	QPSK	1	49	24.71	24.37	24.79	24.57	24.73		
20	QPSK	1	99	24.70	24.30	24.70	24.46	24.70	24.8	1
20	QPSK	50	0	23.64	23.45	23.72	23.63	23.61		
20	QPSK	50	24	23.73	23.55	23.80	23.74	23.75	24.8	1
20	QPSK	50	50	23.67	23.50	23.73	23.72	23.67		
20	QPSK	100	0	23.72	23.46	23.73	23.63	23.68	24.8	1
20	16QAM	1	0	23.63	23.43	23.60	23.69	23.60		
20	16QAM	1	49	23.60	23.51	23.62	23.70	23.63	24.8	1
20	16QAM	1	99	23.56	23.47	23.66	23.60	23.59		
20	16QAM	50	0	22.53	22.46	22.58	22.64	22.53	23.8	2
20	16QAM	50	24	22.77	22.57	22.70	22.76	22.65		
20	16QAM	50	50	22.69	22.47	22.72	22.78	22.69	23.8	2
20	16QAM	100	0	22.64	22.47	22.58	22.58	22.64		
20	64QAM	1	0	22.50	22.44	22.47	22.54	22.52	23.8	2
20	64QAM	1	49	22.63	22.56	22.64	22.72	22.54		
20	64QAM	1	99	22.64	22.32	22.57	22.76	22.56	22.8	3
20	64QAM	50	0	21.60	21.44	21.58	21.65	21.65		
20	64QAM	50	24	21.64	21.53	21.62	21.65	21.61	22.8	3
20	64QAM	50	50	21.68	21.49	21.61	21.63	21.57		
20	64QAM	100	0							



Reduced Power for DSI 1

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.76	32.86	32.81	33.60	23.76	23.86	23.81	24.50
GPRS 1 Tx slot	32.82	32.89	32.84	33.50	23.82	23.89	23.84	24.50
GPRS 2 Tx slots	30.05	29.94	29.91	31.00	24.05	23.94	23.91	25.00
GPRS 3 Tx slots	28.02	27.90	27.88	29.00	23.76	23.64	23.62	24.74
GPRS 4 Tx slots	26.91	26.92	26.82	28.00	23.91	23.92	23.82	25.00
EDGE(GMSK) 1 Tx slot	32.78	32.82	32.76	33.50	23.78	23.82	23.76	24.50
EDGE(GMSK) 2 Tx slots	29.88	29.92	29.86	31.00	23.88	23.92	23.86	25.00
EDGE(GMSK) 3 Tx slots	27.67	27.60	27.70	28.00	23.41	23.54	23.44	24.74
EDGE(GMSK) 4 Tx slots	26.75	26.62	26.78	28.00	23.75	23.82	23.78	25.00
EDGE(BPSK) 1 Tx slot	29.89	29.82	29.82	31.00	23.89	23.82	23.82	18.00
EDGE(BPSK) 2 Tx slots	24.09	24.03	24.00	25.00	19.09	18.03	18.00	19.00
EDGE(BPSK) 3 Tx slots	22.38	22.33	22.33	23.50	18.10	18.07	18.07	19.24
EDGE(BPSK) 4 Tx slots	20.61	20.67	20.62	21.50	17.61	17.67	17.62	18.50

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.03	32.09	32.12	33.00	23.03	23.09	23.12	24.00
GPRS 1 Tx slot	32.12	32.15	32.20	33.00	23.12	23.15	23.20	24.00
GPRS 2 Tx slots	29.38	29.34	29.35	30.50	23.38	23.34	23.35	24.50
GPRS 3 Tx slots	27.34	27.27	27.33	28.50	23.08	23.01	23.07	24.24
GPRS 4 Tx slots	26.30	26.31	26.25	27.50	23.30	23.31	23.25	24.50
EDGE(GMSK) 1 Tx slot	31.96	32.09	31.98	33.00	22.96	23.09	22.98	24.00
EDGE(GMSK) 2 Tx slots	29.16	29.31	29.22	30.50	23.16	23.31	23.22	24.50
EDGE(GMSK) 3 Tx slots	27.16	27.22	27.16	28.50	22.90	22.96	22.90	24.24
EDGE(GMSK) 4 Tx slots	26.20	26.22	26.16	27.50	23.20	23.22	23.16	24.50
EDGE(BPSK) 1 Tx slot	25.94	25.98	26.09	27.00	16.94	16.98	17.09	18.00
EDGE(BPSK) 2 Tx slots	23.05	23.07	23.04	24.00	17.05	17.07	17.04	18.00
EDGE(BPSK) 3 Tx slots	21.38	21.37	21.37	22.50	17.12	17.11	17.11	18.24
EDGE(BPSK) 4 Tx slots	19.73	19.73	19.78	21.00	16.73	16.73	16.78	18.00

Band	WCDMA IV_Ant 3			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	
Rx Channel	9662	9800	9938	9662	9800	9938	9662	9800	
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
3GPP Rel 99	AMR 12.2Kbps	20.14	20.25	20.22	20.90	20.24	20.24	20.21	21.40
3GPP Rel 99	AMR 12.2Kbps	20.15	20.31	20.27	20.90	20.28	20.31	20.29	21.40
3GPP Rel 6	HSDPA Subtest-1	19.06	19.30	19.17	19.80	19.02	19.21	19.20	20.40
3GPP Rel 6	HSDPA Subtest-2	19.94	19.27	19.16	19.90	19.11	19.10	19.10	20.40
3GPP Rel 6	HSDPA Subtest-3	18.58	18.85	18.70	19.40	18.58	18.62	18.75	19.90
3GPP Rel 6	HSDPA Subtest-4	18.54	18.76	18.70	19.40	18.52	18.78	18.81	19.90
3GPP Rel 8	DC-HSDPA Subtest-1	18.98	19.17	19.05	19.90	18.85	19.14	18.99	20.40
3GPP Rel 8	DC-HSDPA Subtest-2	18.97	19.13	19.10	19.90	18.79	19.02	19.06	20.40
3GPP Rel 8	DC-HSDPA Subtest-3	18.43	18.70	18.56	19.40	18.38	18.74	18.66	19.90
3GPP Rel 8	DC-HSDPA Subtest-4	18.40	18.62	18.64	19.40	18.42	18.64	18.57	19.90
3GPP Rel 6	HSUPA Subtest-1	17.22	17.39	17.37	18.00	16.94	17.26	17.28	18.50
3GPP Rel 6	HSUPA Subtest-2	17.23	17.40	17.32	17.80	17.04	17.28	17.30	18.30
3GPP Rel 6	HSUPA Subtest-3	16.13	16.33	16.28	16.90	16.05	16.29	16.30	19.40
3GPP Rel 6	HSUPA Subtest-4	16.73	16.91	16.90	17.40	16.59	16.90	16.89	17.90
3GPP Rel 6	HSUPA Subtest-5	18.10	18.20	18.20	18.80	18.04	18.36	18.18	19.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	16.61	16.77	16.84	17.50	16.49	16.74	16.75	18.00

Band	WCDMA V_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	4132	4162	4233		4132	4162	4233		
TX Channel	4132	4162	4233	4132	4162	4233	4132	4162	
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407	
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4	
3GPP Rel 99	AMR 12.2Kbps	21.54	21.69	21.60	21.90	22.89	22.92	22.91	24.40
3GPP Rel 99	AMR 12.2Kbps	21.65	21.74	21.68	21.90	22.91	22.93	22.92	24.40
3GPP Rel 6	HSDPA Subtest-1	20.68	20.66	20.67	20.90	21.88	21.90	21.86	23.40
3GPP Rel 6	HSDPA Subtest-2	20.65	20.68	20.67	20.90	21.88	21.85	21.88	23.40
3GPP Rel 6	HSDPA Subtest-3	20.21	20.18	20.21	20.40	21.40	21.39	21.41	22.90
3GPP Rel 6	HSDPA Subtest-4	20.15	20.13	20.19	20.40	21.37	21.35	21.39	22.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.56	20.59	20.57	20.90	21.81	21.88	21.79	23.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.50	20.51	20.51	20.90	21.82	21.80	21.79	23.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.14	20.11	20.07	20.40	21.29	21.35	21.34	22.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.00	20.03	20.07	20.40	21.33	21.22	21.27	22.90
3GPP Rel 6	HSUPA Subtest-1	18.63	18.61	18.64	18.80	19.84	19.84	19.86	21.30
3GPP Rel 6	HSUPA Subtest-2	18.66	18.62	18.67	18.80	19.83	19.82	19.86	21.30
3GPP Rel 6	HSUPA Subtest-3	19.66	19.63	19.69	19.80	20.85	20.89	20.87	22.40
3GPP Rel 6	HSUPA Subtest-4	18.15	18.16	18.18	18.30	19.25	19.27	19.25	20.80
3GPP Rel 6	HSUPA Subtest-5	19.60	19.60	19.70	19.80	20.80	20.80	20.90	22.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	18.06	18.02	18.08	18.40	19.52	19.51	19.51	20.90

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	29.37	29.44	29.44	30.20	20.37	20.44	20.44	21.20
GPRS 1 Tx slot	29.45	29.48	29.46	30.20	20.45	20.48	20.46	21.20
GPRS 2 Tx slots	26.92	26.99	26.92	27.70	20.92	20.99	20.92	21.70
GPRS 3 Tx slots	24.74	24.83	24.81	25.50	20.48	20.57	20.55	21.24
GPRS 4 Tx slots	24.38	24.40	24.32	24.80	21.38	21.40	21.32	21.80
EDGE(GMSK) 1 Tx slot	29.28	29.42	29.35	30.20	20.28	20.42	20.35	21.20
EDGE(GMSK) 2 Tx slots	26.84	26.93	26.82	27.70	20.84	20.93	20.82	21.70
EDGE(GMSK) 3 Tx slots	24.68	24.76	24.72	25.50	20.42	20.50	20.46	21.24
EDGE(GMSK) 4 Tx slots	23.71	23.62	23.76	24.80	20.71	20.82	20.76	21.80
EDGE(BPSK) 1 Tx slot	26.33	26.32	26.34	27.00	17.33	17.32	17.34	18.00
EDGE(BPSK) 2 Tx slots	23.01	23.01	23.07	23.80	17.01	17.01	17.07	17.80
EDGE(BPSK) 3 Tx slots	20.55	20.56	20.57	21.30	16.28	16.30	16.31	17.04
EDGE(BPSK) 4 Tx slots	20.02	20.13	20.12	20.80	17.02	17.13	17.12	17.80

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	28.97	28.85	28.68	30.20	19.97	19.85	19.68	21.20
GPRS 1 Tx slot	26.96	26.87	26.89	30.20	19.96	19.87	19.89	21.20
GPRS 2 Tx slots	26.46	26.41	26.33	27.70	20.46	20.41	20.33	21.70
GPRS 3 Tx slots	24.11	24.05	23.93	25.50	19.85	19.79	19.67	21.24
GPRS 4 Tx slots	23.26	23.29	23.18	24.80	20.26	20.29	20.18	21.80
EDGE(GMSK) 1 Tx slot	26.79	26.81	26.74	30.20	19.79	19.81	19.74	21.20
EDGE(GMSK) 2 Tx slots	26.41	26.44	26.30	27.70	20.41	20.44	20.30	21.70
EDGE(GMSK) 3 Tx slots	24.20	24.28	24.14	25.50	19.94	20.02	19.88	21.24
EDGE(GMSK) 4 Tx slots	23.39	23.41	23.30	24.80	20.39	20.41	20.30	21.80
EDGE(BPSK) 1 Tx slot	25.73	25.81	25.79	27.00	16.73	16.81	16.79	18.00
EDGE(BPSK) 2 Tx slots	22.50	22.63	22.54	23.80	16.50	16.63	16.54	17.80
EDGE(BPSK) 3 Tx slots	20.04	20.13	20.03	21.30	15.76	15.87	15.77	17.04
EDGE(BPSK) 4 Tx slots	19.52	19.54	19.52	20.80	16.52	16.54	16.52	17.80



Band 2_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	19.72	19.76	19.71	20.3	0		
20	QPSK	1	49	19.78	19.79	19.73				
20	QPSK	1	99	19.76	19.76	19.72				
20	QPSK	50	0	19.72	19.72	19.62				
20	QPSK	50	24	19.58	19.76	19.78				
20	QPSK	50	50	19.73	19.77	19.72	20.3	0		
20	QPSK	100	0	19.71	19.76	19.74				
20	16QAM	1	0	19.75	19.78	19.73				
20	16QAM	1	49	19.72	19.76	19.78				
20	16QAM	1	99	19.71	19.76	19.68				
20	16QAM	50	0	19.71	19.75	19.74				
20	16QAM	50	24	19.73	19.77	19.72				
20	16QAM	50	50	19.72	19.76	19.76	20.3	0		
20	16QAM	100	0	19.77	19.75	19.70				
20	64QAM	1	0	19.71	19.75	19.75				
20	64QAM	1	49	19.70	19.77	19.68				
20	64QAM	1	99	19.69	19.78	19.78				
20	64QAM	50	0	19.30	19.30	19.21				
20	64QAM	50	24	19.26	19.27	19.21				
20	64QAM	50	50	19.27	19.30	19.20	19.8	0.5		
20	64QAM	100	0	19.23	19.26	19.25				
Channel										
Frequency (MHz)				18675	18800	19125				
15	QPSK	1	0	19.67	19.70	19.69	20.3	0		
15	QPSK	1	37	19.65	19.77	19.71				
15	QPSK	1	74	19.71	19.67	19.67				
15	QPSK	36	0	19.57	19.64	19.61				
15	QPSK	36	20	19.61	19.73	19.68				
15	QPSK	36	39	19.68	19.73	19.58	20.3	0		
15	QPSK	75	0	19.58	19.64	19.61				
15	16QAM	1	0	19.61	19.63	19.61				
15	16QAM	1	74	19.68	19.72	19.73	20.3	0		
15	16QAM	1	74	19.66	19.66	19.58				
15	16QAM	36	0	19.69	19.74	19.71				
15	16QAM	36	20	19.67	19.66	19.69				
15	16QAM	36	39	19.61	19.75	19.62	20.3	0		
15	16QAM	75	0	19.74	19.66	19.69				
15	64QAM	1	0	19.59	19.72	19.62				
15	64QAM	1	37	19.66	19.72	19.53	20.3	0		
15	64QAM	1	74	19.68	19.67	19.72				
15	64QAM	36	0	19.15	19.22	19.07				
15	64QAM	36	20	19.14	19.22	19.11				
15	64QAM	36	39	19.16	19.21	19.19	19.8	0.5		
15	64QAM	75	0	19.22	19.15	19.14				
Channel										
Frequency (MHz)				18655	18800	19150				
10	QPSK	1	0	19.60	19.74	19.62	20.3	0		
10	QPSK	1	25	19.67	19.64	19.65				
10	QPSK	1	49	19.63	19.74	19.70				
10	QPSK	25	0	19.70	19.59	19.50				
10	QPSK	25	12	19.61	19.60	19.67	20.3	0		
10	QPSK	25	25	19.65	19.75	19.67				
10	QPSK	50	0	19.57	19.68	19.67				
10	16QAM	1	0	19.60	19.63	19.65				
10	16QAM	1	25	19.69	19.66	19.67	20.3	0		
10	16QAM	1	49	19.60	19.63	19.60				
10	16QAM	25	0	19.57	19.65	19.64				
10	16QAM	25	12	19.72	19.64	19.65	20.3	0		
10	16QAM	25	25	19.62	19.76	19.68				
10	16QAM	50	0	19.62	19.67	19.58				
10	64QAM	1	0	19.62	19.63	19.60				
10	64QAM	1	25	19.69	19.71	19.59	20.3	0		
10	64QAM	1	49	19.67	19.73	19.76				
10	64QAM	25	0	19.22	19.25	19.08				
10	64QAM	25	12	19.17	19.18	19.06	19.8	0.5		
10	64QAM	25	25	19.17	19.28	19.18				
10	64QAM	50	0	19.22	19.20	19.22				
Channel										
Frequency (MHz)				18625	18600	19175				
5	QPSK	1	0	19.70	19.63	19.63	20.3	0		
5	QPSK	1	12	19.72	19.73	19.58				
5	QPSK	1	24	19.70	19.71	19.71				
5	QPSK	12	0	19.58	19.59	19.54				
5	QPSK	12	7	19.64	19.71	19.70	20.3	0		
5	QPSK	12	13	19.62	19.65	19.62				
5	QPSK	25	0	19.57	19.63	19.68				
5	16QAM	1	0	19.67	19.67	19.61				
5	16QAM	1	12	19.68	19.64	19.72	20.3	0		
5	16QAM	1	24	19.69	19.64	19.64				
5	16QAM	12	0	19.66	19.72	19.66				
5	16QAM	12	7	19.63	19.66	19.68	20.3	0		
5	16QAM	12	13	19.58	19.69	19.70				
5	16QAM	25	0	19.76	19.65	19.68				
5	64QAM	1	0	19.67	19.68	19.61				
5	64QAM	1	12	19.59	19.62	19.57	20.3	0		
5	64QAM	1	24	19.67	19.70	19.74				
5	64QAM	12	0	19.22	19.15	19.18				
5	64QAM	12	7	19.11	19.25	19.06				
5	64QAM	12	13	19.13	19.21	19.17	19.8	0.5		
5	64QAM	25	0	19.26	19.13	19.22				
Channel										
Frequency (MHz)				18615	18600	19185				
3	QPSK	1	0	19.64	19.73	19.67	20.3	0		
3	QPSK	1	8	19.64	19.70	19.60				
3	QPSK	1	14	19.63	19.69	19.69				
3	QPSK	8	0	19.61	19.68	19.50				
3	QPSK	8	4	19.68	19.67	19.68	20.3	0		
3	QPSK	8	7	19.60	19.71	19.59				
3	QPSK	15	0	19.69	19.70	19.59				
3	16QAM	1	0	19.65	19.68	19.63				
3	16QAM	1	8	19.58	19.74	19.76	20.3	0		
3	16QAM	1	14	19.69	19.65	19.56				
3	16QAM	8	0	19.60	19.66	19.71				
3	16QAM	8	4	19.58	19.67	19.67				
3	16QAM	8	7	19.64	19.76	19.61	20.3	0		
3	16QAM	15	0	19.63	19.65	19.68				
3	64QAM	1	0	19.68	19.66	19.60				
3	64QAM	1	8	19.68	19.69	19.60	20.3	0		
3	64QAM	1	14	19.62	19.64	19.64				
3	64QAM	8	0	19.18	19.19	19.15				
3	64QAM	8	4	19.14	19.18	19.08				
3	64QAM	8	7	19.21	19.29	19.19	19.8	0.5		
3	64QAM	15	0	19.21	19.26	19.19				
Channel										
Frequency (MHz)				18607	18600	19193				
1.4	QPSK	1	0	19.63	19.65	19.67	20.3	0		
1.4	QPSK	1	3	19.69	19.68	19.60				
1.4	QPSK	1	5	19.63	19.63	19.71				
1.4	QPSK	3	0	19.60	19.59	19.56				
1.4	QPSK	3	1	19.61	19.68	19.67				
1.4	QPSK	3	3	19.62	19.64	19.67	20.3	0		
1.4	QPSK	6	0	19.59	19.65	19.62				
1.4	16QAM	1	0	19.73	19.76	19.79				
1.4	16QAM	1	3	19.56	19.75	19.75	20.3	0		
1.4	16QAM	1	3	19.60	19.69	19.60				
1.4	16QAM	3	0	19.58	19.67	19.62				
1.4	16QAM	3	1	19.65	19.69	19.63				
1.4	16QAM	3	3	19.67	19.70	19.68	20.3	0		
1.4	16QAM	6	0	19.75	19.71	19.56				
1.4	64QAM	1	0	19.64	19.70	19.71				
1.4	64QAM	1	3	19.56	19.65	19.66				
1.4	64QAM	1	3	19.59	19.77	19.64	20.3	0		
1.4	64QAM	3	0	19.24	19.20	19.17				
1.4	64QAM	3	1	19.25</						



Band 4_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				2050	2075	2030					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	19.88	20.04	19.95	21.3	0			
20	QPSK	1	49	20.03	20.14	20.03					
20	QPSK	1	99	19.91	20.00	19.94					
20	QPSK	50	0	19.96	20.03	19.98					
20	QPSK	50	24	19.98	20.00	19.98					
20	QPSK	50	50	20.01	20.08	19.96					
20	QPSK	100	0	20.00	20.05	19.98					
20	16QAM	1	0	19.97	20.11	19.93					
20	16QAM	1	49	19.89	20.10	19.92					
20	16QAM	1	99	20.01	20.04	19.90					
20	16QAM	50	0	19.93	20.13	19.93					
20	16QAM	50	24	19.97	20.05	19.94					
20	16QAM	50	50	20.01	20.11	19.88					
20	16QAM	100	0	19.88	20.09	19.94					
20	64QAM	1	0	19.99	20.06	19.97					
20	64QAM	1	49	19.96	20.07	19.92					
20	64QAM	1	99	19.96	20.07	19.97					
20	64QAM	50	0	19.92	20.11	19.90					
20	64QAM	50	24	19.93	20.13	19.97					
20	64QAM	50	50	20.01	20.08	19.95					
20	64QAM	100	0	19.96	20.02	19.98					
Channel				2000	2075	2030					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	19.90	19.95	19.80					
15	QPSK	1	37	19.97	20.06	19.94					
15	QPSK	1	74	19.86	19.94	19.85					
15	QPSK	36	0	19.94	19.91	19.88					
15	QPSK	36	20	20.01	19.97	19.91					
15	QPSK	36	39	19.89	20.02	19.89					
15	QPSK	75	0	19.90	19.99	19.95					
15	16QAM	1	0	19.92	20.01	19.91					
15	16QAM	1	37	19.98	20.04	19.88					
15	16QAM	1	74	19.99	20.03	19.77					
15	16QAM	36	0	19.90	20.10	19.85					
15	16QAM	36	20	19.92	19.98	19.92					
15	16QAM	36	39	19.92	20.01	19.80					
15	16QAM	75	0	19.74	20.07	19.93					
15	64QAM	1	0	19.96	19.97	19.95					
15	64QAM	1	37	19.91	19.93	19.71					
15	64QAM	1	74	19.98	20.00	19.84					
15	64QAM	36	0	19.81	20.08	19.89					
15	64QAM	36	20	19.85	20.04	19.92					
15	64QAM	36	39	19.99	20.04	19.82					
15	64QAM	75	0	19.81	19.99	19.84					
Channel				2000	2075	2030					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	19.91	19.98	19.81					
10	QPSK	1	25	19.99	20.00	19.94					
10	QPSK	1	49	19.80	19.88	19.84					
10	QPSK	25	0	19.90	19.90	19.92					
10	QPSK	25	12	19.98	20.06	19.95					
10	QPSK	25	25	19.88	20.02	19.90					
10	QPSK	50	0	19.97	20.01	19.94					
10	16QAM	1	0	19.85	19.98	19.89					
10	16QAM	1	25	19.82	19.99	19.84					
10	16QAM	1	49	19.90	19.95	19.79					
10	16QAM	25	0	19.90	20.02	19.92					
10	16QAM	25	12	19.83	20.03	19.83					
10	16QAM	25	25	19.96	20.04	19.84					
10	16QAM	50	0	19.87	20.00	19.90					
10	16QAM	50	12	19.92	19.95	19.83					
10	16QAM	50	25	19.90	19.93	19.84					
10	16QAM	25	0	19.77	20.05	19.80					
10	16QAM	25	12	19.83	20.02	19.85					
10	16QAM	25	25	19.91	19.93	19.91					
10	16QAM	50	0	19.89	20.01	19.94					
Channel				1997.5	2075	2037.5					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	19.84	19.94	19.84					
5	QPSK	1	12	20.02	20.00	19.95					
5	QPSK	1	24	19.85	19.88	19.81					
5	QPSK	12	0	19.86	19.93	19.88					
5	QPSK	12	7	19.92	19.95	19.92					
5	QPSK	12	13	19.96	19.93	19.82					
5	QPSK	25	0	19.98	20.02	19.85					
5	16QAM	1	0	19.88	20.01	19.89					
5	16QAM	1	12	19.96	19.96	19.79					
5	16QAM	1	24	19.98	19.99	19.86					
5	16QAM	12	0	19.88	20.09	19.84					
5	16QAM	12	7	19.90	19.94	19.87					
5	16QAM	12	13	19.86	20.00	19.75					
5	16QAM	25	0	19.81	19.94	19.81					
5	64QAM	1	0	19.94	20.04	19.89					
5	64QAM	1	12	19.94	20.02	19.91					
5	64QAM	1	24	19.89	19.96	19.84					
5	64QAM	12	0	19.91	20.00	19.86					
5	64QAM	12	7	19.92	20.08	19.90					
5	64QAM	12	13	19.87	20.06	19.83					
5	64QAM	25	0	19.92	19.91	19.97					
Channel				1996.5	2075	2038.5					
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	19.91	19.92	19.94					
3	QPSK	1	8	20.00	20.03	19.90					
3	QPSK	1	14	19.79	19.89	19.85					
3	QPSK	8	0	19.89	20.02	19.87					
3	QPSK	8	4	19.86	20.07	19.87					
3	QPSK	8	7	19.96	19.97	19.94					
3	QPSK	15	0	19.94	19.98	19.92					
3	16QAM	1	0	19.87	19.96	19.83					
3	16QAM	1	8	19.85	19.99	19.87					
3	16QAM	1	14	19.86	20.03	19.78					
3	16QAM	8	0	19.78	19.99	19.83					
3	16QAM	8	4	19.85	20.04	19.86					
3	16QAM	8	7	19.93	20.01	19.77					
3	16QAM	15	0	19.82	19.98	19.84					
3	64QAM	1	0	19.91	20.04	19.83					
3	64QAM	1	8	19.94	19.99	19.87					
3	64QAM	1	14	19.82	19.94	19.96					
3	64QAM	8	0	19.86	20.02	19.77					
3	64QAM	8	4	19.79	19.99	19.88					
3	64QAM	8	7	19.88	20.01	19.84					
3	64QAM	15	0	19.93	19.93	19.83					
Channel				1997	2075	2039					
Frequency (MHz)				1713	1732.5	1743					
1.4	QPSK	1	0	19.83	19.96	19.89					
1.4	QPSK	1	3	20.00	20.00	19.90					
1.4	QPSK	1	5	19.90	19.92	19.91					
1.4	QPSK	3	0	19.86	19.95	19.95					
1.4	QPSK	3	1	20.01	19.98	19.93					
1.4	QPSK	3	3	19.97	19.97	19.84					
1.4	QPSK	6	0	19.91	19.99	19.92					
1.4	16QAM	1	0	19.92	19.99	19.86					
1.4	16QAM	1	3	19.86	20.01	19.89					
1.4	16QAM	1	5	19.98	20.03	19.81					
1.4	16QAM	3	0	19.79	20.12	19.82					
1.4	16QAM	3	1	19.96	20.02	19.81					
1.4	16QAM	3	3	19.87	20.08	19.73					
1.4	16QAM	6	0	19.74	19.95	19.83					
1.4	64QAM	1	0	19.98	19.93	19.89					
1.4	64QAM	1	3	19.81	19.94	19.86					
1.4	64QAM	1	5	19.83	19.92	19.84					
1.4	64QAM	3	0	19.88	19.99	19.76					



Band 5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.17	23.20	23.05	24.5	0			
10	QPSK	1	25	23.20	23.26	23.20					
10	QPSK	1	49	23.08	23.17	23.11					
10	QPSK	25	0	22.21	22.36	22.32	23.5	1			
10	QPSK	25	12	22.30	22.47	22.38					
10	QPSK	25	25	22.33	22.36	22.22					
10	QPSK	50	0	22.42	22.44	22.30	23.5	1			
10	16QAM	1	0	22.29	22.35	22.20					
10	16QAM	1	25	22.24	22.36	22.38					
10	16QAM	1	49	22.27	22.24	22.28	23.5	1			
10	16QAM	25	0	21.09	21.12	21.11					
10	16QAM	25	12	21.19	21.20	21.05					
10	16QAM	25	25	21.08	21.16	21.10	22.5	2			
10	16QAM	50	0	21.11	21.14	21.05					
10	64QAM	1	0	21.30	21.22	21.20					
10	64QAM	1	25	21.25	21.21	21.19	22.5	2			
10	64QAM	1	49	21.17	21.31	21.23					
10	64QAM	25	0	20.08	20.13	20.11					
10	64QAM	25	12	20.13	20.24	20.19	21.5	3			
10	64QAM	25	25	20.19	20.21	20.16					
10	64QAM	50	0	20.07	20.10	20.12					
Channel				20452	20525	20600					
Frequency (MHz)				829.5	836.5	846.5					
5	QPSK	1	0	23.07	23.10	22.91	24.5	0			
5	QPSK	1	12	23.06	23.12	23.18					
5	QPSK	1	24	22.96	23.02	22.97					
5	QPSK	12	0	21.91	22.07	22.04	23.5	1			
5	QPSK	12	7	22.03	22.20	22.13					
5	QPSK	12	13	22.04	22.07	21.98					
5	QPSK	25	0	22.11	22.16	21.97	23.5	1			
5	16QAM	1	0	22.02	22.10	22.07					
5	16QAM	1	24	22.06	22.10	22.07					
5	16QAM	1	24	21.97	22.09	22.04	22.5	2			
5	16QAM	12	0	20.97	21.02	21.05					
5	16QAM	12	7	21.18	21.20	21.04					
5	16QAM	12	13	20.98	21.03	21.03	22.5	2			
5	16QAM	25	0	21.04	21.01	21.00					
5	64QAM	1	0	21.17	21.03	21.01					
5	64QAM	1	12	21.00	20.96	20.99	22.5	2			
5	64QAM	1	24	21.00	21.12	21.08					
5	64QAM	12	0	19.93	20.02	20.11					
5	64QAM	12	7	20.08	20.22	20.13	21.5	3			
5	64QAM	12	13	20.10	20.20	20.09					
5	64QAM	25	0	19.98	20.09	20.09					
Channel				20415	20525	20635					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.10	23.16	23.15	24.5	0			
3	QPSK	1	8	23.20	23.25	23.17					
3	QPSK	1	14	23.05	23.17	23.08					
3	QPSK	8	0	21.99	22.01	22.12	23.5	1			
3	QPSK	8	4	22.15	22.17	22.10					
3	QPSK	8	7	22.05	22.12	21.98					
3	QPSK	15	0	22.19	22.11	22.03	23.5	1			
3	16QAM	1	0	22.11	22.24	22.13					
3	16QAM	1	8	22.14	22.23	22.10					
3	16QAM	1	14	22.01	22.19	22.07	23.5	1			
3	16QAM	8	0	20.98	21.11	21.09					
3	16QAM	8	4	21.19	21.11	21.04					
3	16QAM	8	7	20.98	21.16	21.04	22.5	2			
3	16QAM	15	0	21.00	21.07	20.93					
3	64QAM	1	0	21.11	21.08	21.03					
3	64QAM	1	8	21.09	21.09	21.09	22.5	2			
3	64QAM	1	14	20.96	21.09	20.99					
3	64QAM	8	0	20.08	20.00	20.04					
3	64QAM	8	4	20.07	20.23	20.12	21.5	3			
3	64QAM	8	7	20.05	20.12	20.18					
3	64QAM	15	0	20.03	20.18	20.19					
Channel				20407	20525	20643					
Frequency (MHz)				827.7	836.5	848.3					
1.4	QPSK	1	0	23.11	23.15	22.91	24.5	0			
1.4	QPSK	1	3	23.10	23.20	23.18					
1.4	QPSK	1	5	22.85	23.08	22.97					
1.4	QPSK	3	0	23.05	23.02	22.84	23.5	1			
1.4	QPSK	3	1	23.10	23.07	23.16					
1.4	QPSK	3	3	22.87	23.06	22.87					
1.4	QPSK	6	0	22.15	22.22	22.09	23.5	1			
1.4	16QAM	1	0	22.10	22.25	22.10					
1.4	16QAM	1	3	22.12	22.19	22.11					
1.4	16QAM	1	5	22.08	22.08	21.07	22.5	2			
1.4	16QAM	3	0	22.02	22.19	22.01					
1.4	16QAM	3	1	22.06	22.18	22.11					
1.4	16QAM	3	3	21.93	21.93	21.91	22.5	2			
1.4	16QAM	6	0	21.02	21.10	20.94					
1.4	64QAM	1	0	21.12	21.12	21.00					
1.4	64QAM	1	3	21.02	21.04	20.96	22.5	2			
1.4	64QAM	1	5	21.06	21.12	21.07					
1.4	64QAM	3	0	21.08	21.10	20.95					
1.4	64QAM	3	1	20.89	20.96	20.87	21.5	3			
1.4	64QAM	3	3	21.08	21.12	20.95					
1.4	64QAM	6	0	19.97	20.19	20.06					

Band 7_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	17.82	17.70	17.59	18.8	0			
20	QPSK	1	49	17.70	17.78	17.72					
20	QPSK	1	99	17.56	17.69	17.65					
20	QPSK	50	0	17.55	17.84	17.88	18.8	0			
20	QPSK	50	24	17.71	17.72	17.80					
20	QPSK	50	50	17.85	17.69	17.58					
20	QPSK	100	0	17.67	17.69	17.57	18.8	0			
20	16QAM	1	0	17.68	17.69	17.60					
20	16QAM	1	49	17.66	17.73	17.60					
20	16QAM	1	99	17.69	17.73	17.60	18.8	0			
20	16QAM	50	0	17.62	17.66	17.70					
20	16QAM	50	24	17.58	17.70	17.65					
20	16QAM	50	50	17.89	17.72	17.70	18.8	0			
20	16QAM	100	0	17.70	17.72	17.57					
20	64QAM	1	0	17.61	17.71	17.67					
20	64QAM	1	49	17.56	17.67	17.70	18.8	0			
20	64QAM	1	99	17.62	17.76	17.70					
20	64QAM	50	0	17.55	17.69	17.61					
20	64QAM	50	24	17.68	17.62	17.57	18.8	0			
20	64QAM	50	50	17.89	17.69	17.62					
20	64QAM	100	0	17.67	17.77	17.60					
Channel				20875	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	17.50	17.57	17.48	18.8	0			
15	QPSK	1	37	17.70	17.65	17.57					
15	QPSK	1	74	17.41	17.63	17.52					
15	QPSK	36	0	17.54	17.51	17.55	18.8	0			
15	QPSK	36	20	17.56	17.65	17.68					
15	QPSK	36	39	17.82	17.65	17.49					
15	QPSK	75	0	17.57	17.55	17.43	18.8	0			
15	16QAM	1	0	17.85	17.86	17.55					
15	16QAM	1	37	17.81	17.68	17.60					
15	16QAM	1	74	17.61	17.67	17.57	18.8	0			
15	16QAM	1	74	17.69	17.73	17.58					
15	16QAM	36	0	17.50	17.65	17.55					
15	16QAM	36	20	17.52	17.70	17.58	18.8	0			
15	16QAM	36	39	17.86	17.58	17.60					
15	16QAM	75	0	17.70	17.63	17.54					
15	64QAM	1	0	17.59	17.61	17.58	18.8	0			
15	64QAM	1	37	17.44	17.58	17.58					
15	64QAM	1	74	17.61	17.68	17.60					
15	64QAM	36	0</								



Band 7_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	19.11	19.04	18.94	20.3	0		
20	QPSK	1	49	19.12	19.13	19.95				
20	QPSK	1	99	19.11	19.12	18.85				
20	QPSK	50	0	19.07	19.05	18.89				
20	QPSK	50	24	19.12	19.13	19.94				
20	QPSK	50	50	19.08	19.10	18.88	20.3	0		
20	QPSK	100	0	19.04	19.07	18.87				
20	16QAM	1	0	19.05	19.12	18.93				
20	16QAM	1	49	19.03	19.04	19.93	20.3	0		
20	16QAM	1	99	19.08	19.08	18.87				
20	16QAM	50	0	19.08	19.06	18.92				
20	16QAM	50	24	19.11	19.03	18.88	20.3	0		
20	16QAM	100	0	19.08	19.07	18.91				
20	64QAM	1	0	19.03	19.07	18.92				
20	64QAM	1	49	19.11	19.07	18.88	20.3	0		
20	64QAM	1	99	19.07	19.03	18.95				
20	64QAM	50	0	19.02	19.11	18.87				
20	64QAM	50	24	19.03	19.06	18.92	20.3	0		
20	64QAM	50	50	19.11	19.10	18.90				
20	64QAM	100	0	19.06	19.06	18.94				
Channel				20925	21100	21375	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2597.5	2535	2592.5				
15	QPSK	1	0	19.98	19.98	18.97	20.3	0		
15	QPSK	1	37	19.99	19.03	18.90				
15	QPSK	1	74	19.02	19.01	18.70				
15	QPSK	36	0	19.00	18.91	18.77				
15	QPSK	36	20	18.97	19.02	18.80	20.3	0		
15	QPSK	36	39	18.99	19.01	18.80				
15	QPSK	75	0	18.91	18.95	18.85				
15	16QAM	1	0	18.92	18.97	18.85	20.3	0		
15	16QAM	1	37	18.96	18.90	18.82				
15	16QAM	1	74	18.95	18.96	18.78				
15	16QAM	36	0	19.00	18.95	18.77				
15	16QAM	36	20	18.98	18.93	18.79	20.3	0		
15	16QAM	36	39	18.94	18.96	18.79				
15	16QAM	75	0	18.92	18.92	18.80				
15	64QAM	1	0	18.91	19.01	18.79				
15	64QAM	1	37	18.99	18.84	18.73	20.3	0		
15	64QAM	1	74	18.98	18.97	18.73				
15	64QAM	36	0	18.89	18.97	18.73				
15	64QAM	36	20	18.94	19.00	18.79	20.3	0		
15	64QAM	36	39	19.04	19.05	18.73				
15	64QAM	75	0	18.94	19.00	18.85				
Channel				20800	21100	21400	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	18.88	18.95	18.84	20.3	0		
10	QPSK	1	25	19.05	19.03	18.80				
10	QPSK	1	49	18.99	18.99	18.75				
10	QPSK	25	0	18.99	18.90	18.75	20.3	0		
10	QPSK	25	12	19.07	19.05	18.89				
10	QPSK	25	25	18.96	19.05	18.74				
10	QPSK	50	0	18.94	19.01	18.76				
10	16QAM	1	0	18.92	19.06	18.81	20.3	0		
10	16QAM	1	25	18.95	18.97	18.86				
10	16QAM	1	49	19.03	19.02	18.77				
10	16QAM	25	0	19.00	18.98	18.79	20.3	0		
10	16QAM	25	12	19.06	18.94	18.77				
10	16QAM	25	25	18.97	18.97	18.82				
10	64QAM	1	0	18.93	19.01	18.81	20.3	0		
10	64QAM	1	25	19.05	18.99	18.76				
10	64QAM	1	49	18.93	18.94	18.86				
10	64QAM	25	0	18.94	18.96	18.75	20.3	0		
10	64QAM	25	12	18.91	18.98	18.80				
10	64QAM	25	25	18.99	19.02	18.78				
10	64QAM	50	0	18.98	19.00	18.83				
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2597.5	2535	2592.5				
5	QPSK	1	0	19.97	19.89	18.85	20.3	0		
5	QPSK	1	12	19.03	19.01	18.90				
5	QPSK	1	24	19.04	19.04	18.74				
5	QPSK	12	0	19.00	18.94	18.80	20.3	0		
5	QPSK	12	7	19.02	19.08	18.89				
5	QPSK	12	13	18.96	18.95	18.75				
5	QPSK	25	0	18.92	18.96	18.76				
5	16QAM	1	0	18.97	18.99	18.82	20.3	0		
5	16QAM	1	12	18.96	18.96	18.85				
5	16QAM	1	24	18.94	18.94	18.72				
5	16QAM	12	0	18.98	18.99	18.87	20.3	0		
5	16QAM	12	7	19.08	18.91	18.74				
5	16QAM	12	13	18.89	18.95	18.75	20.3	0		
5	16QAM	25	0	19.00	18.99	18.76				
5	64QAM	1	0	18.95	19.01	18.84	20.3	0		
5	64QAM	1	12	19.08	19.00	18.73				
5	64QAM	1	24	18.92	18.91	18.80				
5	64QAM	12	0	18.88	18.98	18.81	20.3	0		
5	64QAM	12	7	18.96	18.98	18.87				
5	64QAM	12	13	18.99	19.01	18.73				
5	64QAM	25	0	19.01	18.96	18.84	20.3	0		

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.28	24.26	24.21	24.7	0		
10	QPSK	1	25	24.31	24.42	24.28				
10	QPSK	1	49	24.25	24.25	24.26				
10	QPSK	25	0	23.36	23.42	23.33	23.7	1		
10	QPSK	25	12	23.41	23.44	23.32				
10	QPSK	25	25	23.39	23.37	23.41				
10	QPSK	50	0	23.42	23.43	23.39				
10	16QAM	1	0	23.30	23.32	23.29	23.7	1		
10	16QAM	1	25	23.27	23.29	23.28				
10	16QAM	1	49	23.25	23.28	23.29				
10	16QAM	25	0	22.28	22.28	22.25				
10	16QAM	25	12	22.28	22.31	22.26	22.7	2		
10	16QAM	25	25	22.30	22.34	22.29				
10	16QAM	50	0	22.29	22.21	22.30				
10	64QAM	1	0	22.21	22.19	22.20	22.7	2		
10	64QAM	1	25	22.17	22.27	22.23				
10	64QAM	1	49	22.27	22.29	22.18				
10	64QAM	25	0	21.26	21.18	21.22				
10	64QAM	25	12	21.39	21.30	21.19	21.7	3		
10	64QAM	25	25	21.38	21.29	21.29				
10	64QAM	50	0	21.29	21.24	21.26				
Channel				23035	23095	23165	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.16	24.18	24.10	24.7	0		
5	QPSK	1	12	24.19	24.23	24.22				
5	QPSK	1	24	24.16	24.22	24.20				
5	QPSK	12	0	23.33	23.31	23.19	23.7	1		
5	QPSK	12	7	23.38	23.37	23.28				
5	QPSK	12	13	23.25	23.32	23.35				
5	QPSK	25	0	23.27	23.28	23.38				
5	16QAM	1	0	23.17	23.21	23.26	23.7	1		
5	16QAM	1	12	23.18	23.18	23.18				
5	16QAM	1	24	23.14	23.11	23.24				
5	16QAM	12	0	22.24	22.27	22.14	22.7	2		
5	16QAM	12	7	22.18	22.17	22.17				
5	16QAM	12	13	22.15	22.32	22.19				
5	16QAM	25	0	22.23	22.11	22.27				
5	64QAM	1								



Band 13_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.28		22.5	0		
10	QPSK	1	25		22.29					
10	QPSK	1	49		22.20					
10	QPSK	25	0		22.20		22.5	0		
10	QPSK	25	12		22.27					
10	QPSK	25	25		22.28					
10	QPSK	50	0		22.25		22.5	0		
10	16QAM	1	0		22.19					
10	16QAM	1	25		22.26					
10	16QAM	1	49		22.25		21.5	1		
10	16QAM	25	0		21.20					
10	16QAM	25	12		21.27					
10	16QAM	25	25		21.27		21.5	1		
10	16QAM	50	0		21.20					
10	64QAM	1	0		21.24					
10	64QAM	1	25		21.19		21.5	1		
10	64QAM	1	49		21.19					
10	64QAM	25	0		20.25					
10	64QAM	25	12		20.19		20.5	2		
10	64QAM	25	25		20.21					
10	64QAM	50	0		20.21					
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0		22.15	22.22	22.5	0		
5	QPSK	1	12		22.24	22.20				
5	QPSK	1	24		22.10	22.11				
5	QPSK	12	0		22.08	22.11	22.5	0		
5	QPSK	12	7		22.21	22.19				
5	QPSK	12	13		22.11	22.17				
5	QPSK	25	0		22.13	22.18	22.5	0		
5	16QAM	1	0		22.07	22.04				
5	16QAM	1	12		22.14	22.16				
5	16QAM	1	24		22.18	22.12	21.5	1		
5	16QAM	12	0		21.14	21.10				
5	16QAM	12	7		21.16	21.21				
5	16QAM	12	13		21.15	21.20	21.5	1		
5	16QAM	25	0		21.05	21.07				
5	64QAM	1	0		21.18	21.11				
5	64QAM	1	12		21.11	21.08	21.5	1		
5	64QAM	1	24		21.06	21.07				
5	64QAM	12	0		20.13	20.17				
5	64QAM	12	7		20.12	20.04	20.5	2		
5	64QAM	12	13		20.16	20.07				
5	64QAM	25	0		20.14	20.07				

Band 13_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.19		23.5	0		
10	QPSK	1	25		22.23					
10	QPSK	1	49		22.19					
10	QPSK	25	0		21.23		22.5	1		
10	QPSK	25	12		21.28					
10	QPSK	25	25		21.25					
10	QPSK	50	0		21.22		22.5	1		
10	16QAM	1	0		21.47					
10	16QAM	1	25		21.54					
10	16QAM	1	49		21.44		21.5	2		
10	16QAM	25	0		20.24					
10	16QAM	25	12		20.21					
10	16QAM	25	25		20.25		21.5	2		
10	16QAM	50	0		20.25					
10	64QAM	1	0		20.35					
10	64QAM	1	25		20.32		21.5	2		
10	64QAM	1	49		20.32					
10	64QAM	25	0		19.23					
10	64QAM	25	12		19.24		20.5	3		
10	64QAM	25	25		19.22					
10	64QAM	50	0		19.24					
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0		22.08	22.16	23.5	0		
5	QPSK	1	12		22.12	22.10				
5	QPSK	1	24		22.19	22.04				
5	QPSK	12	0		21.21	21.17	22.5	1		
5	QPSK	12	7		21.15	21.13				
5	QPSK	12	13		21.18	21.11				
5	QPSK	25	0		21.16	21.21	22.5	1		
5	16QAM	1	0		21.47	21.40				
5	16QAM	1	12		21.39	21.39				
5	16QAM	1	24		21.30	21.42	21.5	2		
5	16QAM	12	0		20.13	20.14				
5	16QAM	12	7		20.07	20.08				
5	16QAM	12	13		20.20	20.17	21.5	2		
5	16QAM	25	0		20.13	20.21				
5	64QAM	1	0		20.32	20.28				
5	64QAM	1	12		20.18	20.22	21.5	2		
5	64QAM	1	24		20.23	20.27				
5	64QAM	12	0		19.20	19.15				
5	64QAM	12	7		19.24	19.16	20.5	3		
5	64QAM	12	13		19.07	19.16				
5	64QAM	25	0		19.19	19.15				

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23780						
Frequency (MHz)				709						
10	QPSK	1	0		24.27	24.24	24.7	0		
10	QPSK	1	25		24.38	24.39				
10	QPSK	1	49		24.31	24.32				
10	QPSK	25	0		23.20	23.22	23.7	1		
10	QPSK	25	12		23.27	23.38				
10	QPSK	25	25		23.26	23.26				
10	QPSK	50	0		23.25	23.32	23.7	1		
10	16QAM	1	0		22.69	22.83				
10	16QAM	1	25		22.67	22.85				
10	16QAM	1	49		22.92	22.90	23.7	1		
10	16QAM	25	0		22.20	22.19				
10	16QAM	25	12		22.26	22.32				
10	16QAM	25	25		22.32	22.26	22.7	2		
10	16QAM	50	0		22.27	22.25				
10	64QAM	1	0		22.32	22.38				
10	64QAM	1	25		22.54	22.58	22.7	2		
10	64QAM	1	49		22.51	22.05				
10	64QAM	25	0		21.18	21.19				
10	64QAM	25	12		21.23	21.22	21.7	3		
10	64QAM	25	25		21.29	21.27				
10	64QAM	50	0		21.14	21.25				
Channel				23755						
Frequency (MHz)				710						
5	QPSK	1	0		24.13	24.07	24.7	0		
5	QPSK	1	12		24.37	24.25				
5	QPSK	1	24		24.08	24.13				
5	QPSK	12	0		23.18	23.19	23.7	1		
5	QPSK	12	7		23.18	23.20				
5	QPSK	12	13		23.19	23.21				
5	QPSK	25	0		23.15	23.21	23.7	1		
5	16QAM	1	0		23.04	23.17				
5	16QAM	1	12		23.16	23.20				
5	16QAM	1	24		23.11	23.20	22.7	2		
5	16QAM	12	0		22.01	22.05				
5	16QAM	12	7		22.08	22.16				
5	16QAM	12	13		22.21	22.13	21.7	3		
5	16QAM	25	0		22.14	22.12				
5	64QAM	1	0		21.82	21.83				
5	64QAM	1	12		21.96	21.99	21.7	3		
5	64QAM	1	24		22.09	22.05				
5	64QAM	12	0		20.94	20.96				
5	64QAM	12	7		21.06	21.00	21.7	3		
5	64QAM	12	13		21.04	21.13				
5	64QAM	25	0		21.03	21.00				



Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.26	23.27	23.33	24.7	0		
10	QPSK	1	25	23.38	23.41	23.35				
10	QPSK	1	49	23.29	23.37	23.34				
10	QPSK	25	0	22.49	22.46	22.40	23.7	1		
10	QPSK	25	12	22.56	22.54	22.33				
10	QPSK	25	25	22.42	22.33	22.33				
10	QPSK	50	0	22.50	22.52	22.51	23.7	1		
10	16QAM	1	0	22.45	22.45	22.38				
10	16QAM	1	25	22.39	22.50	22.40				
10	16QAM	1	49	22.33	22.26	22.32	22.7	2		
10	16QAM	25	0	21.52	21.44	21.47				
10	16QAM	25	12	21.30	21.39	21.36				
10	16QAM	25	25	21.52	21.50	21.44	22.7	2		
10	16QAM	50	0	21.48	21.47	21.53				
10	16QAM	1	0	21.46	21.37	21.38				
10	16QAM	1	25	21.23	21.26	21.35	21.7	3		
10	16QAM	1	49	21.49	21.37	21.31				
10	16QAM	25	0	20.43	20.45	20.47				
10	16QAM	25	12	20.34	20.42	20.45	21.7	3		
10	16QAM	25	25	20.34	20.49	20.48				
10	16QAM	50	0	20.48	20.46	20.47				
Channel				23152	23190	23252	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				703.5	710	713.5				
5	QPSK	1	0	23.22	23.24	23.27	24.7	0		
5	QPSK	1	12	23.26	23.31	23.32				
5	QPSK	1	24	23.29	23.36	23.26				
5	QPSK	12	0	22.41	22.37	22.28	23.7	1		
5	QPSK	12	7	22.49	22.50	22.51				
5	QPSK	12	13	22.32	22.32	22.22				
5	QPSK	25	0	22.48	22.43	22.40	23.7	1		
5	16QAM	1	0	22.39	22.44	22.35				
5	16QAM	1	12	22.28	22.38	22.29				
5	16QAM	1	24	22.28	22.17	22.32	22.7	2		
5	16QAM	12	0	21.37	21.39	21.40				
5	16QAM	12	7	21.16	21.31	21.30				
5	16QAM	12	13	21.40	21.35	21.31	22.7	2		
5	16QAM	25	0	21.34	21.35	21.42				
5	16QAM	1	0	21.38	21.37	21.27				
5	16QAM	1	12	21.11	21.23	21.28	22.7	2		
5	16QAM	1	24	21.45	21.32	21.32				
5	16QAM	12	0	20.34	20.40	20.28				
5	16QAM	12	7	20.21	20.39	20.38	21.7	3		
5	16QAM	12	13	20.42	20.39	20.42				
5	16QAM	25	0	20.33	20.36	20.45				

Band 26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.25	21.26	21.21	21.8	0		
15	QPSK	1	37	21.26	21.29	21.28				
15	QPSK	1	74	21.24	21.21	21.21				
15	QPSK	36	0	21.26	21.22	21.20	21.8	0		
15	QPSK	36	20	21.27	21.28	21.22				
15	QPSK	36	38	21.26	21.25	21.20				
15	QPSK	75	0	21.25	21.26	21.23	21.8	0		
15	16QAM	1	0	21.26	21.24	21.23				
15	16QAM	1	37	21.24	21.24	21.24				
15	16QAM	1	74	21.20	21.24	21.20	21.8	0		
15	16QAM	36	0	21.25	21.27	21.20				
15	16QAM	36	20	21.25	21.21	21.24				
15	16QAM	36	39	21.27	21.23	21.19	21.8	0		
15	16QAM	75	0	21.25	21.25	21.25				
15	16QAM	1	0	21.25	21.25	21.19				
15	16QAM	1	37	21.27	21.22	21.25	21.8	0		
15	16QAM	1	74	21.25	21.24	21.17				
15	16QAM	36	0	21.27	21.28	21.23				
15	16QAM	36	20	21.26	21.27	21.23	21.8	0		
15	16QAM	36	39	21.28	21.28	21.23				
15	16QAM	75	0	21.27	21.22	21.20				
Channel				26740	26865	26990	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819.5	831.5	843.5				
10	QPSK	1	0	21.13	21.14	21.12	21.8	0		
10	QPSK	1	25	21.20	21.21	21.16				
10	QPSK	1	49	21.15	21.10	21.10				
10	QPSK	25	0	21.16	21.09	21.15	21.8	0		
10	QPSK	25	12	21.20	21.20	21.10				
10	QPSK	25	25	21.16	21.14	21.08				
10	QPSK	50	0	21.10	21.21	21.14	21.8	0		
10	16QAM	1	0	21.17	21.16	21.10				
10	16QAM	1	25	21.10	21.13	21.12				
10	16QAM	1	49	21.08	21.10	21.10	21.8	0		
10	16QAM	25	0	21.18	21.12	21.13				
10	16QAM	25	12	21.20	21.15	21.11				
10	16QAM	25	25	21.15	21.16	21.12	21.8	0		
10	16QAM	50	0	21.17	21.16	21.15				
10	16QAM	1	0	21.20	21.11	21.11				
10	16QAM	1	25	21.18	21.17	21.15	21.8	0		
10	16QAM	1	49	21.16	21.11	21.12				
10	16QAM	25	0	21.21	21.13	21.09				
10	16QAM	25	12	21.13	21.19	21.14	21.8	0		
10	16QAM	25	25	21.13	21.14	21.14				
10	16QAM	50	0	21.15	21.09	21.05				
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	21.18	21.16	21.14	21.8	0		
5	QPSK	1	12	21.17	21.15	21.15				
5	QPSK	1	24	21.11	21.11	21.11				
5	QPSK	12	0	21.19	21.09	21.14	21.8	0		
5	QPSK	12	7	21.14	21.13	21.09				
5	QPSK	12	13	21.20	21.14	21.12				
5	QPSK	25	0	21.14	21.16	21.15	21.8	0		
5	16QAM	1	0	21.14	21.19	21.11				
5	16QAM	1	12	21.15	21.14	21.11				
5	16QAM	1	24	21.13	21.10	21.13	21.8	0		
5	16QAM	12	0	21.10	21.14	21.09				
5	16QAM	12	7	21.11	21.14	21.17				
5	16QAM	12	13	21.16	21.15	21.08	21.8	0		
5	16QAM	25	0	21.12	21.17	21.13				
5	16QAM	1	0	21.15	21.19	21.14				
5	16QAM	1	12	21.18	21.14	21.15	21.8	0		
5	16QAM	1	24	21.11	21.14	21.08				
5	16QAM	12	0	21.18	21.18	21.13				
5	16QAM	12	7	21.19	21.22	21.13	21.8	0		
5	16QAM	12	13	21.20	21.20	21.16				
5	16QAM	25	0	21.12	21.08	21.08				
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	21.13	21.16	21.11	21.8	0		
3	QPSK	1	8	21.11	21.23	21.11				
3	QPSK	1	14	21.11	21.15	21.12				
3	QPSK	8	0	21.14	21.07	21.08	21.8	0		
3	QPSK	8	4	21.17	21.13	21.09				
3	QPSK	8	7	21.16	21.13	21.15				
3	QPSK	15	0	21.19	21.16	21.18	21.8	0		
3	16QAM	1	0	21.18	21.09	21.16				
3	16QAM	1	8	21.09	21.10	21.12				
3	16QAM	1	14	21.08	21.16	21.10	21.8	0		
3	16QAM	8	0	21.20	21.18	21.12				
3	16QAM	8	4	21.17	21.16	21.10				
3	16QAM	8	7	21.12	21.14	21.13	21.8	0		
3	16QAM	15	0	21.12	21.11	21.10				
3	16QAM	1	0	21.20	21.14	21.12				
3	16QAM	1	8	21.17	21.11	21.12	21.8	0		
3	16QAM	1	14	21.12	21.12	21.09				
3	16QAM	8	0	21.19	21.22	21.12				
3	16QAM	8	4	21.13	2					



Band 66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.68	21.75	21.85	22.3	0		
20	QPSK	1	49	21.81	21.86	21.83				
20	QPSK	1	99	21.76	21.77	21.74				
20	QPSK	50	0	20.70	21.86	21.86				
20	QPSK	50	24	21.58	21.75	21.75				
20	QPSK	50	50	21.62	21.67	21.64				
20	QPSK	100	0	21.64	21.71	21.70				
20	16QAM	1	0	21.70	21.72	21.68				
20	16QAM	1	49	21.67	21.72	21.71				
20	16QAM	1	99	21.63	21.66	21.70				
20	16QAM	50	0	21.63	21.70	21.72				
20	16QAM	50	24	21.64	21.74	21.69				
20	16QAM	50	50	21.65	21.69	21.65				
20	16QAM	100	0	21.70	21.67	21.64				
20	64QAM	1	0	21.62	21.75	21.64				
20	64QAM	1	49	21.62	21.71	21.70				
20	64QAM	1	99	21.68	21.68	21.62				
20	64QAM	50	0	20.66	20.72	20.72				
20	64QAM	50	24	20.65	20.75	20.69				
20	64QAM	50	50	20.70	20.65	20.69				
20	64QAM	100	0	20.64	20.71	20.64				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.62	21.65	21.68	22.3	0		
15	QPSK	1	37	21.70	21.73	21.74				
15	QPSK	1	74	21.67	21.69	21.60				
15	QPSK	36	0	21.58	21.55	21.57				
15	QPSK	36	20	21.57	21.62	21.61				
15	QPSK	36	39	21.56	21.65	21.64				
15	QPSK	75	0	21.50	21.56	21.58				
15	16QAM	1	0	21.57	21.67	21.62				
15	16QAM	1	37	21.56	21.63	21.59				
15	16QAM	1	74	21.53	21.55	21.61				
15	16QAM	36	0	21.49	21.58	21.58				
15	16QAM	36	20	21.53	21.69	21.62				
15	16QAM	36	39	21.57	21.61	21.59				
15	16QAM	75	0	21.65	21.53	21.57				
15	64QAM	1	0	21.55	21.70	21.55				
15	64QAM	1	37	21.53	21.62	21.65				
15	64QAM	1	74	21.51	21.57	21.58				
15	64QAM	36	0	20.58	20.54	20.61				
15	64QAM	36	20	20.56	20.65	20.61				
15	64QAM	36	39	20.57	20.50	20.56				
15	64QAM	75	0	20.52	20.60	20.56				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.55	21.65	21.67	22.3	0		
10	QPSK	1	25	21.69	21.76	21.60				
10	QPSK	1	49	21.63	21.65	21.60				
10	QPSK	25	0	21.58	21.53	21.56				
10	QPSK	25	12	21.51	21.57	21.55				
10	QPSK	25	25	21.64	21.62	21.67				
10	QPSK	50	0	21.49	21.56	21.62				
10	16QAM	1	0	21.65	21.64	21.57				
10	16QAM	1	25	21.58	21.63	21.64				
10	16QAM	1	49	21.51	21.55	21.55				
10	16QAM	25	0	21.50	21.56	21.62				
10	16QAM	25	12	21.58	21.60	21.60				
10	16QAM	25	25	21.50	21.61	21.51				
10	16QAM	50	0	21.61	21.52	21.55				
10	64QAM	1	0	21.55	21.61	21.55				
10	64QAM	1	25	21.51	21.66	21.60				
10	64QAM	1	49	21.62	21.55	21.51				
10	64QAM	25	0	20.54	20.67	20.67				
10	64QAM	25	12	20.59	20.62	20.58				
10	64QAM	25	25	20.59	20.51	20.54				
10	64QAM	50	0	20.53	20.65	20.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.55	21.65	21.66	22.3	0		
5	QPSK	1	12	21.72	21.79	21.67				
5	QPSK	1	24	21.62	21.70	21.67				
5	QPSK	12	0	21.65	21.60	21.55				
5	QPSK	12	7	21.48	21.53	21.56				
5	QPSK	12	13	21.61	21.62	21.61				
5	QPSK	25	0	21.49	21.61	21.60				
5	16QAM	1	0	21.61	21.60	21.62				
5	16QAM	1	12	21.58	21.67	21.60				
5	16QAM	1	24	21.55	21.52	21.57				
5	16QAM	12	0	21.51	21.61	21.62				
5	16QAM	12	7	21.51	21.59	21.56				
5	16QAM	12	13	21.56	21.58	21.58				
5	16QAM	25	0	21.62	21.62	21.51				
5	64QAM	1	0	21.57	21.69	21.61				
5	64QAM	1	12	21.55	21.59	21.63				
5	64QAM	1	24	21.62	21.61	21.55				
5	64QAM	12	0	20.55	20.58	20.58				
5	64QAM	12	7	20.55	20.70	20.59				
5	64QAM	12	13	20.57	20.60	20.58				
5	64QAM	25	0	20.48	20.63	20.51				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.59	21.61	21.67	22.3	0		
3	QPSK	1	8	21.74	21.71	21.70				
3	QPSK	1	14	21.67	21.72	21.69				
3	QPSK	8	0	21.60	21.58	21.51				
3	QPSK	8	4	21.53	21.57	21.48				
3	QPSK	8	7	21.59	21.65	21.60				
3	QPSK	15	0	21.58	21.58	21.58				
3	16QAM	1	0	21.55	21.61	21.54				
3	16QAM	1	8	21.60	21.66	21.56				
3	16QAM	1	14	21.53	21.60	21.65				
3	16QAM	8	0	21.48	21.63	21.57				
3	16QAM	8	4	21.51	21.61	21.55				
3	16QAM	8	7	21.52	21.60	21.52				
3	16QAM	15	0	21.59	21.58	21.59				
3	64QAM	1	0	21.47	21.68	21.54				
3	64QAM	1	8	21.49	21.56	21.65				
3	64QAM	1	14	21.63	21.55	21.51				
3	64QAM	8	0	20.54	20.64	20.57				
3	64QAM	8	4	20.59	20.63	20.52				
3	64QAM	8	7	20.57	20.58	20.57				
3	64QAM	15	0	20.49	20.65	20.51				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.53	21.63	21.62	22.3	0		
1.4	QPSK	1	3	21.66	21.80	21.63				
1.4	QPSK	1	5	21.67	21.67	21.63				
1.4	QPSK	3	0	21.56	21.52	21.54				
1.4	QPSK	3	1	21.56	21.56	21.59				
1.4	QPSK	3	3	21.57	21.63	21.66				
1.4	QPSK	6	0	21.58	21.58	21.56				
1.4	16QAM	1	0	21.61	21.61	21.62				
1.4	16QAM	1	3	21.62	21.58	21.58				
1.4	16QAM	1	5	21.61	21.60	21.61				
1.4	16QAM	3	0	21.55	21.59	21.58				
1.4	16QAM	3	1	21.53	21.60	21.61				
1.4	16QAM	3	3	21.50	21.57	21.58				
1.4	16QAM	6	0	21.62	21.55	21.58				
1.4	16QAM	6	0	21.56	21.67	21.57				
1.4	64QAM	1	3	21.51	21.56	21.56				
1.4	64QAM	1	5	21.63	21.62	21.54				
1.4	64QAM	3	0	21.41	21.58	21.44				
1.4	64QAM	3	1	21.41	21.48	21.51				
1.4	64QAM	3	3	21.48	21.55	21.41				
1.4	64QAM	6	0	20.52	20.61	20.54				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.16	20.19	20.18	21.3	0		
20	QPSK	1	49	20.23	20.25	20.19				
20	QPSK	1	99	20.15	20.16	20.17				
20	QPSK	50	0	20.15	20.14	20.21				
20	QPSK	50	24	20.20	20.24	20.23				
20	QPSK	50	50	20.08	20.18	20.21				
20	QPSK	100	0	20.08	20.20	20.17				
20	16QAM	1	0	20.12	20.20	20.13				
20	16QAM	1	49	20.09	20.20	20.15				
20	16QAM	1	99	20.11	20.21	20.21				
20	16QAM	50	0	20.06	20.13	20.19				
20	16QAM	50	24	20.13	20.22	20.16				
20	16QAM	50	50	20.11	20.17	20.20				
20	16QAM	100	0	20.15	20.18	20.14				
20	64QAM	1	0	20.08	20.18	20.19				
20	64QAM	1	49	20.12	20.17	20.14				
20	64QAM	1	99	20.06	20.20	20.18				
20	64QAM	50	0	20.15	20.17	2				



Band 38_Ant 3									
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				37550	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.23	20.26	20.24	21.4	0	
20	QPSK	1	49	20.25	20.29	20.25			
20	QPSK	1	99	20.19	20.24	20.24			
20	QPSK	50	0	20.20	20.22	20.22	21.4	0	
20	QPSK	50	24	20.25	20.27	20.25			
20	QPSK	50	50	20.23	20.24	20.24			
20	QPSK	100	0	20.18	20.24	20.21	21.4	0	
20	16QAM	1	0	20.19	20.21	20.24			
20	16QAM	1	49	20.25	20.26	20.27			
20	16QAM	1	99	20.26	20.25	20.24	21.4	0	
20	16QAM	50	0	20.24	20.25	20.25			
20	16QAM	50	24	20.27	20.23	20.25			
20	16QAM	50	50	20.22	20.22	20.27	21.4	0	
20	16QAM	100	0	20.22	20.25	20.27			
20	84QAM	1	0	20.27	20.23	20.27			
20	84QAM	1	49	20.20	20.22	20.22	21.4	0	
20	84QAM	1	99	20.18	20.24	20.25			
20	84QAM	50	0	20.26	20.26	20.22			
20	84QAM	50	24	20.24	20.24	20.28	21.4	0	
20	84QAM	50	50	20.24	20.22	20.24			
20	84QAM	100	0	20.27	20.27	20.24			
Channel				37625	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.16	20.20	20.11	21.4	0	
15	QPSK	1	37	20.10	20.21	20.14			
15	QPSK	1	74	20.12	20.19	20.15			
15	QPSK	36	0	20.13	20.15	20.16	21.4	0	
15	QPSK	36	20	20.12	20.19	20.11			
15	QPSK	36	39	20.10	20.14	20.18			
15	QPSK	75	0	20.10	20.10	20.09	21.4	0	
15	16QAM	1	0	20.08	20.16	20.14			
15	16QAM	1	37	20.18	20.20	20.14			
15	16QAM	1	74	20.19	20.20	20.09	21.4	0	
15	16QAM	36	0	20.18	20.18	20.15			
15	16QAM	36	20	20.20	20.14	20.20			
15	16QAM	36	39	20.10	20.17	20.15	21.4	0	
15	16QAM	75	0	20.15	20.20	20.13			
15	84QAM	1	0	20.21	20.09	20.13			
15	84QAM	1	37	20.09	20.15	20.15	21.4	0	
15	84QAM	1	74	20.03	20.10	20.20			
15	84QAM	36	0	20.16	20.13	20.10			
15	84QAM	36	20	20.10	20.09	20.10	21.4	0	
15	84QAM	36	39	20.11	20.08	20.16			
15	84QAM	75	0	20.19	20.20	20.15			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.10	20.16	20.09	21.4	0	
10	QPSK	1	25	20.11	20.20	20.17			
10	QPSK	1	49	20.06	20.18	20.14			
10	QPSK	25	0	20.10	20.08	20.12	21.4	0	
10	QPSK	25	12	20.20	20.15	20.12			
10	QPSK	25	25	20.18	20.13	20.15			
10	QPSK	50	0	20.05	20.16	20.07	21.4	0	
10	16QAM	1	0	20.07	20.13	20.09			
10	16QAM	1	25	20.17	20.17	20.17			
10	16QAM	1	49	20.12	20.13	20.11	21.4	0	
10	16QAM	25	0	20.15	20.11	20.20			
10	16QAM	25	12	20.13	20.12	20.15			
10	16QAM	25	25	20.13	20.11	20.17	21.4	0	
10	16QAM	50	0	20.10	20.12	20.21			
10	84QAM	1	0	20.19	20.15	20.15			
10	84QAM	1	25	20.11	20.15	20.09	21.4	0	
10	84QAM	1	49	20.10	20.13	20.19			
10	84QAM	25	0	20.16	20.21	20.16			
10	84QAM	25	12	20.11	20.12	20.18	21.4	0	
10	84QAM	25	25	20.12	20.11	20.19			
10	84QAM	50	0	20.18	20.17	20.14			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.15	20.16	20.14	21.4	0	
5	QPSK	1	12	20.20	20.17	20.19			
5	QPSK	1	24	20.13	20.10	20.10			
5	QPSK	12	0	20.08	20.11	20.07	21.4	0	
5	QPSK	12	7	20.13	20.16	20.14			
5	QPSK	12	13	20.17	20.19	20.14			
5	QPSK	25	0	20.12	20.12	20.10	21.4	0	
5	16QAM	1	0	20.09	20.15	20.10			
5	16QAM	1	12	20.14	20.20	20.17			
5	16QAM	1	24	20.16	20.13	20.15	21.4	0	
5	16QAM	12	0	20.09	20.14	20.14			
5	16QAM	12	7	20.21	20.08	20.20			
5	16QAM	12	13	20.08	20.15	20.20	21.4	0	
5	16QAM	25	0	20.11	20.12	20.20			
5	84QAM	1	0	20.15	20.16	20.15			
5	84QAM	1	12	20.09	20.10	20.12	21.4	0	
5	84QAM	1	24	20.10	20.14	20.15			
5	84QAM	12	0	20.18	20.15	20.14			
5	84QAM	12	7	20.17	20.10	20.13	21.4	0	
5	84QAM	12	13	20.14	20.15	20.15			
5	84QAM	25	0	20.12	20.20	20.15			

Band 38_Ant 0									
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	23.80	23.88	23.90	24.4	0	
20	QPSK	1	49	24.02	24.08	24.07			
20	QPSK	1	99	24.01	23.99	24.06			
20	QPSK	50	0	22.92	22.98	22.97	23.4	1	
20	QPSK	50	24	23.06	23.07	23.04			
20	QPSK	50	50	23.03	23.02	23.03			
20	QPSK	100	0	22.95	23.00	22.98	23.4	1	
20	16QAM	1	0	22.89	22.96	22.89			
20	16QAM	1	49	23.11	23.11	23.12			
20	16QAM	1	99	23.03	22.95	22.97	22.4	2	
20	16QAM	50	0	21.84	21.88	22.00			
20	16QAM	50	24	22.01	22.06	22.07			
20	16QAM	50	50	22.05	22.01	22.05	21.4	3	
20	16QAM	100	0	21.96	22.00	22.00			
20	84QAM	1	0	21.47	21.56	21.51			
20	84QAM	1	49	21.70	21.76	21.83	22.4	2	
20	84QAM	1	99	21.73	21.66	21.70			
20	84QAM	50	0	20.92	20.96	20.96			
20	84QAM	50	24	20.96	21.00	21.00	21.4	3	
20	84QAM	50	50	21.01	20.98	21.00			
20	84QAM	100	0	20.89	20.93	20.97			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.77	23.87	23.77	24.4	0	
15	QPSK	1	37	24.02	24.06	24.07			
15	QPSK	1	74	23.99	23.88	24.03			
15	QPSK	36	0	22.77	22.92	22.93	23.4	1	
15	QPSK	36	20	22.83	23.03	22.93			
15	QPSK	36	39	23.02	22.91	22.88			
15	QPSK	75	0	22.81	22.96	22.83	23.4	1	
15	16QAM	1	0	22.88	22.82	22.89			
15	16QAM	1	37	23.05	23.11	23.02			
15	16QAM	1	74	22.96	22.82	22.82	22.4	2	
15	16QAM	36	0	21.80	21.91	21.95			
15	16QAM	36	20	22.00	21.91	21.97			
15	16QAM	36	39	22.04	21.96	21.99	22.4	2	
15	16QAM	75	0	21.84	21.99	21.99			
15	84QAM	1	0	21.37	21.52	21.50			
15	84QAM	1	37	21.60	21.65	21.78	21.4	3	
15	84QAM	1	74	21.73	21.66	21.62			
15	84QAM	36	0	20.79	20.83	20.96			
15	84QAM	36	20	20.82	20.85	21.00	21.4	3	
15	84QAM	36	39	20.99	20.83	20.92			
15	84QAM	75	0	20.83	20.82	20.84			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.66	23.76	23.66	24.4	0	
10	QPSK	1	25	24.01	24.03	23.95			
10	QPSK	1	49	23.91	23.99	24.00			
10	QPSK	25	0	22.80	22.95	22.82	23.4	1	
10	QPSK	25	12	23.03	22.95	22.93			
10	QPSK	25	25	22.89	22.87	22.95			
10	QPSK	50	0	22.85	22.93	22.84	23.4	1	
10	16QAM	1	0	22.85	22.84	22.78			
10	16QAM	1	25	23.02	23.05	23.10			
10									



Band 41_Ant 3												
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	18.88	18.26	19.00	18.77	18.89	19.8	0		
20	QPSK	1	49	18.91	18.38	19.05	18.82	18.73				
20	QPSK	1	99	18.76	18.23	18.93	18.75	18.59	19.8	0		
20	QPSK	50	0	18.74	18.27	19.00	18.72	18.62				
20	QPSK	50	24	18.78	18.30	19.02	18.73	18.63	19.8	0		
20	QPSK	50	50	18.69	18.28	18.98	18.72	18.62				
20	QPSK	100	0	18.70	18.30	18.81	18.71	18.62	19.8	0		
20	16QAM	1	0	18.72	18.26	18.73	18.95	18.67				
20	16QAM	1	49	18.72	18.25	18.70	18.93	18.65	19.8	0		
20	16QAM	1	99	18.69	18.32	18.67	19.01	18.63				
20	16QAM	50	0	18.72	18.32	18.77	18.87	18.70	19.8	0		
20	16QAM	50	24	18.67	18.31	18.75	18.91	18.72				
20	16QAM	50	50	18.68	18.27	18.75	18.99	18.73	19.8	0		
20	16QAM	100	0	18.67	18.25	18.71	18.88	18.67				
20	64QAM	1	0	18.75	18.29	18.67	18.96	18.59	19.8	0		
20	64QAM	1	49	18.70	18.28	18.71	18.89	18.72				
20	64QAM	1	99	18.75	18.28	18.74	18.95	18.59	19.8	0		
20	64QAM	50	0	18.67	18.31	18.75	18.92	18.72				
20	64QAM	50	24	18.70	18.27	18.76	18.88	18.64	19.8	0		
20	64QAM	50	50	18.68	18.26	18.74	18.86	18.60				
20	64QAM	100	0	18.74	18.32	18.68	18.87	18.63				
Channel				39725	40173	40620	41058	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	18.53	18.17	18.70	18.98	18.58	19.8	0		
15	QPSK	1	37	18.76	18.28	18.71	18.95	18.63				
15	QPSK	1	74	18.62	18.13	18.64	18.90	18.54	19.8	0		
15	QPSK	36	0	18.62	18.21	18.66	18.89	18.51				
15	QPSK	36	20	18.73	18.18	18.61	18.99	18.60	19.8	0		
15	QPSK	36	39	18.60	18.21	18.61	18.88	18.57				
15	QPSK	75	0	18.64	18.16	18.66	18.78	18.53	19.8	0		
15	16QAM	1	0	18.67	18.11	18.64	18.93	18.66				
15	16QAM	1	37	18.67	18.16	18.61	18.80	18.56	19.8	0		
15	16QAM	1	74	18.56	18.23	18.56	18.88	18.52				
15	16QAM	36	0	18.62	18.25	18.68	18.76	18.55	19.8	0		
15	16QAM	36	20	18.55	18.21	18.67	18.85	18.67				
15	16QAM	36	39	18.59	18.20	18.69	18.99	18.70	19.8	0		
15	16QAM	75	0	18.52	18.11	18.58	18.79	18.53				
15	64QAM	1	0	18.68	18.16	18.54	18.90	18.50	19.8	0		
15	64QAM	1	37	18.57	18.13	18.60	18.76	18.72				
15	64QAM	1	74	18.63	18.20	18.65	18.95	18.58	19.8	0		
15	64QAM	36	0	18.53	18.22	18.63	18.81	18.69				
15	64QAM	36	20	18.58	18.16	18.61	18.75	18.52	19.8	0		
15	64QAM	36	39	18.58	18.16	18.66	18.78	18.51				
15	64QAM	75	0	18.65	18.19	18.62	18.72	18.56				
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	18.62	18.19	18.68	18.91	18.66	19.8	0		
10	QPSK	1	25	18.71	18.25	18.70	18.86	18.63				
10	QPSK	1	49	18.69	18.18	18.61	18.82	18.50	19.8	0		
10	QPSK	25	0	18.68	18.20	18.57	18.96	18.57				
10	QPSK	25	12	18.64	18.19	18.61	18.91	18.50	19.8	0		
10	QPSK	25	25	18.57	18.22	18.66	18.93	18.58				
10	QPSK	50	0	18.62	18.17	18.66	18.87	18.57	19.8	0		
10	16QAM	1	0	18.65	18.19	18.63	18.93	18.65				
10	16QAM	1	25	18.62	18.13	18.58	18.91	18.64	19.8	0		
10	16QAM	1	49	18.55	18.24	18.58	18.97	18.57				
10	16QAM	25	0	18.59	18.26	18.72	18.87	18.56	19.8	0		
10	16QAM	25	12	18.62	18.22	18.62	18.87	18.57				
10	16QAM	25	25	18.55	18.13	18.70	18.92	18.71	19.8	0		
10	16QAM	50	0	18.57	18.17	18.66	18.80	18.55				
10	64QAM	1	0	18.70	18.22	18.60	18.93	18.59	19.8	0		
10	64QAM	1	25	18.61	18.16	18.59	18.84	18.70				
10	64QAM	1	49	18.64	18.17	18.66	18.89	18.56	19.8	0		
10	64QAM	25	0	18.57	18.18	18.67	18.82	18.57				
10	64QAM	25	12	18.62	18.12	18.64	18.75	18.50	19.8	0		
10	64QAM	25	25	18.55	18.11	18.61	18.73	18.54				
10	64QAM	50	0	18.69	18.19	18.57	18.74	18.57				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5				
5	QPSK	1	0	18.58	18.13	18.67	18.94	18.69	19.8	0		
5	QPSK	1	12	18.73	18.30	18.77	18.88	18.60				
5	QPSK	1	24	18.62	18.17	18.69	18.90	18.58	19.8	0		
5	QPSK	12	0	18.59	18.14	18.65	18.98	18.48				
5	QPSK	12	7	18.65	18.23	18.61	19.01	18.51	19.8	0		
5	QPSK	12	13	18.61	18.17	18.60	18.93	18.50				
5	QPSK	25	0	18.58	18.16	18.64	18.79	18.60	19.8	0		
5	16QAM	1	0	18.62	18.15	18.60	18.80	18.59				
5	16QAM	1	12	18.63	18.16	18.60	18.81	18.60	19.8	0		
5	16QAM	1	24	18.61	18.26	18.53	18.98	18.62				
5	16QAM	12	0	18.66	18.19	18.62	18.82	18.56	19.8	0		
5	16QAM	12	7	18.53	18.19	18.69	18.79	18.61				
5	16QAM	12	13	18.60	18.15	18.63	18.96	18.72	19.8	0		
5	16QAM	25	0	18.57	18.15	18.66	18.84	18.54				
5	64QAM	1	0	18.63	18.20	18.56	18.88	18.64	19.8	0		
5	64QAM	1	12	18.56	18.18	18.65	18.87	18.71				
5	64QAM	1	24	18.66	18.16	18.64	18.80	18.50	19.8	0		
5	64QAM	12	0	18.60	18.22	18.68	18.90	18.58				
5	64QAM	12	7	18.65	18.16	18.64	18.83	18.58	19.8	0		
5	64QAM	12	13	18.63	18.11	18.61	18.81	18.55				
5	64QAM	25	0	18.68	18.20	18.62	18.82	18.58				

Band 41 (HPUE)_Ant 3												
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	21.63	21.16	21.85	21.71	21.89	22.8	0		
20	QPSK	1	49	21.70	21.32	21.93	21.73	21.70				
20	QPSK	1	99	21.61	21.13	21.81	21.67	21.50	22.8	0		
20	QPSK	50	0	21.62	21.18	21.90	21.65	21.48				
20	QPSK	50	24	21.65	21.22	21.91	21.73	21.52	22.8	0		
20	QPSK	50	50	21.57	21.18	21.86	21.68	21.52				
20	QPSK	100	0	21.58	21.16	21.71	21.57	21.51	22.8	0		
20	16QAM	1	0	21.62	21.17	21.65	21.91	21.58				
20	16QAM	1	49	21.65	21.19	21.65	21.83	21.64	22.8	0		
20	16QAM	1	99	21.63	21.20	21.58	21.84	21.50				
20	16QAM	50	0	21.57	21.23	21.70	21.74	21.70	22.8	0		
20	16QAM	50	24	21.61	21.23	21.61	21.85	21.72				
20	16QAM	50	50	21.53	21.21	21.67	21.85	21.68	22.8	0		
20	16QAM	100	0	21.53	21.19	21.58	21.79	21.62				
20	64QAM	1	0	21.68	21.24	21.54	21.89	21.52				



Band 41_Ant 0												
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	22.49	22.17	22.45	22.32	22.25	22.8	0		
20	QPSK	1	49	22.56	22.38	22.62	22.59	22.47				
20	QPSK	1	99	22.38	22.25	22.58	22.44	22.40	21.8	1		
20	QPSK	50	0	21.92	21.31	21.63	21.46	21.38				
20	QPSK	50	24	21.05	21.39	21.65	21.59	21.46	21.8	1		
20	QPSK	50	50	21.46	21.38	21.61	21.52	21.44				
20	QPSK	100	0	21.47	21.34	21.59	21.51	21.39	21.8	1		
20	16QAM	1	0	21.39	21.18	21.31	21.49	21.35				
20	16QAM	1	49	21.42	21.35	21.55	21.58	21.40	21.8	1		
20	16QAM	1	99	21.40	21.24	21.37	21.55	21.40				
20	16QAM	50	0	20.54	20.31	20.47	20.64	20.32	20.8	2		
20	16QAM	50	24	20.55	20.35	20.53	20.66	20.43				
20	16QAM	50	50	20.51	20.36	20.52	20.59	20.43	20.8	2		
20	16QAM	100	0	20.47	20.30	20.50	20.67	20.36				
20	16QAM	1	0	20.40	20.25	20.45	20.60	20.29	20.8	2		
20	16QAM	1	49	20.52	20.24	20.45	20.59	20.32				
20	16QAM	1	99	20.41	20.21	20.44	20.52	20.29	19.8	3		
20	16QAM	50	0	19.80	19.26	19.45	19.56	19.32				
20	16QAM	50	24	19.83	19.30	19.51	19.63	19.40	19.8	3		
20	16QAM	50	50	19.48	19.34	19.51	19.56	19.42				
20	16QAM	100	0	19.47	19.28	19.45	19.57	19.37				
Channel				39725	40173	40620	41058	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.38	22.07	22.20	22.41	22.15	22.8	0		
15	QPSK	1	37	22.47	22.25	22.52	22.48	22.36				
15	QPSK	1	74	22.23	22.24	22.37	22.47	22.39	21.8	1		
15	QPSK	36	0	21.47	21.20	21.40	21.55	21.38				
15	QPSK	36	20	21.48	21.24	21.49	21.53	21.45	21.8	1		
15	QPSK	36	39	21.40	21.25	21.50	21.50	21.43				
15	QPSK	75	0	21.39	21.28	21.40	21.48	21.24	21.8	1		
15	16QAM	1	0	21.38	21.07	21.25	21.47	21.22				
15	16QAM	1	37	21.36	21.23	21.48	21.52	21.38	21.8	1		
15	16QAM	1	74	21.26	21.20	21.35	21.41	21.29				
15	16QAM	36	0	20.50	20.23	20.34	20.51	20.29	20.8	2		
15	16QAM	36	20	20.41	20.24	20.41	20.56	20.34				
15	16QAM	36	39	20.37	20.29	20.37	20.45	20.42	20.8	2		
15	16QAM	75	0	20.34	20.26	20.47	20.55	20.21				
15	16QAM	1	0	20.32	20.24	20.33	20.59	20.15	20.8	2		
15	16QAM	1	37	20.39	20.15	20.42	20.44	20.29				
15	16QAM	1	74	20.28	20.10	20.32	20.40	20.28	19.8	3		
15	16QAM	36	0	19.49	19.13	19.34	19.50	19.27				
15	16QAM	36	20	19.44	19.29	19.38	19.58	19.31	19.8	3		
15	16QAM	36	39	19.33	19.28	19.40	19.45	19.40				
15	16QAM	75	0	19.35	19.14	19.35	19.44	19.32				
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.39	22.08	22.19	22.34	22.11	22.8	0		
10	QPSK	1	25	22.49	22.27	22.58	22.60	22.32				
10	QPSK	1	49	22.31	22.20	22.32	22.57	22.28	21.8	1		
10	QPSK	25	0	21.46	21.24	21.33	21.54	21.29				
10	QPSK	25	12	21.46	21.34	21.53	21.61	21.33	21.8	1		
10	QPSK	25	25	21.40	21.29	21.39	21.55	21.38				
10	QPSK	50	0	21.35	21.26	21.38	21.54	21.26	21.8	1		
10	16QAM	1	0	21.25	21.11	21.21	21.40	21.34				
10	16QAM	1	25	21.35	21.23	21.42	21.51	21.27	21.8	1		
10	16QAM	1	49	21.27	21.09	21.24	21.47	21.28				
10	16QAM	25	0	20.41	20.29	20.36	20.62	20.19	20.8	2		
10	16QAM	25	12	20.44	20.27	20.46	20.59	20.36				
10	16QAM	25	25	20.42	20.25	20.38	20.59	20.36	20.8	2		
10	16QAM	50	0	20.42	20.16	20.47	20.66	20.29				
10	16QAM	1	0	20.25	20.21	20.30	20.55	20.18	20.8	2		
10	16QAM	1	25	20.47	20.21	20.31	20.50	20.20				
10	16QAM	1	49	20.38	20.07	20.41	20.45	20.22	19.8	3		
10	16QAM	25	0	19.42	19.20	19.33	19.46	19.18				
10	16QAM	25	12	19.38	19.29	19.47	19.61	19.29	19.8	3		
10	16QAM	25	25	19.44	19.25	19.47	19.45	19.28				
10	16QAM	50	0	19.41	19.18	19.39	19.48	19.27				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.42	22.10	22.24	22.36	22.24	22.8	0		
5	QPSK	1	12	22.54	22.34	22.52	22.57	22.32				
5	QPSK	1	24	22.34	22.15	22.29	22.56	22.35	21.8	1		
5	QPSK	12	0	21.37	21.25	21.35	21.56	21.35				
5	QPSK	12	7	21.52	21.25	21.52	21.63	21.41	21.8	1		
5	QPSK	12	13	21.37	21.32	21.42	21.56	21.42				
5	QPSK	25	0	21.37	21.30	21.36	21.56	21.28	21.8	1		
5	16QAM	1	0	21.26	21.11	21.23	21.42	21.22				
5	16QAM	1	12	21.29	21.20	21.54	21.47	21.37	21.8	1		
5	16QAM	1	24	21.34	21.21	21.34	21.49	21.37				
5	16QAM	12	0	20.45	20.20	20.34	20.49	20.26	20.8	2		
5	16QAM	12	7	20.45	20.23	20.48	20.61	20.31				
5	16QAM	12	13	20.40	20.25	20.48	20.50	20.36	20.8	2		
5	16QAM	25	0	20.39	20.15	20.39	20.66	20.23				
5	16QAM	1	0	20.33	20.18	20.34	20.50	20.20	20.8	2		
5	16QAM	1	12	20.48	20.10	20.32	20.46	20.27				
5	16QAM	1	24	20.27	20.15	20.38	20.38	20.20	19.8	3		
5	16QAM	12	0	19.36	19.22	19.38	19.54	19.28				
5	16QAM	12	7	19.39	19.26	19.42	19.58	19.30	19.8	3		
5	16QAM	12	13	19.39	19.29	19.40	19.50	19.37				
5	16QAM	25	0	19.34	19.17	19.44	19.42	19.25				

Band 41 (HPUE)_Ant 0												
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	25.43	25.41	25.50	25.48	25.38	25.8	0		
20	QPSK	1	49	25.50	25.58	25.63	25.54	25.59				
20	QPSK	1	99	25.45	25.43	25.26	25.52	25.44	24.8	1		
20	QPSK	50	0	24.71	24.43	24.66	24.62	24.51				
20	QPSK	50	24	24.72	24.58	24.78	24.71	24.61	24.8	1		
20	QPSK	50	50	24.59	24.54	24.69	24.70	24.60				
20	QPSK	100	0	24.59	24.48	24.69	24.62	24.50	24.8	1		
20	16QAM	1	0	24.64	24.34	24.48	24.68	24.45				
20	16QAM	1	49	24.71	24.43	24.67	24.70	24.48	24.8	1		
20	16QAM	1	99	24.52	24.41	24.69	24.54	24.53				
20	16QAM	50	0	23.70	23.41	23.64	23.77	23.54	23.8	2		
20	16QAM	50	24	23.67	23.50	23.68	23.73	23.58				
20	16QAM	50	50									



Band 41_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.84	19.47	19.86	19.80	19.75	20.8	0
20	QPSK	1	49	19.73	19.48	19.97	19.81	19.77		
20	QPSK	1	99	19.70	19.40	19.87	19.55	19.67	20.8	0
20	QPSK	50	0	19.85	19.39	19.94	19.81	19.65		
20	QPSK	50	24	19.68	19.47	19.95	19.65	19.77	20.8	0
20	QPSK	50	50	19.66	19.37	19.83	19.59	19.73		
20	QPSK	100	0	19.60	19.38	19.83	19.81	19.69	20.8	0
20	16QAM	1	0	19.71	19.45	19.80	19.93	19.65		
20	16QAM	1	49	19.66	19.47	19.54	19.85	19.67	20.8	0
20	16QAM	1	99	19.68	19.40	19.56	19.84	19.65		
20	16QAM	50	0	19.70	19.45	19.63	19.83	19.65	20.8	0
20	16QAM	50	24	19.66	19.42	19.58	19.82	19.67		
20	16QAM	50	50	19.63	19.41	19.57	19.84	19.64	20.8	0
20	16QAM	100	0	19.66	19.46	19.63	19.89	19.71		
20	64QAM	1	0	19.70	19.38	19.62	19.83	19.65	20.8	0
20	64QAM	1	49	19.63	19.47	19.63	19.95	19.77		
20	64QAM	1	99	19.67	19.45	19.60	19.86	19.76	19.8	1
20	64QAM	50	0	18.72	18.44	18.58	18.90	18.77		
20	64QAM	50	24	18.73	18.46	18.57	18.84	18.77	19.8	1
20	64QAM	50	50	18.64	18.42	18.62	18.90	18.68		
20	64QAM	100	0	18.68	18.37	18.59	18.84	18.76		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.58	19.38	19.50	19.77	19.67	20.8	0
15	QPSK	1	37	19.83	19.43	19.49	19.90	19.69		
15	QPSK	1	74	19.62	19.28	19.50	19.76	19.64	20.8	0
15	QPSK	36	0	19.51	19.29	19.51	19.84	19.58		
15	QPSK	36	20	19.54	19.38	19.57	19.84	19.69	20.8	0
15	QPSK	36	39	19.57	19.32	19.46	19.72	19.62		
15	QPSK	75	0	19.65	19.32	19.47	19.82	19.57	20.8	0
15	16QAM	1	0	19.59	19.36	19.55	19.81	19.51		
15	16QAM	1	37	19.55	19.33	19.43	19.73	19.52	20.8	0
15	16QAM	1	74	19.63	19.35	19.44	19.75	19.64		
15	16QAM	36	0	19.55	19.34	19.48	19.76	19.62	20.8	0
15	16QAM	36	20	19.51	19.33	19.46	19.68	19.62		
15	16QAM	36	39	19.58	19.28	19.52	19.80	19.51	20.8	0
15	16QAM	75	0	19.51	19.41	19.57	19.83	19.62		
15	64QAM	1	0	19.56	19.29	19.47	19.78	19.58	20.8	0
15	64QAM	1	37	19.58	19.37	19.57	19.87	19.75		
15	64QAM	1	74	19.56	19.35	19.50	19.82	19.75	19.8	1
15	64QAM	36	0	18.58	18.29	18.48	18.75	18.70		
15	64QAM	36	20	18.60	18.35	18.46	18.70	18.65	19.8	1
15	64QAM	36	39	18.52	18.34	18.55	18.85	18.54		
15	64QAM	75	0	18.56	18.23	18.44	18.70	18.68		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.53	19.41	19.53	19.74	19.64	20.8	0
10	QPSK	1	25	19.61	19.37	19.49	19.83	19.70		
10	QPSK	1	49	19.64	19.28	19.50	19.72	19.66	20.8	0
10	QPSK	25	0	19.56	19.34	19.51	19.84	19.64		
10	QPSK	25	12	19.60	19.33	19.53	19.81	19.77	20.8	0
10	QPSK	25	25	19.56	19.31	19.44	19.68	19.59		
10	QPSK	50	0	19.57	19.24	19.47	19.82	19.57	20.8	0
10	16QAM	1	0	19.60	19.39	19.46	19.85	19.58		
10	16QAM	1	25	19.53	19.42	19.44	19.85	19.65	20.8	0
10	16QAM	1	49	19.63	19.33	19.51	19.83	19.56		
10	16QAM	25	0	19.64	19.35	19.57	19.75	19.59	20.8	0
10	16QAM	25	12	19.60	19.36	19.46	19.76	19.62		
10	16QAM	25	25	19.57	19.35	19.43	19.78	19.53	20.8	0
10	16QAM	50	0	19.50	19.34	19.51	19.89	19.66		
10	64QAM	1	0	19.61	19.30	19.50	19.71	19.52	20.8	0
10	64QAM	1	25	19.55	19.40	19.58	19.92	19.73		
10	64QAM	1	49	19.62	19.39	19.46	19.80	19.76	19.8	1
10	64QAM	25	0	18.65	18.35	18.45	18.84	18.71		
10	64QAM	25	12	18.63	18.34	18.45	18.73	18.73	19.8	1
10	64QAM	25	25	18.59	18.29	18.56	18.80	18.68		
10	64QAM	50	0	18.56	18.25	18.48	18.77	18.70		
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	19.57	19.42	19.49	19.73	19.68	20.8	0
5	QPSK	1	12	19.63	19.38	19.54	19.82	19.73		
5	QPSK	1	24	19.65	19.31	19.42	19.86	19.61	20.8	0
5	QPSK	12	0	19.50	19.31	19.47	19.89	19.54		
5	QPSK	12	7	19.59	19.40	19.56	19.86	19.62	20.8	0
5	QPSK	12	13	19.60	19.31	19.53	19.83	19.67		
5	QPSK	25	0	19.58	19.24	19.47	19.68	19.69	20.8	0
5	16QAM	1	0	19.57	19.37	19.50	19.81	19.56		
5	16QAM	1	12	19.52	19.39	19.42	19.77	19.53	20.8	0
5	16QAM	1	24	19.54	19.32	19.43	19.70	19.55		
5	16QAM	12	0	19.64	19.35	19.52	19.83	19.54	20.8	0
5	16QAM	12	7	19.53	19.38	19.49	19.70	19.63		
5	16QAM	12	13	19.52	19.30	19.45	19.70	19.56	20.8	0
5	16QAM	25	0	19.51	19.40	19.56	19.77	19.58		
5	64QAM	1	0	19.59	19.31	19.52	19.83	19.62	20.8	0
5	64QAM	1	12	19.52	19.37	19.57	19.88	19.69		
5	64QAM	1	24	19.60	19.40	19.48	19.79	19.61	19.8	1
5	64QAM	12	0	18.60	18.36	18.44	18.81	18.74		
5	64QAM	12	7	18.64	18.41	18.49	18.82	18.71	22.8	1
5	64QAM	12	13	18.56	18.30	18.57	18.82	18.60		
5	64QAM	25	0	18.57	18.29	18.45	18.78	18.74		

Band 41 (HPUE)_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.49	22.34	22.51	22.35	22.38	23.8	0
20	QPSK	1	49	22.57	22.35	22.63	22.39	22.48		
20	QPSK	1	99	22.44	22.36	22.61	22.37	22.36	23.8	0
20	QPSK	50	0	22.48	22.33	22.44	22.32	22.38		
20	QPSK	50	24	22.52	22.38	22.53	22.37	22.46	23.8	0
20	QPSK	50	50	22.39	22.35	22.42	22.33	22.32		
20	QPSK	100	0	22.37	22.34	22.45	22.31	22.43	23.8	0
20	16QAM	1	0	22.35	22.36	22.42	22.37	22.33		
20	16QAM	1	49	22.43	22.37	22.57	22.36	22.36	23.8	0
20	16QAM	1	99	22.36	22.32	22.46	22.34	22.32		
20	16QAM	50	0	22.35	22.30	22.39	22.36	22.37	23.8	0
20	16QAM	50	24	22.37	22.32	22.47	22.33	22.44		
20	16QAM	50	50	22.32	22.34	22.39	22.34	22.31	23.8	0
20	16QAM	100	0	22.31	22.36	22.31	22.34	22.32		
20	64QAM	1	0	22.35	22.35	22.39	22.35	22.35	23.8	0
20	64QAM	1	49	22.38	22.34	22.44	22.31	22.35		
20	64QAM	1	99	22.36	22.38	22.39	22.38	22.31	22.8	1
20	64QAM	50	0	21.18	21.03	21.21	21.20	21.25		
20	64QAM	50	24	21.83	21.13	21.24	21.25	21.24	22.8	1
20	64QAM	50	50	21.28	21.17	21.20	21.22	21.13		
20	64QAM	100	0	21.						



Reduced Power for DSI 2

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.50	32.51	32.47	33.00	23.50	23.51	23.47	24.00
GPRS 1 Tx slots	32.48	32.51	32.50	33.00	23.48	23.51	23.50	24.00
GPRS 2 Tx slots	29.43	29.42	29.37	30.00	23.43	23.42	23.37	24.50
GPRS 3 Tx slots	27.38	27.39	27.35	28.50	23.12	23.13	23.09	24.24
GPRS 4 Tx slots	26.42	26.43	26.38	27.50	23.42	23.43	23.38	24.50
EDGE(GMSK) 1 Tx slot	32.51	32.51	32.47	33.00	23.51	23.51	23.47	24.00
EDGE(GMSK) 2 Tx slots	29.39	29.41	29.39	30.50	23.39	23.41	23.39	24.50
EDGE(GMSK) 3 Tx slots	27.35	27.38	27.37	28.50	23.09	23.12	23.11	24.24
EDGE(GMSK) 4 Tx slots	26.38	26.40	26.37	27.50	23.38	23.40	23.37	24.50
EDGE(BPSK) 1 Tx slot	29.33	29.32	29.30	30.50	23.33	23.32	23.30	24.50
EDGE(BPSK) 2 Tx slots	23.36	23.36	23.34	24.50	17.36	17.36	17.34	18.50
EDGE(BPSK) 3 Tx slots	21.71	21.74	21.72	23.00	17.45	17.48	17.46	18.74
EDGE(BPSK) 4 Tx slots	20.18	20.21	20.16	21.00	17.18	17.21	17.16	18.00

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.03	32.09	32.12	33.00	23.03	23.09	23.12	24.00
GPRS 1 Tx slot	32.12	32.15	32.20	33.00	23.12	23.15	23.20	24.00
GPRS 2 Tx slots	29.38	29.34	29.35	30.50	23.38	23.34	23.35	24.50
GPRS 3 Tx slots	27.34	27.27	27.33	28.50	23.08	23.01	23.07	24.24
GPRS 4 Tx slots	26.30	26.31	26.25	27.50	23.30	23.31	23.25	24.50
EDGE(GMSK) 1 Tx slot	31.96	32.09	31.98	33.00	22.96	23.09	22.98	24.00
EDGE(GMSK) 2 Tx slots	29.16	29.31	29.22	30.50	23.16	23.31	23.22	24.50
EDGE(GMSK) 3 Tx slots	27.16	27.22	27.16	28.50	22.90	22.96	22.90	24.24
EDGE(GMSK) 4 Tx slots	26.20	26.22	26.16	27.50	23.20	23.22	23.16	24.50
EDGE(BPSK) 1 Tx slot	29.94	29.98	29.09	27.00	16.94	16.98	17.09	18.00
EDGE(BPSK) 2 Tx slots	23.05	23.07	23.04	24.00	17.05	17.07	17.04	18.00
EDGE(BPSK) 3 Tx slots	21.38	21.37	21.37	22.50	17.12	17.11	17.11	18.24
EDGE(BPSK) 4 Tx slots	19.73	19.73	19.78	21.00	16.73	16.73	16.78	18.00

Band	WCDMA V_Ant 3			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	
Rx Channel	9662	9800	9938	9662	9800	9938	9662	9800	
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
3GPP Rel 99	AMR 12.2Kbps	17.63	17.71	17.88	18.40	22.97	23.02	22.95	23.90
3GPP Rel 99	AMR 12.2Kbps	17.71	17.75	17.71	18.40	22.90	23.04	22.96	23.90
3GPP Rel 6	HSDPA Subtest-1	16.67	16.86	16.79	17.40	21.71	22.03	22.01	22.90
3GPP Rel 6	HSDPA Subtest-2	16.64	16.85	16.76	17.40	21.70	21.97	21.98	22.90
3GPP Rel 6	HSDPA Subtest-3	16.18	16.41	16.38	16.90	21.27	21.50	21.51	22.40
3GPP Rel 6	HSDPA Subtest-4	16.15	16.31	16.31	16.90	21.21	21.48	21.48	22.40
3GPP Rel 6	DC-HSDPA Subtest-1	16.41	16.62	16.47	17.40	21.66	21.89	22.00	22.90
3GPP Rel 6	DC-HSDPA Subtest-2	16.33	16.51	16.52	17.40	21.71	21.86	21.86	22.90
3GPP Rel 6	DC-HSDPA Subtest-3	16.80	16.07	15.97	16.90	21.25	21.47	21.37	22.40
3GPP Rel 6	DC-HSDPA Subtest-4	15.81	16.03	16.00	16.90	21.13	21.39	21.44	22.40
3GPP Rel 6	HSUPA Subtest-1	14.62	14.79	14.75	15.50	20.12	20.17	20.12	21.00
3GPP Rel 6	HSUPA Subtest-2	14.65	14.78	14.75	15.30	19.72	19.98	20.00	20.80
3GPP Rel 6	HSUPA Subtest-3	15.57	15.78	15.73	16.40	20.76	21.04	21.02	21.90
3GPP Rel 6	HSUPA Subtest-4	14.17	14.21	14.34	14.90	19.30	19.54	19.56	20.40
3GPP Rel 6	HSUPA Subtest-5	15.47	15.62	15.58	16.30	20.70	21.00	21.00	21.90
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	14.00	14.15	14.24	15.00	19.59	19.85	19.88	20.50

Band	WCDMA V_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	4132	4162	4233		4132	4162	4233		
TX Channel	4132	4162	4233	4132	4162	4233	4132	4162	
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407	
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4	
3GPP Rel 99	AMR 12.2Kbps	19.99	20.09	20.02	20.40	22.89	22.92	22.91	24.40
3GPP Rel 99	AMR 12.2Kbps	20.06	20.12	20.09	20.40	22.91	22.93	22.92	24.40
3GPP Rel 6	HSDPA Subtest-1	19.06	19.01	19.08	19.40	21.98	21.90	21.96	23.40
3GPP Rel 6	HSDPA Subtest-2	19.06	19.03	19.04	19.40	21.88	21.85	21.89	23.40
3GPP Rel 6	HSDPA Subtest-3	18.63	18.55	18.60	18.90	21.40	21.39	21.41	22.90
3GPP Rel 6	HSDPA Subtest-4	18.58	18.50	18.64	18.90	21.37	21.35	21.39	22.90
3GPP Rel 6	DC-HSDPA Subtest-1	18.99	18.97	19.00	19.40	21.81	21.88	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-2	18.88	18.87	19.06	19.40	21.82	21.80	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-3	18.50	18.48	18.46	18.90	21.29	21.35	21.34	22.90
3GPP Rel 6	DC-HSDPA Subtest-4	18.41	18.45	18.52	18.90	21.33	21.22	21.27	22.90
3GPP Rel 6	HSUPA Subtest-1	17.02	17.03	17.09	17.30	19.84	19.84	19.86	21.30
3GPP Rel 6	HSUPA Subtest-2	17.13	17.12	17.08	17.30	19.83	19.82	19.86	21.30
3GPP Rel 6	HSUPA Subtest-3	16.65	16.63	16.12	16.40	20.65	20.69	20.87	22.40
3GPP Rel 6	HSUPA Subtest-4	16.53	16.52	16.65	16.80	19.25	19.27	19.25	20.80
3GPP Rel 6	HSUPA Subtest-5	18.01	18.01	18.10	18.30	20.90	20.80	20.90	22.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	16.44	16.46	16.58	16.90	19.52	19.51	19.51	20.90

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	26.93	27.10	27.06	27.20	17.93	18.10	18.08	18.20
GPRS 1 Tx slot	26.94	27.11	27.08	27.20	17.94	18.11	18.08	18.20
GPRS 2 Tx slots	22.80	22.99	22.93	24.70	16.80	16.99	16.93	18.70
GPRS 3 Tx slots	21.85	21.89	21.98	22.50	17.59	17.73	17.72	18.24
GPRS 4 Tx slots	21.41	21.58	21.56	21.80	16.41	16.58	16.56	18.80
EDGE(GMSK) 1 Tx slot	26.96	27.10	27.08	27.20	17.96	18.10	18.08	18.20
EDGE(GMSK) 2 Tx slots	22.83	22.98	22.95	24.70	16.83	16.98	16.95	18.70
EDGE(GMSK) 3 Tx slots	21.82	21.97	21.92	22.50	17.56	17.71	17.68	18.24
EDGE(GMSK) 4 Tx slots	21.37	21.55	21.52	21.80	16.37	16.55	16.52	18.80
EDGE(BPSK) 1 Tx slot	23.38	23.52	23.46	24.60	14.38	14.52	14.46	15.00
EDGE(BPSK) 2 Tx slots	19.97	20.12	20.09	20.80	13.97	14.12	14.09	14.80
EDGE(BPSK) 3 Tx slots	17.36	17.52	17.50	18.30	13.10	13.28	13.24	14.04
EDGE(BPSK) 4 Tx slots	16.92	17.06	17.01	17.80	13.02	14.06	14.01	14.80

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	26.97	26.85	26.68	30.20	19.97	19.85	19.68	21.20
GPRS 1 Tx slot	26.96	26.87	26.89	30.20	19.96	19.87	19.89	21.20
GPRS 2 Tx slots	26.46	26.41	26.33	27.70	20.46	20.41	20.33	21.70
GPRS 3 Tx slots	24.11	24.05	23.93	25.60	19.85	19.79	19.67	21.24
GPRS 4 Tx slots	23.26	23.29	23.18	24.80	20.26	20.29	20.18	21.80
EDGE(GMSK) 1 Tx slot	26.79	26.81	26.74	30.20	19.79	19.81	19.74	21.20
EDGE(GMSK) 2 Tx slots	26.41	26.44	26.30	27.70	20.41	20.44	20.30	21.70
EDGE(GMSK) 3 Tx slots	24.20	24.28	24.14	25.50	19.94	20.02	19.88	21.24
EDGE(GMSK) 4 Tx slots	23.39	23.41	23.30	24.80	20.39	20.41	20.30	21.80
EDGE(BPSK) 1 Tx slot	25.73	25.81	25.79	27.00	16.73	16.81	16.79	18.00
EDGE(BPSK) 2 Tx slots	22.50	22.63	22.54	23.80	16.50	16.63	16.54	17.80
EDGE(BPSK) 3 Tx slots	20.04	20.13	20.03	21.30	15.78	15.87	15.77	17.04
EDGE(BPSK) 4 Tx slots	19.52	19.54	19.52	20.80	16.52	16.54	16.52	17.80



Band 2_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	17.17	17.18	17.18	17.8	0		
20	QPSK	1	49	17.27	17.29	17.28				
20	QPSK	1	99	17.13	17.16	17.16				
20	QPSK	50	0	17.15	17.25	17.22				
20	QPSK	50	24	17.16	17.16	17.16				
20	QPSK	50	50	17.13	17.20	17.24	17.8	0		
20	QPSK	100	0	17.18	17.25	17.22				
20	16QAM	1	0	17.25	17.14	17.14				
20	16QAM	1	49	17.23	17.27	17.22				
20	16QAM	1	99	17.20	17.22	17.20				
20	16QAM	50	0	17.22	17.20	17.20				
20	16QAM	50	24	17.24	17.28	17.18				
20	16QAM	50	50	17.19	17.25	17.14				
20	16QAM	100	0	17.19	17.24	17.12				
20	64QAM	1	0	17.18	17.16	17.18				
20	64QAM	1	49	17.12	17.20	17.11	17.8	0		
20	64QAM	1	99	17.15	17.23	17.18				
20	64QAM	50	0	17.20	17.15	17.23				
20	64QAM	50	24	17.22	17.19	17.11				
20	64QAM	50	50	17.17	17.17	17.13	17.8	0		
20	64QAM	100	0	17.14	17.23	17.17				
Channel				18975	18900	19125				
Frequency (MHz)				18925	18900	19025				
15	QPSK	1	0	17.14	17.17	17.16	17.8	0		
15	QPSK	1	37	17.23	17.18	17.15				
15	QPSK	1	74	17.09	17.09	17.07				
15	QPSK	36	0	17.10	17.23	17.21				
15	QPSK	36	20	17.09	17.15	17.18	17.8	0		
15	QPSK	36	39	16.99	17.17	17.13				
15	QPSK	75	0	17.09	17.23	17.21				
15	16QAM	1	0	17.12	17.09	17.01				
15	16QAM	1	74	17.14	17.20	17.11	17.8	0		
15	16QAM	1	74	17.18	17.12	17.11				
15	16QAM	36	0	17.12	17.15	17.10				
15	16QAM	36	20	17.22	17.13	17.15				
15	16QAM	36	39	17.06	17.12	17.11	17.8	0		
15	16QAM	75	0	17.07	17.18	17.03				
15	64QAM	1	0	17.16	17.02	17.12				
15	64QAM	1	37	17.10	17.06	17.08	17.8	0		
15	64QAM	1	74	17.06	17.11	17.11				
15	64QAM	36	0	17.07	17.02	17.16				
15	64QAM	36	20	17.13	17.07	17.04	17.8	0		
15	64QAM	36	39	17.12	17.09	17.08				
15	64QAM	75	0	17.10	17.12	17.06				
Channel				18850	18900	19150				
Frequency (MHz)				18850	18800	19005				
10	QPSK	1	0	17.14	17.05	17.09	17.8	0		
10	QPSK	1	25	17.13	17.23	17.15				
10	QPSK	1	49	17.07	17.12	17.11				
10	QPSK	25	0	17.07	17.11	17.14				
10	QPSK	25	25	17.08	17.13	17.11	17.8	0		
10	QPSK	25	25	17.09	17.09	17.23				
10	QPSK	50	0	17.11	17.15	17.11				
10	16QAM	1	0	17.10	17.07	17.04				
10	16QAM	1	25	17.22	17.26	17.11	17.8	0		
10	16QAM	1	49	17.09	17.08	17.05				
10	16QAM	25	0	17.21	17.15	17.18				
10	16QAM	25	12	17.09	17.25	17.17	17.8	0		
10	16QAM	25	25	17.16	17.10	17.08				
10	16QAM	50	0	17.10	17.10	17.10				
10	64QAM	1	0	17.11	17.04	17.15				
10	64QAM	1	25	17.03	17.15	17.00	17.8	0		
10	64QAM	1	49	17.09	17.12	17.06				
10	64QAM	25	0	17.09	17.11	17.22				
10	64QAM	25	12	17.09	17.14	17.06	17.8	0		
10	64QAM	25	25	17.12	17.11	16.98				
10	64QAM	50	0	17.01	17.12	17.02				
Channel				18925	18900	19175				
Frequency (MHz)				18925	18900	19075				
5	QPSK	1	0	17.16	17.13	17.13	17.8	0		
5	QPSK	1	12	17.15	17.18	17.14				
5	QPSK	1	24	16.99	17.14	17.08				
5	QPSK	12	0	17.10	17.14	17.09				
5	QPSK	12	7	17.10	17.25	17.14	17.8	0		
5	QPSK	12	13	17.12	17.13	17.18				
5	QPSK	25	0	17.10	17.11	17.17				
5	16QAM	1	0	17.14	17.03	17.13				
5	16QAM	1	12	17.16	17.12	17.09	17.8	0		
5	16QAM	1	24	17.12	17.15	17.16				
5	16QAM	12	0	17.13	17.17	17.09				
5	16QAM	12	7	17.20	17.25	17.16	17.8	0		
5	16QAM	12	13	17.08	17.23	17.10				
5	16QAM	25	0	17.15	17.14	17.05				
5	64QAM	1	0	17.10	17.06	17.17				
5	64QAM	1	12	17.02	17.07	17.09	17.8	0		
5	64QAM	1	24	17.14	17.12	17.08				
5	64QAM	12	0	17.16	17.11	17.19				
5	64QAM	12	7	17.19	17.12	17.03	17.8	0		
5	64QAM	12	13	17.11	17.06	16.98				
5	64QAM	25	0	17.01	17.09	17.08				
Channel				18815	18900	19185				
Frequency (MHz)				18815	18800	19085				
3	QPSK	1	0	17.08	17.05	17.03	17.8	0		
3	QPSK	1	8	17.16	17.16	17.20				
3	QPSK	1	14	17.08	17.11	17.07				
3	QPSK	8	0	17.10	17.18	17.17				
3	QPSK	8	4	17.16	17.16	17.17	17.8	0		
3	QPSK	8	7	17.08	17.11	17.20				
3	QPSK	15	0	17.08	17.12	17.16				
3	16QAM	1	0	17.12	17.00	17.06				
3	16QAM	1	8	17.08	17.19	17.11	17.8	0		
3	16QAM	1	14	17.08	17.06	17.15				
3	16QAM	8	0	17.20	17.10	17.17				
3	16QAM	8	4	17.10	17.19	17.14				
3	16QAM	8	7	17.05	17.22	17.06	17.8	0		
3	64QAM	1	0	17.14	17.15	17.09				
3	64QAM	1	8	17.01	17.14	17.04				
3	64QAM	1	14	17.14	17.22	17.12				
3	64QAM	8	0	17.15	17.04	17.10	17.8	0		
3	64QAM	8	4	17.14	17.11	16.97				
3	64QAM	8	7	17.13	17.13	17.01				
3	64QAM	15	0	16.99	17.13	17.02				
Channel				18907	18900	19193				
Frequency (MHz)				18907	18900	19093				
1.4	QPSK	1	0	17.15	17.00	17.05	17.8	0		
1.4	QPSK	1	3	17.22	17.21	17.15				
1.4	QPSK	1	5	17.00	17.13	17.15				
1.4	QPSK	3	0	17.08	17.23	17.18	17.8	0		
1.4	QPSK	3	1	17.10	17.16	17.20				
1.4	QPSK	3	3	17.11	17.15	17.22				
1.4	QPSK	6	0	17.13	17.22	17.11	17.8	0		
1.4	16QAM	1	0	17.16	17.06	17.02				
1.4	16QAM	1	3	17.22	17.24	17.08				
1.4	16QAM	1	5	17.06	17.13	17.17	17.8	0		
1.4	16QAM	3	0	17.19	17.05	17.19				
1.4	16QAM	3	1	17.11	17.26	17.12				
1.4	16QAM	3	3	17.04	17.20	17.09				
1.4	16QAM	6	0	17.12	17.11	16.97	17.8	0		
1.4	64QAM	1	0	17.17	17.11	17.18				
1.4	64QAM	1	3	17.00	17.15	17.04				
1.4	64QAM	1								



Band 4_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				2050	2075	2030				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	22.99	23.10	23.06	24.3	0		
20	QPSK	1	49	23.07	23.20	23.16				
20	QPSK	1	99	23.00	23.04	22.99				
20	QPSK	50	0	22.23	22.26	22.19	23.3	1		
20	QPSK	50	24	22.96	22.97	22.91				
20	QPSK	50	50	22.18	22.24	22.13				
20	QPSK	100	0	22.06	22.08	21.98				
20	16QAM	1	0	22.10	22.23	22.17				
20	16QAM	1	49	22.12	22.25	22.14	23.3	1		
20	16QAM	1	99	22.11	22.23	22.13				
20	16QAM	50	0	21.16	21.24	21.24				
20	16QAM	50	24	21.19	21.21	21.11				
20	16QAM	50	50	21.12	21.14	21.11	22.3	2		
20	16QAM	100	0	21.04	21.08	21.02				
20	64QAM	1	0	21.08	21.13	21.11				
20	64QAM	1	49	21.14	21.19	21.05	22.3	2		
20	64QAM	1	99	21.02	21.12	21.00				
20	64QAM	50	0	20.19	20.24	20.18				
20	64QAM	50	24	20.15	20.27	20.14				
20	64QAM	50	50	20.26	20.28	20.16	21.3	3		
20	64QAM	100	0	20.20	20.23	20.21				
Channel				2050	2075	2030				
Frequency (MHz)				1717.5	1723.5	1731.5				
15	QPSK	1	0	22.98	23.01	23.05	24.3	0		
15	QPSK	1	37	23.03	23.12	23.16				
15	QPSK	1	74	22.87	23.04	22.95				
15	QPSK	36	0	22.20	22.17	22.16	23.3	1		
15	QPSK	36	20	22.17	22.25	22.14				
15	QPSK	36	39	22.15	22.21	22.06				
15	QPSK	75	0	22.04	22.03	21.93				
15	16QAM	1	0	22.10	22.19	22.13	23.3	1		
15	16QAM	1	37	22.12	22.25	22.07				
15	16QAM	1	74	22.00	22.19	22.05				
15	16QAM	36	0	21.13	21.11	21.11	22.3	2		
15	16QAM	36	20	21.13	21.20	21.11				
15	16QAM	36	39	21.10	21.00	21.05				
15	16QAM	75	0	20.95	21.06	20.91				
15	64QAM	1	0	21.01	21.13	21.01				
15	64QAM	1	37	21.13	21.06	20.98	22.3	2		
15	64QAM	1	74	20.97	20.97	20.86				
15	64QAM	36	0	20.08	20.09	20.08				
15	64QAM	36	20	20.10	20.14	20.12				
15	64QAM	36	39	20.21	20.16	20.08	21.3	3		
15	64QAM	75	0	20.11	20.19	20.07				
Channel				2000	2075	2030				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	22.87	23.00	22.93	24.3	0		
10	QPSK	1	25	22.93	23.13	23.10				
10	QPSK	1	49	22.96	22.89	22.87				
10	QPSK	25	0	22.17	22.18	22.07	23.3	1		
10	QPSK	25	25	22.18	22.20	22.08				
10	QPSK	25	25	22.09	22.16	21.99				
10	QPSK	50	0	21.96	21.97	21.83				
10	16QAM	1	0	22.06	22.23	22.14				
10	16QAM	1	25	21.97	22.25	22.05	23.3	1		
10	16QAM	1	49	22.11	22.20	22.08				
10	16QAM	25	0	21.16	21.22	21.24				
10	16QAM	25	12	21.05	21.16	21.29	22.3	2		
10	16QAM	25	25	21.12	21.12	21.08				
10	16QAM	50	0	20.91	20.96	21.02				
10	64QAM	1	0	21.03	21.11	21.03				
10	64QAM	1	25	21.05	21.04	20.97	22.3	2		
10	64QAM	1	49	20.88	21.00	20.93				
10	64QAM	25	0	20.12	20.21	20.05				
10	64QAM	25	12	20.05	20.14	20.10	21.3	3		
10	64QAM	25	25	20.21	20.15	20.06				
10	64QAM	50	0	20.05	20.14	20.08				
Channel				1997.5	2075	2037.5				
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	22.95	22.95	22.92	24.3	0		
5	QPSK	1	12	23.01	23.08	23.09				
5	QPSK	1	24	22.97	23.01	22.90				
5	QPSK	12	0	22.08	22.13	22.04	23.3	1		
5	QPSK	12	7	22.12	22.12	22.09				
5	QPSK	12	13	22.12	22.13	22.10				
5	QPSK	25	0	21.99	21.93	21.83				
5	16QAM	1	0	22.01	22.13	22.03	23.3	1		
5	16QAM	1	12	22.02	22.25	22.08				
5	16QAM	1	24	22.00	22.20	21.98				
5	16QAM	12	0	21.04	21.16	21.11				
5	16QAM	12	7	21.11	21.12	21.01	22.3	2		
5	16QAM	12	13	21.02	21.01	20.96				
5	16QAM	25	0	20.99	21.02	20.99				
5	64QAM	1	0	21.01	20.99	21.11	22.3	2		
5	64QAM	1	12	21.12	21.14	20.94				
5	64QAM	1	24	21.00	21.07	20.93				
5	64QAM	12	0	20.12	20.24	20.10				
5	64QAM	12	7	20.12	20.27	20.10	21.3	3		
5	64QAM	12	13	20.20	20.22	20.12				
5	64QAM	25	0	20.19	20.19	20.06				
Channel				1995	2075	2039				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	22.89	23.00	22.91	24.3	0		
3	QPSK	1	8	22.97	23.10	23.15				
3	QPSK	1	14	22.95	22.91	22.90				
3	QPSK	8	0	22.22	22.26	22.04	23.3	1		
3	QPSK	8	4	22.13	22.14	22.07				
3	QPSK	8	7	22.16	22.09	22.13				
3	QPSK	15	0	21.98	21.97	21.87				
3	16QAM	1	0	22.05	22.11	22.09	23.3	1		
3	16QAM	1	8	22.10	22.17	22.08				
3	16QAM	1	14	21.98	22.16	22.02				
3	16QAM	8	0	21.16	21.19	21.16				
3	16QAM	8	4	21.08	21.11	21.01	22.3	2		
3	16QAM	8	7	20.97	21.06	21.05				
3	16QAM	15	0	20.98	21.02	20.94				
3	64QAM	1	0	21.05	21.13	20.99	22.3	2		
3	64QAM	1	8	21.07	21.09	20.96				
3	64QAM	1	14	21.02	21.12	20.92				
3	64QAM	8	0	20.12	20.24	20.05				
3	64QAM	8	4	20.10	20.14	20.09	21.3	3		
3	64QAM	8	7	20.25	20.21	20.10				
3	64QAM	15	0	20.16	20.22	20.09				
Channel				1957	2075	2039				
Frequency (MHz)				1717	1732.5	1743				
1.4	QPSK	1	0	22.88	22.99	23.00	24.3	0		
1.4	QPSK	1	3	23.00	23.08	23.07				
1.4	QPSK	1	5	22.86	22.91	22.91				
1.4	QPSK	3	0	22.78	22.96	22.96	23.3	1		
1.4	QPSK	3	1	22.87	23.02	23.05				
1.4	QPSK	3	3	22.86	22.77	22.88				
1.4	QPSK	6	0	22.06	21.98	21.83	23.3	1		
1.4	16QAM	1	0	22.10	22.08	22.09				
1.4	16QAM	1	3	21.96	22.10	22.04				
1.4	16QAM	1	11	20.99	21.18	22.08	23.3	1		
1.4	16QAM	3	0	21.99	21.99	21.98				
1.4	16QAM	3	1	21.83	22.05	21.89				
1.4	16QAM	3	3	21.99	22.09	21.99	22.3	2		
1.4	16QAM	6	0	20.96	21.02	20.98				
1.4	64QAM	1	0	21.00	21.04	21.07				
1.										



Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.17	23.20	23.05			24.5	0
10	QPSK	1	25	23.20	23.26	23.20				
10	QPSK	1	49	23.06	23.17	23.11				
10	QPSK	25	0	22.21	22.36	22.32			23.5	1
10	QPSK	25	12	22.30	22.47	22.38				
10	QPSK	25	25	22.33	22.36	22.22				
10	QPSK	50	0	22.42	22.44	22.30				
10	16QAM	1	0	22.29	22.35	22.20			23.5	1
10	16QAM	1	25	22.24	22.36	22.38				
10	16QAM	1	49	22.27	22.24	22.28				
10	16QAM	25	0	21.09	21.12	21.11				
10	16QAM	25	12	21.19	21.20	21.05			22.5	2
10	16QAM	25	25	21.08	21.16	21.10				
10	16QAM	50	0	21.11	21.14	21.05				
10	64QAM	1	0	21.30	21.22	21.20			22.5	2
10	64QAM	1	25	21.25	21.21	21.19				
10	64QAM	1	49	21.17	21.31	21.23				
10	64QAM	25	0	20.08	20.13	20.11				
10	64QAM	25	12	20.13	20.24	20.19			21.5	3
10	64QAM	25	25	20.19	20.21	20.16				
10	64QAM	50	0	20.07	20.10	20.12				
Channel										
Frequency (MHz)				20450	20525	20600				
Frequency (MHz)				829.5	836.5	846.5				
5	QPSK	1	0	23.07	23.10	22.91			24.5	0
5	QPSK	1	12	23.06	23.12	23.18				
5	QPSK	1	24	22.96	23.12	22.97				
5	QPSK	12	0	21.91	22.07	22.04			23.5	1
5	QPSK	12	7	22.03	22.20	22.13				
5	QPSK	12	13	22.04	22.07	21.98				
5	QPSK	25	0	22.11	22.16	21.97				
5	16QAM	1	0	22.02	22.10	22.07			23.5	1
5	16QAM	1	24	22.06	22.10	22.07				
5	16QAM	1	24	21.97	22.09	22.04				
5	16QAM	12	0	20.97	21.02	21.05			22.5	2
5	16QAM	12	7	21.18	21.20	21.04				
5	16QAM	12	13	20.98	21.03	21.03				
5	16QAM	25	0	21.04	21.01	21.00				
5	64QAM	1	0	21.17	21.03	21.01			22.5	2
5	64QAM	1	12	21.00	20.96	20.99				
5	64QAM	1	24	21.00	21.12	21.08				
5	64QAM	12	0	19.93	20.02	20.11			21.5	3
5	64QAM	12	7	20.08	20.22	20.13				
5	64QAM	12	13	20.10	20.20	20.09				
5	64QAM	25	0	19.98	20.09	20.09				
Channel										
Frequency (MHz)				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.10	23.16	23.15			24.5	0
3	QPSK	1	8	23.20	23.25	23.17				
3	QPSK	1	14	23.05	23.17	23.08				
3	QPSK	8	0	21.99	22.01	22.12			23.5	1
3	QPSK	8	4	22.15	22.17	22.10				
3	QPSK	8	7	22.05	22.12	21.98				
3	QPSK	15	0	22.19	22.11	22.03				
3	16QAM	1	0	22.11	22.24	22.13			23.5	1
3	16QAM	1	8	22.14	22.23	22.10				
3	16QAM	1	14	22.01	22.19	22.07				
3	16QAM	8	0	20.98	21.11	21.09			22.5	2
3	16QAM	8	4	21.19	21.11	21.04				
3	16QAM	8	7	20.98	21.16	21.04				
3	16QAM	15	0	21.00	21.07	20.93				
3	64QAM	1	0	21.11	21.08	21.03			22.5	2
3	64QAM	1	8	21.09	21.09	21.09				
3	64QAM	1	14	20.96	21.09	20.99				
3	64QAM	8	0	20.08	20.00	20.04			21.5	3
3	64QAM	8	4	20.07	20.23	20.12				
3	64QAM	8	7	20.05	20.12	20.18				
3	64QAM	15	0	20.03	20.18	19.97				
Channel										
Frequency (MHz)				20407	20525	20643				
Frequency (MHz)				827.7	836.5	848.3				
1.4	QPSK	1	0	23.11	23.15	22.91			24.5	0
1.4	QPSK	1	3	23.10	23.20	23.18				
1.4	QPSK	1	5	22.95	23.08	22.97				
1.4	QPSK	3	0	23.05	23.02	22.84				
1.4	QPSK	3	1	23.10	23.07	23.16			23.5	1
1.4	QPSK	3	3	22.87	23.06	22.87				
1.4	QPSK	6	0	22.15	22.22	22.09				
1.4	16QAM	1	0	22.10	22.25	22.10			23.5	1
1.4	16QAM	1	3	22.12	22.19	22.11				
1.4	16QAM	1	5	22.05	22.08	21.95				
1.4	16QAM	3	0	22.02	22.19	22.01			22.5	2
1.4	16QAM	3	1	22.06	22.18	22.11				
1.4	16QAM	3	3	21.93	21.93	21.91				
1.4	16QAM	6	0	21.02	21.10	20.94			22.5	2
1.4	64QAM	1	0	21.12	21.12	21.00				
1.4	64QAM	1	3	21.02	21.04	20.96				
1.4	64QAM	1	5	21.06	21.12	21.07			22.5	2
1.4	64QAM	3	0	21.08	21.10	20.95				
1.4	64QAM	3	1	20.89	20.96	20.87				
1.4	64QAM	3	3	21.06	21.12	20.95			21.5	3
1.4	64QAM	6	0	19.97	20.19	20.06				

Band 7_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.07	16.21	16.14			17.3	0
20	QPSK	1	49	16.23	16.29	16.17				
20	QPSK	1	99	16.08	16.16	16.14				
20	QPSK	50	0	16.04	16.16	16.18			17.3	0
20	QPSK	50	24	16.15	16.22	16.20				
20	QPSK	50	50	16.14	16.21	16.03				
20	QPSK	100	0	16.15	16.18	16.02				
20	16QAM	1	0	16.20	16.19	16.06			17.3	0
20	16QAM	1	49	16.20	16.18	16.05				
20	16QAM	1	99	16.17	16.19	16.15				
20	16QAM	50	0	16.09	16.18	16.21				
20	16QAM	50	24	16.02	16.19	16.12			17.3	0
20	16QAM	50	50	16.14	16.27	16.16				
20	16QAM	100	0	16.19	16.21	16.08				
20	64QAM	1	0	16.11	16.16	16.18			17.3	0
20	64QAM	1	49	16.06	16.21	16.25				
20	64QAM	1	99	16.07	16.21	16.23				
20	64QAM	50	0	16.04	16.15	16.12				
20	64QAM	50	24	16.20	16.08	16.03			17.3	0
20	64QAM	50	50	16.24	16.18	16.15				
20	64QAM	100	0	16.13	16.28	16.14				
Channel										
Frequency (MHz)				20925	21100	21375				
Frequency (MHz)				2097.5	2535	2592.5				
15	QPSK	1	0	15.93	16.14	16.02			17.3	0
15	QPSK	1	37	16.17	16.24	16.12				
15	QPSK	1	74	16.02	16.10	16.00				
15	QPSK	36	0	15.93	16.08	16.09			17.3	0
15	QPSK	36	20	16.06	16.14	16.15				
15	QPSK	36	39	16.00	16.09	15.89				
15	QPSK	75	0	16.10	16.10	15.91				
15	16QAM	1	0	16.07	16.05	15.95			17.3	0
15	16QAM	1	37	16.15	16.07	16.00				
15	16QAM	1	74	16.09	16.05	16.00				
15	16QAM	36	0	15.95	16.09	16.14			17.3	0
15	16QAM	36	20	15.94	16.05	15.99				



Band 7_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.48	20.43	20.29	21.8	0		
20	QPSK	1	49	20.52	20.56	20.40				
20	QPSK	1	99	20.46	20.50	20.21				
20	QPSK	50	0	20.51	20.43	20.27	21.8	0		
20	QPSK	50	24	20.36	20.55	20.38				
20	QPSK	50	50	20.51	20.52	20.26				
20	QPSK	100	0	20.43	20.30	20.31	21.8	0		
20	16QAM	1	0	20.45	20.48	20.33				
20	16QAM	1	49	20.44	20.44	20.37				
20	16QAM	1	99	20.48	20.44	20.30	21.8	0		
20	16QAM	50	0	20.48	20.40	20.34				
20	16QAM	50	24	20.54	20.40	20.32				
20	16QAM	50	50	20.42	20.44	20.35	21.8	0		
20	16QAM	100	0	20.52	20.50	20.27				
20	64QAM	1	0	20.48	20.48	20.30				
20	64QAM	1	49	20.50	20.50	20.28	21.8	0		
20	64QAM	1	99	20.45	20.46	20.36				
20	64QAM	50	0	19.95	19.96	19.78				
20	64QAM	50	24	19.97	19.92	19.86	21.3	0.5		
20	64QAM	50	50	20.05	19.99	19.80				
20	64QAM	100	0	19.96	20.03	19.84				
Channel				20905	21100	21310	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	20.42	20.38	20.24	21.8	0		
15	QPSK	1	37	20.42	20.50	20.25				
15	QPSK	1	74	20.36	20.43	20.14				
15	QPSK	36	0	20.37	20.32	20.15	21.8	0		
15	QPSK	36	20	20.48	20.46	20.28				
15	QPSK	36	39	20.43	20.46	20.13				
15	QPSK	75	0	20.38	20.36	20.26	21.8	0		
15	16QAM	1	0	20.34	20.42	20.27				
15	16QAM	1	37	20.31	20.37	20.29				
15	16QAM	1	74	20.41	20.29	20.20	21.8	0		
15	16QAM	36	0	20.37	20.41	20.22				
15	16QAM	36	20	20.42	20.34	20.20				
15	16QAM	36	39	20.35	20.33	20.23	21.8	0		
15	16QAM	75	0	20.42	20.36	20.20				
15	64QAM	1	0	20.34	20.34	20.23				
15	64QAM	1	37	20.40	20.35	20.22	21.8	0		
15	64QAM	1	74	20.30	20.32	20.25				
15	64QAM	36	0	19.82	19.85	19.62				
15	64QAM	36	20	19.87	19.85	19.73	21.3	0.5		
15	64QAM	36	39	19.94	19.94	19.71				
15	64QAM	75	0	19.82	19.86	19.70				
Channel				20800	21100	21400	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	20.36	20.37	20.15	21.8	0		
10	QPSK	1	25	20.38	20.48	20.29				
10	QPSK	1	49	20.32	20.37	20.10				
10	QPSK	25	0	20.45	20.33	20.19	21.8	0		
10	QPSK	25	12	20.44	20.46	20.29				
10	QPSK	25	25	20.37	20.42	20.12				
10	QPSK	50	0	20.32	20.36	20.25	21.8	0		
10	16QAM	1	0	20.30	20.35	20.25				
10	16QAM	1	25	20.29	20.39	20.29				
10	16QAM	1	49	20.42	20.39	20.20	21.8	0		
10	16QAM	25	0	20.35	20.36	20.24				
10	16QAM	25	12	20.40	20.32	20.26				
10	16QAM	25	25	20.37	20.34	20.22	21.8	0		
10	16QAM	50	0	20.37	20.36	20.14				
10	64QAM	1	0	20.43	20.41	20.20				
10	64QAM	1	25	20.44	20.45	20.20	21.8	0		
10	64QAM	1	49	20.37	20.40	20.23				
10	64QAM	25	0	19.86	19.91	19.61				
10	64QAM	25	12	19.85	19.77	19.74	21.3	0.5		
10	64QAM	25	25	20.00	19.94	19.73				
10	64QAM	50	0	19.85	19.90	19.79				
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.41	20.38	20.19	21.8	0		
5	QPSK	1	12	20.43	20.48	20.29				
5	QPSK	1	24	20.32	20.37	20.12				
5	QPSK	12	0	20.45	20.28	20.13	21.8	0		
5	QPSK	12	7	20.43	20.42	20.26				
5	QPSK	12	13	20.43	20.43	20.15				
5	QPSK	25	0	20.32	20.44	20.21	21.8	0		
5	16QAM	1	0	20.34	20.40	20.21				
5	16QAM	1	12	20.30	20.31	20.26				
5	16QAM	1	24	20.36	20.34	20.18	21.8	0		
5	16QAM	12	0	20.39	20.45	20.25				
5	16QAM	12	7	20.45	20.35	20.22				
5	16QAM	12	13	20.35	20.34	20.21	21.8	0		
5	16QAM	25	0	20.37	20.40	20.19				
5	64QAM	1	0	20.37	20.39	20.16				
5	64QAM	1	12	20.43	20.35	20.22	21.8	0		
5	64QAM	1	24	20.38	20.37	20.22				
5	64QAM	12	0	19.88	19.88	19.64				
5	64QAM	12	7	19.88	19.79	19.81	21.3	0.5		
5	64QAM	12	13	19.97	19.93	19.69				
5	64QAM	25	0	19.84	19.95	19.79				

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.28	24.26	24.21	24.7	0		
10	QPSK	1	25	24.31	24.42	24.28				
10	QPSK	1	49	24.25	24.25	24.26				
10	QPSK	25	0	23.36	23.42	23.33	23.7	1		
10	QPSK	25	12	23.41	23.44	23.42				
10	QPSK	25	25	23.39	23.37	23.41				
10	QPSK	50	0	22.40	23.43	23.39	23.7	1		
10	16QAM	1	0	23.30	23.32	23.29				
10	16QAM	1	25	23.27	23.29	23.28				
10	16QAM	1	49	23.25	23.28	23.29	23.7	1		
10	16QAM	25	0	22.28	22.28	22.25				
10	16QAM	25	12	22.26	22.31	22.26				
10	16QAM	25	25	22.30	22.34	22.29	22.7	2		
10	16QAM	50	0	22.29	22.21	22.30				
10	64QAM	1	0	22.21	22.19	22.20				
10	64QAM	1	25	22.17	22.27	22.23	22.7	2		
10	64QAM	1	49	22.27	22.29	22.18				
10	64QAM	25	0	21.26	21.18	21.22				
10	64QAM	25	12	21.39	21.30	21.19	21.7	3		
10	64QAM	25	25	21.38	21.29	21.29				
10	64QAM	50	0	21.29	21.24	21.26				
Channel				23035	23095	23165	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.16	24.18	24.10	24.7	0		
5	QPSK	1	12	24.19	24.23	24.22				
5	QPSK	1	24	24.16	24.22	24.20				
5	QPSK	12	0	23.33	23.31	23.19	23.7	1		
5	QPSK	12	7	23.38	23.37	23.28				
5	QPSK	12	13	23.25	23.32	23.35				
5	QPSK	25	0	23.27	23.28	23.38	23.7	1		
5	16QAM	1	0	23.17	23.21	23.26				
5	16QAM	1	12	23.12	23.16	23.18				
5	16QAM	1	24	23.14	23.11	23.24	23.7	1		
5	16QAM	12	0	22.24	22.27	22.14				
5	16QAM	12	7	22.18	22.17	22.17				
5	16QAM	12	13	22.15	22.32	22.19	22.7	2		
5	16QAM	25	0	22.23	22.11	22.27				
5	64QAM	1	0	22.10	22.12	22.16				
5	64QAM	1	12	22.09	22.12	22.08	22.7	2		
5	64QAM	1	24	22.26	22.24	22.15				
5	64QAM	12	0	21.23	21.08	21.08				



Band 13_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0	21.15			21.5	0		
10	QPSK	1	25	21.29						
10	QPSK	1	49	21.14						
10	QPSK	25	0	21.13			21.5	0		
10	QPSK	25	12	21.25						
10	QPSK	25	25	21.20						
10	QPSK	50	0	21.13			21.5	0		
10	16QAM	1	0	21.16						
10	16QAM	1	25	21.26						
10	16QAM	1	49	21.15			21.5	0		
10	16QAM	25	0	21.15						
10	16QAM	25	12	21.26						
10	16QAM	25	25	21.23			21.5	0		
10	16QAM	50	0	21.21						
10	64QAM	1	0	21.22						
10	64QAM	1	25	21.28			21.5	0		
10	64QAM	1	49	21.23						
10	64QAM	25	0	20.21						
10	64QAM	25	12	20.20			20.5	1		
10	64QAM	25	25	20.19						
10	64QAM	50	0	20.15						
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0	21.08	21.05	21.10	21.5	0		
5	QPSK	1	12	21.23	21.24	21.14				
5	QPSK	1	24	21.07	20.99	21.06				
5	QPSK	12	0	21.03	21.05	21.04	21.5	0		
5	QPSK	12	7	21.10	21.18	21.18				
5	QPSK	12	13	21.06	21.13	21.11				
5	QPSK	25	0	21.05	21.05	21.00	21.5	0		
5	16QAM	1	0	21.09	21.09	21.06				
5	16QAM	1	12	21.20	21.15	21.15				
5	16QAM	1	24	21.06	21.10	21.09	21.5	0		
5	16QAM	12	0	21.03	21.03	21.06				
5	16QAM	12	7	21.11	21.17	21.20				
5	16QAM	12	13	21.13	21.15	21.12	21.5	0		
5	16QAM	25	0	21.12	21.11	21.10				
5	64QAM	1	0	21.13	21.16	21.13				
5	64QAM	1	12	21.19	21.18	21.16	21.5	0		
5	64QAM	1	24	21.10	21.11	21.08				
5	64QAM	12	0	20.10	20.15	20.10				
5	64QAM	12	7	20.06	20.11	20.10	20.5	1		
5	64QAM	12	13	20.09	20.04	20.08				
5	64QAM	25	0	20.09	20.05	20.03				

Band 13_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0	22.19			23.5	0		
10	QPSK	1	25	22.23						
10	QPSK	1	49	22.19						
10	QPSK	25	0	21.23			22.5	1		
10	QPSK	25	12	21.28						
10	QPSK	25	25	21.25						
10	QPSK	50	0	21.22			22.5	1		
10	16QAM	1	0	21.47						
10	16QAM	1	25	21.54						
10	16QAM	1	49	21.44			21.5	2		
10	16QAM	25	0	20.24						
10	16QAM	25	12	20.21						
10	16QAM	25	25	20.25			21.5	2		
10	16QAM	50	0	20.25						
10	64QAM	1	0	20.35						
10	64QAM	1	25	20.32			21.5	2		
10	64QAM	1	49	20.32						
10	64QAM	25	0	19.23						
10	64QAM	25	12	19.24			20.5	3		
10	64QAM	25	25	19.22						
10	64QAM	50	0	19.24						
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0	22.08	22.16	22.08	23.5	0		
5	QPSK	1	12	22.12	22.10	22.13				
5	QPSK	1	24	22.19	22.04	22.04				
5	QPSK	12	0	21.21	21.17	21.23	22.5	1		
5	QPSK	12	7	21.15	21.13	21.13				
5	QPSK	12	13	21.18	21.11	21.22				
5	QPSK	25	0	21.16	21.21	21.15	22.5	1		
5	16QAM	1	0	21.47	21.40	21.44				
5	16QAM	1	12	21.39	21.39	21.45				
5	16QAM	1	24	21.30	21.31	21.42	21.5	2		
5	16QAM	12	0	20.13	20.14	20.18				
5	16QAM	12	7	20.07	20.08	20.15				
5	16QAM	12	13	20.20	20.22	20.17	21.5	2		
5	16QAM	25	0	20.13	20.21	20.23				
5	64QAM	1	0	20.32	20.28	20.23				
5	64QAM	1	12	20.18	20.32	20.20	21.5	2		
5	64QAM	1	24	20.23	20.32	20.27				
5	64QAM	12	0	19.20	19.15	19.23				
5	64QAM	12	7	19.24	19.24	19.16	20.5	3		
5	64QAM	12	13	19.07	19.16	19.22				
5	64QAM	25	0	19.19	19.15	19.11				

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23780						
Frequency (MHz)				709						
10	QPSK	1	0	24.27	24.24	24.21	24.7	0		
10	QPSK	1	25	24.38	24.39	24.32				
10	QPSK	1	49	24.31	24.32	24.21				
10	QPSK	25	0	23.20	23.22	23.28	23.7	1		
10	QPSK	25	12	23.27	23.38	23.21				
10	QPSK	25	25	23.36	23.26	23.21				
10	QPSK	50	0	23.25	23.32	23.30	23.7	1		
10	16QAM	1	0	22.69	22.83	23.22				
10	16QAM	1	25	22.67	22.85	22.83				
10	16QAM	1	49	22.92	22.90	23.26	23.7	1		
10	16QAM	25	0	22.20	22.19	22.19				
10	16QAM	25	12	22.26	22.32	22.21				
10	16QAM	25	25	22.32	22.26	22.32	22.7	2		
10	16QAM	50	0	22.27	22.23	22.25				
10	64QAM	1	0	22.32	22.38	22.32				
10	64QAM	1	25	22.54	22.58	22.27	22.7	2		
10	64QAM	1	49	22.51	22.05	22.33				
10	64QAM	25	0	21.18	21.19	21.26				
10	64QAM	25	12	21.23	21.22	21.27	21.7	3		
10	64QAM	25	25	21.29	21.27	21.36				
10	64QAM	50	0	21.14	21.25	21.35				
Channel				23755						
Frequency (MHz)				710						
5	QPSK	1	0	24.13	24.07	24.03	24.7	0		
5	QPSK	1	12	24.37	24.25	24.16				
5	QPSK	1	24	24.08	24.13	24.10				
5	QPSK	12	0	23.18	23.19	23.22	23.7	1		
5	QPSK	12	7	23.18	23.20	23.23				
5	QPSK	12	13	23.19	23.21	23.19				
5	QPSK	25	0	23.15	23.21	23.16	23.7	1		
5	16QAM	1	0	23.04	23.17	23.11				
5	16QAM	1	12	23.16	23.20	23.04				
5	16QAM	1	24	23.11	23.20	23.10	22.7	2		
5	16QAM	12	0	22.01	22.05	21.88				
5	16QAM	12	7	22.08	22.16	21.96				
5	16QAM	12	13	22.21	22.13	22.21	22.7	2		
5	16QAM	25	0	22.14	22.12	22.03				
5	64QAM	1	0	21.82	21.83	21.78				
5	64QAM	1	12	21.96	21.99	21.90	22.7	2		
5	64QAM	1	24	22.09	22.05	22.14				
5	64QAM	12	0	20.94	20.96	21.10				
5	64QAM	12	7	21.06	21.00	21.05	21.7	3		
5	64QAM	12	13	21.04	21.13	21.19				
5	64QAM	25	0	21.03	21.00	21.14				



Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23810				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.26	23.27	23.33	24.7	0		
10	QPSK	1	25	23.38	23.41	23.35				
10	QPSK	1	49	23.29	23.37	23.34				
10	QPSK	25	0	22.49	22.46	22.40	23.7	1		
10	QPSK	25	12	22.56	22.54	22.33				
10	QPSK	25	25	22.42	22.33	22.33				
10	QPSK	50	0	22.50	22.52	22.51	23.7	1		
10	16QAM	1	0	22.45	22.45	22.38				
10	16QAM	1	25	22.39	22.50	22.40				
10	16QAM	1	49	22.33	22.26	22.32	22.7	2		
10	16QAM	25	0	21.52	21.44	21.47				
10	16QAM	25	12	21.30	21.39	21.36				
10	16QAM	25	25	21.52	21.50	21.44	22.7	2		
10	16QAM	50	0	21.48	21.47	21.53				
10	64QAM	1	0	21.46	21.37	21.38				
10	64QAM	1	25	21.23	21.26	21.35	22.7	2		
10	64QAM	1	49	21.49	21.37	21.37				
10	64QAM	25	0	20.43	20.45	20.41				
10	64QAM	25	12	20.34	20.42	20.45	21.7	3		
10	64QAM	25	25	20.47	20.49	20.48				
10	64QAM	50	0	20.48	20.46	20.47				
Channel				23715	23790	23825	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.22	23.24	23.27	24.7	0		
5	QPSK	1	12	23.26	23.31	23.32				
5	QPSK	1	24	23.29	23.36	23.26				
5	QPSK	12	0	22.41	22.37	22.28	23.7	1		
5	QPSK	12	7	22.49	22.50	22.51				
5	QPSK	12	13	22.32	22.32	22.22				
5	QPSK	25	0	22.48	22.43	22.40	23.7	1		
5	16QAM	1	0	22.39	22.44	22.35				
5	16QAM	1	12	22.28	22.38	22.29				
5	16QAM	1	24	22.28	22.17	22.32	22.7	2		
5	16QAM	12	0	21.37	21.39	21.40				
5	16QAM	12	7	21.16	21.31	21.30				
5	16QAM	12	13	21.40	21.35	21.31	22.7	2		
5	16QAM	25	0	21.34	21.35	21.42				
5	64QAM	1	0	21.38	21.37	21.27				
5	64QAM	1	12	21.11	21.23	21.28	22.7	2		
5	64QAM	1	24	21.45	21.32	21.32				
5	64QAM	12	0	20.34	20.40	20.38				
5	64QAM	12	7	20.21	20.39	20.38	21.7	3		
5	64QAM	12	13	20.42	20.39	20.32				
5	64QAM	25	0	20.33	20.36	20.45				

Band 26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	19.70	19.75	19.75	20.1	0		
15	QPSK	1	37	19.75	19.79	19.76				
15	QPSK	1	74	19.75	19.66	19.75				
15	QPSK	36	0	19.70	19.72	19.65	20.1	0		
15	QPSK	36	39	19.72	19.73	19.61				
15	QPSK	36	78	19.71	19.75	19.70				
15	QPSK	75	0	19.67	19.68	19.64	20.1	0		
15	16QAM	1	0	19.72	19.66	19.77				
15	16QAM	1	37	19.78	19.72	19.76				
15	16QAM	1	74	19.68	19.65	19.72	20.1	0		
15	16QAM	36	0	19.73	19.77	19.68				
15	16QAM	36	20	19.74	19.73	19.77				
15	16QAM	36	39	19.75	19.71	19.73	20.1	0		
15	16QAM	75	0	19.74	19.74	19.74				
15	64QAM	1	0	19.72	19.75	19.71				
15	64QAM	1	37	19.75	19.67	19.75	20.1	0		
15	64QAM	1	74	19.78	19.71	19.69				
15	64QAM	36	0	19.68	19.78	19.73				
15	64QAM	36	20	19.76	19.72	19.75	20.1	0		
15	64QAM	36	39	19.75	19.71	19.69				
15	64QAM	75	0	19.73	19.75	19.75				
Channel				26740	26865	26990	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819.5	831.5	844				
10	QPSK	1	0	19.61	19.69	19.66	20.1	0		
10	QPSK	1	25	19.61	19.70	19.65				
10	QPSK	1	49	19.61	19.51	19.61				
10	QPSK	25	0	19.62	19.65	19.62	20.1	0		
10	QPSK	25	12	19.66	19.61	19.64				
10	QPSK	25	25	19.62	19.68	19.63				
10	QPSK	50	0	19.67	19.68	19.60	20.1	0		
10	16QAM	1	0	19.64	19.51	19.64				
10	16QAM	1	25	19.72	19.61	19.65				
10	16QAM	1	49	19.60	19.59	19.58	20.1	0		
10	16QAM	25	0	19.68	19.62	19.63				
10	16QAM	25	12	19.67	19.61	19.69				
10	16QAM	25	25	19.60	19.64	19.66	20.1	0		
10	16QAM	50	0	19.62	19.59	19.64				
10	64QAM	1	0	19.58	19.69	19.62				
10	64QAM	1	25	19.69	19.52	19.62	20.1	0		
10	64QAM	1	49	19.71	19.61	19.61				
10	64QAM	25	0	19.62	19.68	19.68				
10	64QAM	25	12	19.63	19.59	19.66	20.1	0		
10	64QAM	25	25	19.62	19.66	19.58				
10	64QAM	50	0	19.61	19.61	19.67				
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	19.58	19.65	19.60	20.1	0		
5	QPSK	1	12	19.61	19.74	19.66				
5	QPSK	1	24	19.65	19.59	19.64				
5	QPSK	12	0	19.57	19.61	19.51	20.1	0		
5	QPSK	12	7	19.60	19.68	19.61				
5	QPSK	12	13	19.64	19.65	19.56				
5	QPSK	25	0	19.65	19.67	19.65	20.1	0		
5	16QAM	1	0	19.66	19.55	19.69				
5	16QAM	1	12	19.66	19.66	19.61				
5	16QAM	1	24	19.62	19.57	19.67	20.1	0		
5	16QAM	12	0	19.67	19.69	19.55				
5	16QAM	12	7	19.63	19.58	19.65				
5	16QAM	12	13	19.69	19.65	19.64	20.1	0		
5	16QAM	25	0	19.68	19.59	19.62				
5	64QAM	1	0	19.64	19.64	19.65				
5	64QAM	1	12	19.66	19.54	19.68	20.1	0		
5	64QAM	1	24	19.65	19.58	19.55				
5	64QAM	12	0	19.59	19.63	19.62				
5	64QAM	12	7	19.64	19.61	19.64	20.1	0		
5	64QAM	12	13	19.67	19.66	19.62				
5	64QAM	25	0	19.67	19.63	19.64				
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	19.60	19.63	19.62	20.1	0		
3	QPSK	1	8	19.68	19.70	19.70				
3	QPSK	1	14	19.66	19.56	19.62				
3	QPSK	8	0	19.62	19.65	19.51	20.1	0		
3	QPSK	8	4	19.70	19.63	19.66				
3	QPSK	8	7	19.58	19.70	19.64				
3	QPSK	15	0	19.64	19.68	19.64	20.1	0		
3	16QAM	1	0	19.58	19.56	19.72				
3	16QAM	1	8	19.65	19.65	19.67				
3	16QAM	1	14	19.67	19.63	19.60	20.1	0		
3	16QAM	8	0	19.63	19.73	19.66				
3	16QAM	8	4	19.68	19.71	19.54				
3	16QAM	8	4	19.61	19.64	19.70	20.1	0		
3	16QAM	8	7	19.63	19.61	19.63				
3	16QAM	15	0	19.62	19.67	19.61				
3	64QAM	1	0	19.58	19.67	19.65	20.1	0		
3	64QAM	1	8	19.68	19.59	19.66				
3	64QAM	1	14	19.67	19.63	19.60				
3	64QAM	8	0	19.53						



Band 66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.66	18.76	18.76	19.3	0		
20	QPSK	1	49	18.68	18.85	18.78				
20	QPSK	1	99	18.65	18.77	18.77				
20	QPSK	50	0	18.70	18.76	18.77	19.3	0		
20	QPSK	50	24	18.56	18.76	18.78				
20	QPSK	50	50	18.66	18.78	18.76				
20	QPSK	100	0	18.67	18.81	18.75	19.3	0		
20	16QAM	1	0	18.68	18.82	18.83				
20	16QAM	1	49	18.66	18.79	18.77				
20	16QAM	1	99	18.74	18.81	18.73	19.3	0		
20	16QAM	50	0	18.73	18.81	18.73				
20	16QAM	50	24	18.66	18.77	18.83				
20	16QAM	50	50	18.74	18.84	18.76	19.3	0		
20	16QAM	100	0	18.67	18.77	18.78				
20	64QAM	1	0	18.69	18.84	18.77				
20	64QAM	1	49	18.73	18.83	18.75	19.3	0		
20	64QAM	1	99	18.68	18.84	18.78				
20	64QAM	50	0	18.67	18.81	18.81				
20	64QAM	50	24	18.75	18.84	18.80	19.3	0		
20	64QAM	50	50	18.66	18.78	18.80				
20	64QAM	100	0	18.73	18.81	18.74				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.69	18.79	18.71	19.3	0		
15	QPSK	1	37	18.53	18.69	18.69				
15	QPSK	1	74	18.61	18.69	18.71				
15	QPSK	36	0	18.63	18.73	18.82	19.3	0		
15	QPSK	36	20	18.66	18.74	18.73				
15	QPSK	36	39	18.55	18.75	18.69				
15	QPSK	75	0	18.53	18.73	18.75	19.3	0		
15	16QAM	1	0	18.59	18.69	18.75				
15	16QAM	1	74	18.60	18.68	18.68				
15	16QAM	1	74	18.65	18.75	18.66	19.3	0		
15	16QAM	36	0	18.68	18.69	18.67				
15	16QAM	36	20	18.53	18.64	18.72				
15	16QAM	36	39	18.63	18.74	18.73	19.3	0		
15	16QAM	75	0	18.62	18.72	18.67				
15	64QAM	1	0	18.62	18.69	18.67				
15	64QAM	1	37	18.63	18.69	18.63	19.3	0		
15	64QAM	1	74	18.53	18.69	18.73				
15	64QAM	36	0	18.53	18.69	18.73				
15	64QAM	36	20	18.61	18.76	18.67	19.3	0		
15	64QAM	36	39	18.57	18.65	18.70				
15	64QAM	75	0	18.68	18.75	18.63				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.58	18.72	18.68	19.3	0		
10	QPSK	1	25	18.58	18.66	18.70				
10	QPSK	1	49	18.60	18.69	18.69				
10	QPSK	25	0	18.66	18.67	18.65	19.3	0		
10	QPSK	25	12	18.57	18.71	18.68				
10	QPSK	25	25	18.58	18.74	18.65				
10	QPSK	50	0	18.53	18.71	18.75	19.3	0		
10	16QAM	1	0	18.56	18.73	18.69				
10	16QAM	1	25	18.59	18.71	18.68				
10	16QAM	1	49	18.69	18.71	18.63	19.3	0		
10	16QAM	25	0	18.66	18.68	18.58				
10	16QAM	25	12	18.60	18.71	18.74				
10	16QAM	25	25	18.61	18.76	18.63	19.3	0		
10	16QAM	50	0	18.60	18.70	18.69				
10	64QAM	1	0	18.61	18.78	18.65				
10	64QAM	1	25	18.64	18.69	18.63	19.3	0		
10	64QAM	1	49	18.56	18.73	18.67				
10	64QAM	25	0	18.57	18.75	18.67				
10	64QAM	25	12	18.65	18.76	18.72	19.3	0		
10	64QAM	25	25	18.60	18.71	18.70				
10	64QAM	50	0	18.66	18.73	18.61				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.61	18.79	18.67	19.3	0		
5	QPSK	1	12	18.61	18.63	18.63				
5	QPSK	1	24	18.63	18.68	18.68				
5	QPSK	12	0	18.64	18.69	18.62	19.3	0		
5	QPSK	12	7	18.60	18.65	18.67				
5	QPSK	12	13	18.54	18.74	18.64				
5	QPSK	25	0	18.54	18.67	18.70	19.3	0		
5	16QAM	1	0	18.54	18.76	18.73				
5	16QAM	1	12	18.59	18.76	18.63				
5	16QAM	1	24	18.69	18.69	18.59	19.3	0		
5	16QAM	12	0	18.65	18.69	18.62				
5	16QAM	12	7	18.56	18.67	18.71				
5	16QAM	12	13	18.68	18.69	18.69	19.3	0		
5	16QAM	25	0	18.55	18.70	18.69				
5	64QAM	1	0	18.59	18.74	18.65				
5	64QAM	1	12	18.61	18.73	18.70	19.3	0		
5	64QAM	1	24	18.65	18.71	18.71				
5	64QAM	12	0	18.59	18.72	18.68				
5	64QAM	12	7	18.60	18.77	18.71	19.3	0		
5	64QAM	12	13	18.51	18.73	18.75				
5	64QAM	25	0	18.59	18.69	18.68				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.53	18.80	18.66	19.3	0		
3	QPSK	1	8	18.53	18.65	18.71				
3	QPSK	1	14	18.63	18.70	18.72				
3	QPSK	8	0	18.66	18.66	18.69	19.3	0		
3	QPSK	8	4	18.66	18.65	18.69				
3	QPSK	8	7	18.56	18.80	18.67				
3	QPSK	15	0	18.56	18.71	18.66	19.3	0		
3	16QAM	1	0	18.58	18.74	18.76				
3	16QAM	1	8	18.55	18.70	18.69				
3	16QAM	1	14	18.60	18.67	18.63	19.3	0		
3	16QAM	8	0	18.67	18.73	18.80				
3	16QAM	8	4	18.58	18.64	18.72				
3	16QAM	8	7	18.68	18.76	18.65	19.3	0		
3	16QAM	15	0	18.58	18.67	18.72				
3	64QAM	1	0	18.55	18.70	18.68				
3	64QAM	1	8	18.65	18.73	18.66	19.3	0		
3	64QAM	1	14	18.54	18.74	18.73				
3	64QAM	8	0	18.54	18.69	18.72				
3	64QAM	8	4	18.65	18.73	18.70	19.3	0		
3	64QAM	8	7	18.58	18.67	18.70				
3	64QAM	15	0	18.65	18.66	18.64				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.60	18.79	18.68	19.3	0		
1.4	QPSK	1	3	18.55	18.73	18.65				
1.4	QPSK	1	5	18.59	18.65	18.69				
1.4	QPSK	3	0	18.66	18.68	18.68	19.3	0		
1.4	QPSK	3	1	18.60	18.73	18.67				
1.4	QPSK	3	3	18.53	18.70	18.72				
1.4	QPSK	6	0	18.61	18.71	18.74	19.3	0		
1.4	16QAM	1	0	18.56	18.75	18.69				
1.4	16QAM	1	3	18.54	18.69	18.72				
1.4	16QAM	1	5	18.59	18.66	18.68	19.3	0		
1.4	16QAM	3	0	18.52	18.66	18.68				
1.4	16QAM	3	0	18.64	18.74	18.66				
1.4	16QAM	3	1	18.61	18.62	18.73	19.3	0		
1.4	16QAM	3	1	18.59	18.71	18.70				
1.4	16QAM	6	0	18.60	18.64	18.72				
1.4	64QAM	1	0	18.56	18.69	18.65	19.3	0		
1.4	64QAM	1	3	18.62	18.71	18.71				
1.4	64QAM	3	0	18.62	18.66	18.68				
1.4	64QAM	3	1	18.68	18.79	18.67	19.3	0		
1.4	64QAM	3	1	18.56	18.70	18.72				
1.4	64QAM	6	0	18.60	18.70	18.69				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.09	23.18	23.04	24.3	0		
20	QPSK	1	49	23.14	23.29	23.19				
20	QPSK	1	99	22.88	23.02	23.02				
20	QPSK	50	0	22.27	22.28	22.28	23.3	1		
20	QPSK	50	24	22.27	22.28	22.28				
20	QPSK	50	50	22.20	22.24	22.15				
20	QPSK	100	0	22.21	22.25	22.21	23.3	1		
20										



Band 38_Ant 3										
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				37550	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	17.05	17.21	17.11	18.4	0		
20	QPSK	1	49	17.15	17.23	17.17				
20	QPSK	1	99	17.04	17.19	17.16				
20	QPSK	50	0	17.05	17.17	17.15	18.4	0		
20	QPSK	50	24	17.12	17.18	17.17				
20	QPSK	50	50	17.10	17.14	17.11				
20	QPSK	100	0	17.03	17.14	17.13	18.4	0		
20	16QAM	1	0	17.05	17.08	17.19				
20	16QAM	1	49	17.10	17.12	17.12				
20	16QAM	1	99	17.21	17.15	17.09	18.4	0		
20	16QAM	50	0	17.16	17.16	17.16				
20	16QAM	50	24	17.12	17.16	17.11				
20	16QAM	50	50	17.12	17.09	17.16	18.4	0		
20	16QAM	100	0	17.12	17.19	17.13				
20	84QAM	1	0	17.15	17.09	17.16				
20	84QAM	1	49	17.11	17.13	17.16	18.4	0		
20	84QAM	1	99	17.10	17.17	17.20				
20	84QAM	50	0	17.21	17.14	17.15				
20	84QAM	50	24	17.11	17.19	17.17	18.4	0		
20	84QAM	50	50	17.09	17.15	17.19				
20	84QAM	100	0	17.17	17.13	17.19				
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	16.95	17.12	17.04	18.4	0		
15	QPSK	1	37	17.12	17.15	17.10				
15	QPSK	1	74	16.92	17.14	17.06				
15	QPSK	36	0	16.99	17.08	17.10	18.4	0		
15	QPSK	36	20	16.99	17.05	17.05				
15	QPSK	36	39	16.95	17.05	17.04				
15	QPSK	75	0	16.94	16.99	17.01	18.4	0		
15	16QAM	1	0	16.90	17.01	17.13				
15	16QAM	1	37	17.01	17.01	17.06				
15	16QAM	1	74	17.10	17.09	16.94	18.4	0		
15	16QAM	36	0	17.05	17.03	17.09				
15	16QAM	36	20	17.01	17.07	17.00				
15	16QAM	36	39	17.00	16.94	17.09	18.4	0		
15	16QAM	75	0	17.02	17.11	16.99				
15	84QAM	1	0	17.10	16.96	17.09				
15	84QAM	1	37	16.96	17.00	17.10	18.4	0		
15	84QAM	1	74	16.95	17.11	17.10				
15	84QAM	36	0	17.09	17.00	17.02				
15	84QAM	36	20	16.98	17.08	17.02	18.4	0		
15	84QAM	36	39	17.01	17.10	17.10				
15	84QAM	75	0	17.14	17.02	17.07				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	16.96	17.15	17.00	18.4	0		
10	QPSK	1	25	17.07	17.13	17.04				
10	QPSK	1	49	16.99	17.07	17.10				
10	QPSK	25	0	17.00	17.02	17.03	18.4	0		
10	QPSK	25	12	17.07	17.06	17.10				
10	QPSK	25	25	16.98	17.01	16.98				
10	QPSK	50	0	16.88	17.07	17.05	18.4	0		
10	16QAM	1	0	16.99	16.95	17.12				
10	16QAM	1	25	17.00	17.06	16.97				
10	16QAM	1	49	17.13	17.06	17.01	18.4	0		
10	16QAM	25	0	17.09	17.07	17.10				
10	16QAM	25	12	17.06	17.04	17.00				
10	16QAM	25	25	17.06	16.94	17.05	18.4	0		
10	16QAM	50	0	17.01	17.04	17.01				
10	84QAM	1	0	17.03	17.02	17.01				
10	84QAM	1	25	17.04	17.08	17.08	18.4	0		
10	84QAM	1	49	17.03	17.07	17.12				
10	84QAM	25	0	17.13	17.06	17.09				
10	84QAM	25	12	17.02	17.14	17.09	18.4	0		
10	84QAM	25	25	17.02	17.10	17.04				
10	84QAM	50	0	17.05	17.00	17.14				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	16.95	17.13	17.01	18.4	0		
5	QPSK	1	12	17.05	17.16	17.04				
5	QPSK	1	24	16.98	17.08	17.11				
5	QPSK	12	0	16.96	17.11	17.03	18.4	0		
5	QPSK	12	7	17.00	17.06	17.11				
5	QPSK	12	13	17.01	17.00	16.97				
5	QPSK	25	0	16.97	17.02	17.05	18.4	0		
5	16QAM	1	0	16.99	16.93	17.13				
5	16QAM	1	12	16.99	17.04	17.03				
5	16QAM	1	24	17.14	17.02	16.96	18.4	0		
5	16QAM	12	0	17.12	17.10	17.03				
5	16QAM	12	7	17.02	17.03	17.00				
5	16QAM	12	13	17.06	16.97	17.02	18.4	0		
5	16QAM	25	0	17.01	17.12	17.08				
5	84QAM	1	0	17.08	17.04	17.09				
5	84QAM	1	12	17.02	17.01	17.05	18.4	0		
5	84QAM	1	24	16.95	17.08	17.05				
5	84QAM	12	0	17.13	17.04	17.03				
5	84QAM	12	7	16.99	17.14	17.12	18.4	0		
5	84QAM	12	13	17.01	17.08	17.11				
5	84QAM	25	0	17.10	16.99	17.17				

Band 38_Ant 0										
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	23.80	23.88	23.90	24.4	0		
20	QPSK	1	49	24.02	24.08	24.07				
20	QPSK	1	99	24.01	23.99	24.06				
20	QPSK	50	0	22.92	22.98	22.97	23.4	1		
20	QPSK	50	24	23.06	23.07	23.04				
20	QPSK	50	50	23.03	23.02	23.03				
20	QPSK	100	0	22.95	23.00	22.98	23.4	1		
20	16QAM	1	0	22.89	22.96	22.89				
20	16QAM	1	49	23.11	23.11	23.12				
20	16QAM	1	99	23.03	22.95	22.97	22.4	2		
20	16QAM	50	0	21.94	21.98	22.00				
20	16QAM	50	24	22.01	22.06	22.07				
20	16QAM	50	50	22.05	22.01	22.05	21.4	3		
20	16QAM	100	0	21.96	22.00	22.00				
20	84QAM	1	0	21.47	21.56	21.51				
20	84QAM	1	49	21.70	21.76	21.83	22.4	2		
20	84QAM	1	99	21.73	21.66	21.70				
20	84QAM	50	0	20.92	20.96	20.96				
20	84QAM	50	24	20.96	21.00	21.00	21.4	3		
20	84QAM	50	50	21.01	20.98	21.00				
20	84QAM	100	0	20.89	20.93	20.97				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.77	23.87	23.77	24.4	0		
15	QPSK	1	37	24.02	24.06	24.07				
15	QPSK	1	74	23.99	23.88	24.03				
15	QPSK	36	0	22.77	22.92	22.93	23.4	1		
15	QPSK	36	20	22.83	23.03	22.93				
15	QPSK	36	39	23.02	23.01	22.88				
15	QPSK	75	0	22.91	22.96	22.83	23.4	1		
15	16QAM	1	0	22.88	22.83	22.89				
15	16QAM	1	37	23.05	23.11	23.02				
15	16QAM	1	74	22.96	22.82	22.82	22.4	2		
15	16QAM	36	0	21.80	21.98	21.95				
15	16QAM	36	20	22.00	21.91	21.97				
15	16QAM	36	39	22.04	21.96	21.99	22.4	2		
15	16QAM	75	0	21.84	21.99	21.99				
15	84QAM	1	0	21.37	21.52	21.50				
15	84QAM	1	37	21.60	21.65	21.78	22.4	2		
15	84QAM	1	74	21.73	21.66	21.62				
15	84QAM	36	0	20.79	20.83	20.96				
15	84QAM	36	20	20.82	20.85	21.00	21.4	3		
15	84QAM	36	39	20.99	20.83	20.92				
15	84QAM	75	0	20.83	20.82	20.84				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.66	23.76	23.66	24.4	0		
10	QPSK	1	25	24.01	24.03	23.95				
10	QPSK	1	49	23.91	23.99	24.00				
10	QPSK	25	0	22.80	22.95	22.82	23.4	1		
10	QPSK	25	12	23.0						



Band 41_Ant 3										
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	16.79	16.42	16.94	16.78	16.77	17.8	0
20	QPSK	1	49	16.92	16.54	17.07	16.87	16.98		
20	QPSK	1	99	16.85	16.35	16.91	16.86	16.75	17.8	0
20	QPSK	50	0	16.81	16.36	16.91	16.84	16.79		
20	QPSK	50	24	16.87	16.37	16.96	16.87	16.84	17.8	0
20	QPSK	50	50	16.86	16.36	16.93	16.86	16.81		
20	QPSK	100	0	16.86	16.35	16.90	16.82	16.84	17.8	0
20	16QAM	1	0	16.83	16.41	16.80	16.91	16.78		
20	16QAM	1	49	16.85	16.39	16.81	16.84	16.76	17.8	0
20	16QAM	1	99	16.84	16.38	16.84	16.96	16.73		
20	16QAM	50	0	16.85	16.39	16.78	16.91	16.84	17.8	0
20	16QAM	50	24	16.80	16.42	16.78	16.95	16.81		
20	16QAM	50	50	16.82	16.36	16.87	17.03	16.80	17.8	0
20	16QAM	100	0	16.84	16.43	16.85	16.93	16.84		
20	64QAM	1	0	16.87	16.42	16.79	16.98	16.83	17.8	0
20	64QAM	1	49	16.87	16.37	16.79	17.01	16.74		
20	64QAM	1	99	16.79	16.37	16.79	16.93	16.76	17.8	0
20	64QAM	50	0	16.83	16.35	16.83	16.88	16.81		
20	64QAM	50	24	16.86	16.37	16.79	16.99	16.79	17.8	0
20	64QAM	50	50	16.82	16.40	16.86	16.99	16.80		
20	64QAM	100	0	16.85	16.42	16.83	16.98	16.79		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	16.74	16.27	16.66	16.88	16.84	17.8	0
15	QPSK	1	37	16.85	16.40	16.74	16.97	16.83		
15	QPSK	1	74	16.71	16.24	16.74	16.77	16.68	17.8	0
15	QPSK	36	0	16.75	16.27	16.73	16.90	16.77		
15	QPSK	36	20	16.82	16.29	16.80	16.82	16.70	17.8	0
15	QPSK	36	39	16.76	16.23	16.73	16.87	16.70		
15	QPSK	75	0	16.77	16.35	16.75	16.95	16.81	17.8	0
15	16QAM	1	0	16.70	16.32	16.67	16.79	16.67		
15	16QAM	1	37	16.73	16.32	16.73	16.86	16.61	17.8	0
15	16QAM	1	74	16.73	16.30	16.75	16.88	16.60		
15	16QAM	36	0	16.74	16.25	16.65	16.87	16.74	17.8	0
15	16QAM	36	20	16.75	16.29	16.67	16.85	16.70		
15	16QAM	36	39	16.75	16.23	16.82	16.91	16.72	17.8	0
15	16QAM	75	0	16.73	16.35	16.80	16.98	16.74		
15	64QAM	1	0	16.79	16.34	16.74	16.98	16.77	17.8	0
15	64QAM	1	37	16.72	16.23	16.74	16.96	16.62		
15	64QAM	1	74	16.67	16.30	16.68	16.81	16.75	17.8	0
15	64QAM	36	0	16.70	16.28	16.70	16.87	16.71		
15	64QAM	36	20	16.71	16.29	16.68	16.88	16.74	17.8	0
15	64QAM	36	39	16.77	16.26	16.71	16.93	16.72		
15	64QAM	75	0	16.71	16.35	16.72	16.90	16.67		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	16.71	16.33	16.70	16.81	16.71	17.8	0
10	QPSK	1	25	16.84	16.48	16.76	17.00	16.98		
10	QPSK	1	49	16.72	16.24	16.80	16.76	16.65	17.8	0
10	QPSK	25	0	16.67	16.28	16.78	16.86	16.72		
10	QPSK	25	12	16.79	16.30	16.72	16.82	16.83	17.8	0
10	QPSK	25	25	16.76	16.30	16.75	16.80	16.74		
10	QPSK	50	0	16.76	16.30	16.70	16.93	16.80	17.8	0
10	16QAM	1	0	16.69	16.33	16.72	16.91	16.65		
10	16QAM	1	25	16.76	16.32	16.71	16.89	16.68	17.8	0
10	16QAM	1	49	16.76	16.24	16.69	16.88	16.64		
10	16QAM	25	0	16.70	16.30	16.69	16.76	16.69	17.8	0
10	16QAM	25	12	16.68	16.33	16.67	16.82	16.68		
10	16QAM	25	25	16.71	16.30	16.77	16.95	16.68	17.8	0
10	16QAM	50	0	16.71	16.35	16.71	16.92	16.82		
10	64QAM	1	0	16.77	16.27	16.67	16.89	16.71	17.8	0
10	64QAM	1	25	16.79	16.27	16.74	16.94	16.60		
10	64QAM	1	49	16.64	16.31	16.66	16.89	16.71	17.8	0
10	64QAM	25	0	16.70	16.30	16.72	16.75	16.78		
10	64QAM	25	12	16.76	16.27	16.65	16.86	16.66	17.8	0
10	64QAM	25	25	16.76	16.35	16.80	16.89	16.65		
10	64QAM	50	0	16.78	16.33	16.68	16.91	16.71		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	16.70	16.35	16.65	16.88	16.77	17.8	0
5	QPSK	1	12	16.87	16.40	16.78	16.94	16.83		
5	QPSK	1	24	16.78	16.29	16.73	16.90	16.60	17.8	0
5	QPSK	12	0	16.73	16.23	16.73	16.87	16.77		
5	QPSK	12	7	16.82	16.28	16.80	16.90	16.76	17.8	0
5	QPSK	12	13	16.73	16.29	16.75	16.91	16.69		
5	QPSK	25	0	16.78	16.35	16.76	16.96	16.73	17.8	0
5	16QAM	1	0	16.68	16.30	16.72	16.81	16.70		
5	16QAM	1	12	16.74	16.29	16.68	16.87	16.72	17.8	0
5	16QAM	1	24	16.74	16.30	16.73	16.94	16.64		
5	16QAM	12	0	16.74	16.27	16.72	16.87	16.81	17.8	0
5	16QAM	12	7	16.88	16.27	16.65	16.81	16.74		
5	16QAM	12	13	16.67	16.24	16.73	17.00	16.67	17.8	0
5	16QAM	25	0	16.77	16.36	16.72	16.83	16.79		
5	64QAM	1	0	16.72	16.29	16.73	16.92	16.70	17.8	0
5	64QAM	1	12	16.80	16.26	16.74	16.98	16.60		
5	64QAM	1	24	16.74	16.28	16.66	16.90	16.62	17.8	0
5	64QAM	12	0	16.69	16.28	16.75	16.75	16.71		
5	64QAM	12	7	16.81	16.28	16.68	16.94	16.68	17.8	0
5	64QAM	12	13	16.68	16.30	16.77	16.96	16.76		
5	64QAM	25	0	16.73	16.27	16.72	16.86	16.77		

Band 41 (HPUE)_Ant 3										
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	19.83	19.37	19.95	19.82	19.78	20.8	0
20	QPSK	1	49	19.91	19.51	20.09	19.91	19.94		
20	QPSK	1	99	19.84	19.40	19.90	19.85	19.82	20.8	0
20	QPSK	50	0	19.85	19.33	19.87	19.83	19.81		
20	QPSK	50	24	19.89	19.39	19.97	19.95	19.90	20.8	0
20	QPSK	50	50	19.84	19.33	19.92	19.87	19.79		
20	QPSK	100	0	19.86	19.33	19.91	19.89	19.90	20.8	0
20	16QAM	1	0	19.88	19.39	19.80	19.98	19.85		
20	16QAM	1	49	19.83	19.38	19.80	20.03	19.83	20.8	0
20	16QAM	1	99	19.82	19.36	19.85	20.06	19.81		
20	16QAM	50	0	19.90	19.36	19.73	19.91	19.82	20.8	0
20	16QAM	50	24	19.80	19.46	19.80	20.00	19.85		
20	16QAM	50	50	19.82	19.31	19.88	19.99	19.81	20.8	0
20	16QAM	100	0	19.88	19.43	19.88	19.93	19.81		
20	64QAM	1	0	19.88	19.38	19.74	20.05	19.87	20.8	0
20	64QAM	1	49	19.82	19.35	19.77	20.02	19.75		
20	64QAM	1	99	19.76	19.42	19.81	20.03	19.83	20.8	0
20	64QAM	50	0	19.84	19.35	19.84	19.94	19.89		
20	64QAM	50	24	19.85	19.38	19.76	19.98	19.88	20.8	0
20	64QAM	50	50	19.83	19.44	19.89	20.08	19.83		
20	64QAM	100	0	19.88	19.46	19.78	20.			



Band 41_Ant 0												
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	22.49	22.17	22.45	22.32	22.25	22.8	0		
20	QPSK	1	49	22.56	22.38	22.62	22.59	22.47				
20	QPSK	1	99	22.38	22.25	22.58	22.44	22.40	21.8	1		
20	QPSK	50	0	21.92	21.31	21.63	21.46	21.38				
20	QPSK	50	24	21.05	21.39	21.65	21.59	21.46	21.8	1		
20	QPSK	50	50	21.46	21.38	21.61	21.52	21.44				
20	QPSK	100	0	21.47	21.34	21.59	21.51	21.39	21.8	1		
20	16QAM	1	0	21.39	21.18	21.31	21.49	21.35				
20	16QAM	1	49	21.42	21.35	21.55	21.58	21.40	21.8	1		
20	16QAM	1	99	21.40	21.24	21.37	21.55	21.40				
20	16QAM	50	0	20.54	20.31	20.47	20.64	20.32	20.8	2		
20	16QAM	50	24	20.55	20.35	20.53	20.66	20.43				
20	16QAM	50	50	20.51	20.36	20.52	20.59	20.43	20.8	2		
20	16QAM	100	0	20.47	20.30	20.50	20.67	20.36				
20	16QAM	1	0	20.40	20.25	20.45	20.60	20.29	20.8	2		
20	16QAM	1	49	20.52	20.24	20.45	20.59	20.32				
20	16QAM	1	99	20.41	20.21	20.44	20.52	20.29	19.8	3		
20	16QAM	50	0	19.80	19.26	19.45	19.56	19.32				
20	16QAM	50	24	19.83	19.30	19.51	19.63	19.40	19.8	3		
20	16QAM	50	50	19.48	19.34	19.51	19.56	19.42				
20	16QAM	100	0	19.47	19.28	19.45	19.57	19.37				
Channel				39725	40173	40620	41058	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.38	22.07	22.20	22.41	22.15	22.8	0		
15	QPSK	1	37	22.47	22.25	22.52	22.48	22.36				
15	QPSK	1	74	22.23	22.24	22.37	22.47	22.39	21.8	1		
15	QPSK	36	0	21.47	21.20	21.40	21.55	21.38				
15	QPSK	36	20	21.48	21.24	21.49	21.53	21.45	21.8	1		
15	QPSK	36	39	21.40	21.25	21.50	21.50	21.43				
15	QPSK	75	0	21.39	21.28	21.40	21.48	21.24	21.8	1		
15	16QAM	1	0	21.38	21.07	21.25	21.47	21.22				
15	16QAM	1	37	21.36	21.23	21.48	21.52	21.38	21.8	1		
15	16QAM	1	74	21.26	21.20	21.35	21.41	21.29				
15	16QAM	36	0	20.50	20.23	20.34	20.51	20.29	20.8	2		
15	16QAM	36	20	20.41	20.24	20.41	20.56	20.34				
15	16QAM	36	39	20.37	20.29	20.37	20.45	20.42	20.8	2		
15	16QAM	75	0	20.34	20.26	20.47	20.55	20.21				
15	16QAM	1	0	20.32	20.24	20.33	20.59	20.15	20.8	2		
15	16QAM	1	37	20.39	20.15	20.42	20.44	20.29				
15	16QAM	1	74	20.28	20.10	20.32	20.40	20.28	19.8	3		
15	16QAM	36	0	19.49	19.13	19.34	19.50	19.27				
15	16QAM	36	20	19.44	19.29	19.38	19.58	19.31	19.8	3		
15	16QAM	36	39	19.33	19.28	19.40	19.45	19.40				
15	16QAM	75	0	19.35	19.14	19.35	19.44	19.32				
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.39	22.08	22.19	22.34	22.11	22.8	0		
10	QPSK	1	25	22.49	22.27	22.58	22.60	22.32				
10	QPSK	1	49	22.31	22.20	22.32	22.57	22.28	21.8	1		
10	QPSK	25	0	21.46	21.24	21.33	21.54	21.29				
10	QPSK	25	12	21.46	21.34	21.53	21.61	21.33	21.8	1		
10	QPSK	25	25	21.40	21.29	21.39	21.55	21.38				
10	QPSK	50	0	21.35	21.26	21.38	21.54	21.26	21.8	1		
10	16QAM	1	0	21.25	21.11	21.21	21.40	21.34				
10	16QAM	1	25	21.35	21.23	21.42	21.51	21.27	21.8	1		
10	16QAM	1	49	21.27	21.09	21.24	21.47	21.28				
10	16QAM	25	0	20.41	20.29	20.36	20.62	20.19	20.8	2		
10	16QAM	25	12	20.44	20.27	20.46	20.59	20.36				
10	16QAM	25	25	20.42	20.25	20.38	20.59	20.36	20.8	2		
10	16QAM	50	0	20.42	20.16	20.47	20.66	20.29				
10	16QAM	1	0	20.25	20.21	20.30	20.55	20.18	20.8	2		
10	16QAM	1	25	20.47	20.21	20.31	20.50	20.20				
10	16QAM	1	49	20.38	20.07	20.41	20.45	20.22	19.8	3		
10	16QAM	25	0	19.42	19.20	19.33	19.46	19.18				
10	16QAM	25	12	19.38	19.29	19.47	19.61	19.29	19.8	3		
10	16QAM	25	25	19.44	19.25	19.47	19.45	19.28				
10	16QAM	50	0	19.41	19.18	19.39	19.48	19.27				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.42	22.10	22.24	22.36	22.24	22.8	0		
5	QPSK	1	12	22.54	22.34	22.52	22.57	22.32				
5	QPSK	1	24	22.34	22.15	22.29	22.56	22.35	21.8	1		
5	QPSK	12	0	21.37	21.25	21.35	21.56	21.35				
5	QPSK	12	7	21.52	21.25	21.52	21.63	21.41	21.8	1		
5	QPSK	12	13	21.37	21.32	21.42	21.56	21.42				
5	QPSK	25	0	21.37	21.30	21.36	21.56	21.28	21.8	1		
5	16QAM	1	0	21.26	21.11	21.23	21.42	21.22				
5	16QAM	1	12	21.29	21.20	21.54	21.47	21.37	21.8	1		
5	16QAM	1	24	21.34	21.21	21.34	21.49	21.37				
5	16QAM	12	0	20.45	20.20	20.34	20.49	20.26	20.8	2		
5	16QAM	12	7	20.45	20.23	20.48	20.61	20.31				
5	16QAM	12	13	20.40	20.25	20.48	20.50	20.36	20.8	2		
5	16QAM	25	0	20.39	20.15	20.39	20.66	20.23				
5	16QAM	1	0	20.33	20.18	20.34	20.50	20.20	20.8	2		
5	16QAM	1	12	20.48	20.10	20.32	20.46	20.27				
5	16QAM	1	24	20.27	20.15	20.38	20.38	20.20	19.8	3		
5	16QAM	12	0	19.36	19.22	19.38	19.54	19.28				
5	16QAM	12	7	19.39	19.26	19.42	19.58	19.30	19.8	3		
5	16QAM	12	13	19.39	19.29	19.40	19.50	19.37				
5	16QAM	25	0	19.34	19.17	19.44	19.42	19.25				

Band 41 (HPUE)_Ant 0												
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	25.43	25.41	25.50	25.48	25.38	25.8	0		
20	QPSK	1	49	25.50	25.58	25.63	25.54	25.59				
20	QPSK	1	99	25.45	25.43	25.26	25.52	25.44	24.8	1		
20	QPSK	50	0	24.71	24.43	24.66	24.62	24.51				
20	QPSK	50	24	24.72	24.58	24.78	24.71	24.61	24.8	1		
20	QPSK	50	50	24.59	24.54	24.69	24.70	24.60				
20	QPSK	100	0	24.59	24.48	24.69	24.62	24.50	24.8	1		
20	16QAM	1	0	24.64	24.34	24.48	24.68	24.45				
20	16QAM	1	49	24.71	24.43	24.67	24.70	24.48	24.8	1		
20	16QAM	1	99	24.52	24.41	24.69	24.54	24.53				
20	16QAM	50	0	23.70	23.41	23.64	23.77	23.54	23.8	2		
20	16QAM	50	24	23.67	23.50	23.68	23.73	23.58				
20	16QAM	50	50									



Band 41_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.48	20.20	20.85	20.39	20.59	21.8	0
20	QPSK	1	49	20.67	20.39	20.88	20.53	20.73		
20	QPSK	1	99	20.49	20.11	20.85	20.34	20.58	21.8	0
20	QPSK	50	0	20.51	20.17	20.81	20.35	20.56		
20	QPSK	50	24	20.58	20.23	20.82	20.37	20.63	21.8	0
20	QPSK	50	50	20.57	20.11	20.67	20.33	20.50		
20	QPSK	100	0	20.54	20.22	20.64	20.32	20.58	21.8	0
20	16QAM	1	0	20.55	20.26	20.38	20.60	20.42		
20	16QAM	1	49	20.50	20.21	20.30	20.57	20.51	21.8	0
20	16QAM	1	99	20.54	20.19	20.36	20.81	20.65		
20	16QAM	50	0	19.48	19.22	19.29	19.59	19.50	20.8	1
20	16QAM	50	24	19.55	19.24	19.44	19.53	19.49		
20	16QAM	50	50	19.50	19.21	19.36	19.66	19.52	20.8	1
20	16QAM	100	0	19.52	19.24	19.34	19.75	19.56		
20	64QAM	1	0	19.54	19.18	19.34	19.74	19.66	20.8	1
20	64QAM	1	49	19.53	19.17	19.35	19.66	19.55		
20	64QAM	1	99	19.53	19.20	19.28	19.54	19.58	19.8	2
20	64QAM	50	0	18.48	18.14	18.38	18.71	18.45		
20	64QAM	50	24	18.48	18.23	18.37	18.78	18.66	19.8	2
20	64QAM	50	50	18.55	18.19	18.32	18.72	18.49		
20	64QAM	100	0	18.48	18.11	18.31	18.62	18.53		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.39	20.05	20.26	20.80	20.54	21.8	0
15	QPSK	1	37	20.60	20.26	20.39	20.77	20.67		
15	QPSK	1	74	20.35	19.97	20.22	20.58	20.56	21.8	0
15	QPSK	36	0	20.44	20.10	20.28	20.70	20.49		
15	QPSK	36	20	20.47	20.14	20.27	20.72	20.55	21.8	0
15	QPSK	36	39	20.51	20.06	20.26	20.62	20.43		
15	QPSK	75	0	20.39	20.10	20.20	20.59	20.44	21.8	0
15	16QAM	1	0	20.40	20.21	20.23	20.59	20.31		
15	16QAM	1	37	20.39	20.11	20.17	20.49	20.41	20.8	1
15	16QAM	1	74	20.42	20.09	20.28	20.74	20.56		
15	16QAM	36	0	19.36	19.16	19.14	19.52	19.35	20.8	1
15	16QAM	36	20	19.41	19.09	19.31	19.47	19.34		
15	16QAM	36	39	19.40	19.15	19.31	19.56	19.40	20.8	1
15	16QAM	75	0	19.40	19.11	19.19	19.75	19.53		
15	64QAM	1	0	19.43	19.13	19.29	19.65	19.54	19.8	2
15	64QAM	1	37	19.44	19.08	19.28	19.65	19.43		
15	64QAM	1	74	19.40	19.11	19.14	19.54	19.51	19.8	2
15	64QAM	36	0	18.34	18.06	18.24	18.67	18.30		
15	64QAM	36	20	18.38	18.17	18.28	18.78	18.65	19.8	2
15	64QAM	36	39	18.47	18.06	18.18	18.70	18.44		
15	64QAM	75	0	18.33	18.03	18.26	18.58	18.44		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.41	20.05	20.31	20.59	20.46	21.8	0
10	QPSK	1	25	20.57	20.28	20.41	20.82	20.61		
10	QPSK	1	49	20.40	20.02	20.27	20.57	20.55	21.8	0
10	QPSK	25	0	20.37	20.06	20.20	20.81	20.44		
10	QPSK	25	12	20.43	20.15	20.27	20.80	20.48	21.8	0
10	QPSK	25	25	20.50	20.04	20.18	20.55	20.45		
10	QPSK	50	0	20.48	20.10	20.27	20.53	20.58	21.8	0
10	16QAM	1	0	20.49	20.14	20.33	20.45	20.42		
10	16QAM	1	25	20.45	20.16	20.16	20.44	20.40	20.8	1
10	16QAM	1	49	20.48	20.06	20.25	20.68	20.60		
10	16QAM	25	0	19.36	19.15	19.24	19.59	19.47	20.8	1
10	16QAM	25	12	19.50	19.09	19.30	19.53	19.37		
10	16QAM	25	25	19.38	19.06	19.25	19.54	19.48	20.8	1
10	16QAM	50	0	19.30	19.17	19.22	19.68	19.50		
10	64QAM	1	0	19.48	19.06	19.29	19.71	19.58	20.8	1
10	64QAM	1	25	19.47	19.02	19.23	19.60	19.41		
10	64QAM	1	49	19.39	19.09	19.13	19.50	19.46	19.8	2
10	64QAM	25	0	18.41	18.03	18.30	18.62	18.41		
10	64QAM	25	12	18.35	18.13	18.30	18.76	18.65	19.8	2
10	64QAM	25	25	18.45	18.06	18.25	18.63	18.43		
10	64QAM	50	0	18.41	17.99	18.18	18.51	18.46		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.36	20.13	20.32	20.50	20.56	21.8	0
5	QPSK	1	12	20.56	20.31	20.47	20.84	20.69		
5	QPSK	1	24	20.39	19.97	20.24	20.54	20.58	21.8	0
5	QPSK	12	0	20.42	20.08	20.26	20.73	20.56		
5	QPSK	12	7	20.46	20.12	20.25	20.77	20.53	21.8	0
5	QPSK	12	13	20.42	20.05	20.18	20.55	20.37		
5	QPSK	25	0	20.49	20.16	20.26	20.52	20.47	21.8	0
5	16QAM	1	0	20.48	20.18	20.31	20.47	20.36		
5	16QAM	1	12	20.45	20.10	20.23	20.57	20.38	20.8	1
5	16QAM	1	24	20.46	20.05	20.30	20.71	20.65		
5	16QAM	12	0	19.41	19.10	19.20	19.55	19.39	20.8	1
5	16QAM	12	7	19.48	19.19	19.37	19.45	19.42		
5	16QAM	12	13	19.36	19.06	19.31	19.53	19.45	20.8	1
5	16QAM	25	0	19.37	19.14	19.27	19.73	19.54		
5	64QAM	1	0	19.49	19.06	19.22	19.67	19.55	20.8	1
5	64QAM	1	12	19.46	19.05	19.22	19.63	19.47		
5	64QAM	1	24	19.40	19.11	19.21	19.47	19.45	19.8	2
5	64QAM	12	0	18.33	18.01	18.30	18.64	18.37		
5	64QAM	12	7	18.40	18.11	18.32	18.63	18.63	19.8	2
5	64QAM	12	13	18.40	18.08	18.27	18.58	18.49		
5	64QAM	25	0	18.39	17.99	18.23	18.53	18.50		

Band 41 (HPUE)_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.12	23.60	23.30	23.55	24.8	0
20	QPSK	1	49	23.67	23.37	23.76	23.52	23.58		
20	QPSK	1	99	23.60	23.22	23.64	23.48	23.43	24.8	0
20	QPSK	50	0	23.29	23.20	23.23	23.45	23.21		
20	QPSK	50	24	23.56	23.26	23.67	23.51	23.50	24.8	0
20	QPSK	50	50	23.45	23.20	23.62	23.38	23.29		
20	QPSK	100	0	23.47	23.19	23.52	23.41	23.46	24.8	0
20	16QAM	1	0	23.29	23.06	23.52	23.19	23.43		
20	16QAM	1	49	23.66	23.34	23.66	23.47	23.46	24.8	0
20	16QAM	1	99	23.49	23.14	23.50	23.46	23.31		
20	16QAM	50	0	22.45	22.41	22.45	22.53	22.53	23.8	1
20	16QAM	50	24	22.72	22.47	22.64	22.75	22.62		
20	16QAM	50	50	22.63	22.34	22.67	22.75	22.57	23.8	1
20	16QAM	100	0	22.52	22.40	22.48	22.48	22.53		
20	64QAM	1	0	22.40	22.37	22.33	22.42	22.39	23.8	1
20	64QAM	1	49	22.48	22.47	22.52	22.59	22.43		
20	64QAM	1	99	22.54	22.17	22.47	22.71	22.42	22.8	2
20	64QAM	50	0	21.50	21.37	21.41	21.59	21.60		
20	64QAM	50	24	21.54	21.41	21.51	21.60	21.49	22.8	2
20	64QAM	50	50	21.56	21.36	21.51	21.48	21.53		
20	64QAM	100	0	21.48	21.33	21.50				



Reduced Power for DSI 5

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.50	32.51	32.47	33.00	23.50	23.51	23.47	24.00
GPRS 1 Tx slots	32.48	32.51	32.50	33.00	23.48	23.51	23.50	24.00
GPRS 2 Tx slots	29.43	29.42	29.37	30.00	23.43	23.42	23.37	24.50
GPRS 3 Tx slots	27.38	27.29	27.35	28.50	23.12	23.13	23.09	24.24
GPRS 4 Tx slots	26.42	26.43	26.38	27.50	23.42	23.43	23.38	24.50
EDGE(GMSK) 1 Tx slot	32.51	32.51	32.47	33.00	23.51	23.51	23.47	24.00
EDGE(GMSK) 2 Tx slots	29.39	29.41	29.39	30.50	23.39	23.41	23.39	24.50
EDGE(GMSK) 3 Tx slots	27.35	27.38	27.37	28.50	23.09	23.12	23.11	24.24
EDGE(GMSK) 4 Tx slots	26.38	26.40	26.37	27.50	23.38	23.40	23.37	24.50
EDGE(GPRS) 1 Tx slot	29.33	29.32	29.30	30.50	23.33	23.32	23.30	24.50
EDGE(GPRS) 2 Tx slots	23.36	23.36	23.34	24.50	17.36	17.36	17.34	18.50
EDGE(GPRS) 3 Tx slots	21.71	21.74	21.72	23.00	17.45	17.48	17.46	18.74
EDGE(GPRS) 4 Tx slots	20.18	20.21	20.16	21.00	17.18	17.21	17.16	18.00

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.03	32.09	32.12	33.00	23.03	23.09	23.12	24.00
GPRS 1 Tx slot	32.12	32.15	32.20	33.00	23.12	23.15	23.20	24.00
GPRS 2 Tx slots	29.38	29.34	29.35	30.50	23.38	23.34	23.35	24.50
GPRS 3 Tx slots	27.34	27.27	27.33	28.50	23.08	23.01	23.07	24.24
GPRS 4 Tx slots	26.30	26.31	26.25	27.50	23.30	23.31	23.25	24.50
EDGE(GMSK) 1 Tx slot	31.96	32.09	31.98	33.00	22.96	23.09	22.98	24.00
EDGE(GMSK) 2 Tx slots	29.16	29.31	29.22	30.50	23.16	23.31	23.22	24.50
EDGE(GMSK) 3 Tx slots	27.16	27.22	27.16	28.50	22.90	22.96	22.90	24.24
EDGE(GMSK) 4 Tx slots	26.20	26.22	26.16	27.50	23.20	23.22	23.16	24.50
EDGE(GPRS) 1 Tx slot	29.94	29.98	29.99	30.50	19.94	19.98	19.99	18.00
EDGE(GPRS) 2 Tx slots	23.05	23.07	23.04	24.00	17.05	17.07	17.04	18.00
EDGE(GPRS) 3 Tx slots	21.38	21.37	21.37	22.50	17.12	17.11	17.11	18.24
EDGE(GPRS) 4 Tx slots	19.73	19.73	19.78	21.00	16.73	16.73	16.78	18.00

Band	WCDMA V_Ant 3			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	9262	9400	9538		9262	9400	9538	
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400
Rx Channel	9662	9800	9938	9662	9800	9938	9662	9800
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860
3GPP Rel 99	AMR 12.2Kbps	18.08	18.20	18.18	18.90	18.00	18.21	18.21
3GPP Rel 99	AMR 12.2Kbps	18.11	18.24	18.22	18.90	18.01	18.28	18.26
3GPP Rel 6	HSDPA Subtest-1	17.06	17.22	17.17	17.90	17.09	17.28	17.25
3GPP Rel 6	HSDPA Subtest-2	17.00	17.22	17.21	17.90	17.07	17.21	17.24
3GPP Rel 6	HSDPA Subtest-3	16.60	16.82	16.78	17.40	16.82	16.88	16.88
3GPP Rel 6	HSDPA Subtest-4	16.50	16.73	16.74	17.40	16.58	16.85	16.86
3GPP Rel 6	DC-HSDPA Subtest-1	16.83	17.03	16.90	17.50	16.94	17.19	17.13
3GPP Rel 6	DC-HSDPA Subtest-2	16.77	16.91	16.96	17.50	16.92	17.08	17.13
3GPP Rel 6	DC-HSDPA Subtest-3	16.20	16.49	16.32	17.40	16.48	16.81	16.74
3GPP Rel 6	DC-HSDPA Subtest-4	16.16	16.42	16.36	17.40	16.49	16.75	16.72
3GPP Rel 6	HSUPA Subtest-1	15.04	15.23	15.12	16.00	15.08	15.39	15.37
3GPP Rel 6	HSUPA Subtest-2	15.04	15.20	15.10	15.80	15.11	15.40	15.40
3GPP Rel 6	HSUPA Subtest-3	15.95	16.17	16.08	16.90	16.14	16.43	16.45
3GPP Rel 6	HSUPA Subtest-4	14.81	14.86	14.89	16.40	14.84	14.91	14.92
3GPP Rel 6	HSUPA Subtest-5	15.88	16.03	15.99	16.80	16.10	16.40	16.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	14.46	14.57	14.65	15.50	14.58	14.78	14.85

Band	WCDMA V_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	4132	4182	4233		4132	4182	4233	
TX Channel	4132	4182	4233	4132	4182	4233	4132	4182
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4
3GPP Rel 99	AMR 12.2Kbps	19.99	20.09	20.02	20.40	21.88	21.90	21.90
3GPP Rel 99	AMR 12.2Kbps	20.06	20.12	20.09	20.40	22.01	22.05	22.03
3GPP Rel 6	HSDPA Subtest-1	19.06	19.01	19.08	19.40	21.05	21.05	21.05
3GPP Rel 6	HSDPA Subtest-2	19.06	19.03	19.04	19.40	21.05	21.02	21.06
3GPP Rel 6	HSDPA Subtest-3	18.83	18.55	18.60	18.90	20.59	20.58	20.58
3GPP Rel 6	HSDPA Subtest-4	18.58	18.50	18.64	18.90	20.53	20.51	20.56
3GPP Rel 6	DC-HSDPA Subtest-1	18.99	18.97	19.00	19.40	20.97	20.93	20.90
3GPP Rel 6	DC-HSDPA Subtest-2	18.88	18.87	19.06	19.40	20.97	20.89	20.92
3GPP Rel 6	DC-HSDPA Subtest-3	18.50	18.48	18.46	18.90	20.45	20.46	20.50
3GPP Rel 6	DC-HSDPA Subtest-4	18.41	18.45	18.52	18.90	20.42	20.42	20.50
3GPP Rel 6	HSUPA Subtest-1	17.02	17.03	17.09	17.30	18.99	19.03	19.01
3GPP Rel 6	HSUPA Subtest-2	17.13	17.12	17.08	17.30	19.00	18.98	19.03
3GPP Rel 6	HSUPA Subtest-3	16.65	16.63	16.12	16.40	20.04	20.06	20.05
3GPP Rel 6	HSUPA Subtest-4	16.53	16.52	16.65	16.80	19.58	18.53	18.53
3GPP Rel 6	HSUPA Subtest-5	18.01	18.01	18.10	18.30	20.00	20.00	21.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	16.44	16.46	16.58	16.90	18.50	18.47	18.42

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	29.21	29.23	29.19	29.70	20.21	20.23	20.19	20.70
GPRS 1 Tx slot	29.24	29.24	29.19	29.70	20.24	20.24	20.19	20.70
GPRS 2 Tx slots	26.62	26.66	26.63	27.00	20.62	20.66	20.63	21.20
GPRS 3 Tx slots	23.91	23.93	23.90	25.00	19.65	19.65	19.67	19.84
GPRS 4 Tx slots	23.08	23.10	23.08	24.30	20.08	20.10	20.08	21.30
EDGE(GMSK) 1 Tx slot	29.24	29.23	29.21	29.70	20.24	20.23	20.21	20.70
EDGE(GMSK) 2 Tx slots	26.65	26.65	26.62	27.20	20.65	20.65	20.62	21.20
EDGE(GMSK) 3 Tx slots	23.92	23.92	23.87	25.00	19.66	19.66	19.61	20.74
EDGE(GMSK) 4 Tx slots	23.08	23.09	23.08	24.30	20.08	20.09	20.08	21.30
EDGE(GPRS) 1 Tx slot	25.81	25.82	25.76	26.80	16.81	16.82	16.76	17.50
EDGE(GPRS) 2 Tx slots	22.43	22.43	22.42	23.30	16.43	16.43	16.42	17.30
EDGE(GPRS) 3 Tx slots	19.91	19.93	19.91	20.80	15.65	15.67	15.65	16.54
EDGE(GPRS) 4 Tx slots	19.27	19.30	19.28	20.30	16.27	16.30	16.28	17.30

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	28.88	28.68	28.45	29.70	19.88	19.68	19.45	20.70
GPRS 1 Tx slot	28.88	28.69	28.47	29.70	19.88	19.69	19.47	20.70
GPRS 2 Tx slots	26.33	26.14	25.89	27.20	20.33	20.14	19.89	21.20
GPRS 3 Tx slots	23.62	23.40	23.17	25.00	19.36	19.14	18.91	20.74
GPRS 4 Tx slots	22.55	22.74	22.51	24.30	19.55	19.74	19.51	21.30
EDGE(GMSK) 1 Tx slot	28.96	28.78	28.55	29.70	19.96	19.78	19.55	20.70
EDGE(GMSK) 2 Tx slots	26.43	26.23	26.01	27.20	20.43	20.23	20.01	21.20
EDGE(GMSK) 3 Tx slots	23.68	23.48	23.27	25.00	19.42	19.22	19.01	20.74
EDGE(GMSK) 4 Tx slots	22.85	22.64	22.38	24.30	19.85	19.64	19.38	21.30
EDGE(GPRS) 1 Tx slot	25.25	25.05	24.79	26.50	16.25	16.05	15.79	17.50
EDGE(GPRS) 2 Tx slots	22.07	21.90	21.68	23.30	16.07	15.90	15.68	17.30
EDGE(GPRS) 3 Tx slots	19.82	19.41	19.16	20.80	15.36	15.15	14.90	16.54
EDGE(GPRS) 4 Tx slots	19.22	19.04	18.82	20.30	16.22	16.04	15.82	17.30

Band	WCDMA V_Ant 3			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	1312	1413	1513		1312	1413	1513	
TX Channel	1312	1413	1513	1312	1413	1513	1312	1413
Rx Channel	1537	1638	1738	1537	1638	1738	1537	



Band 2_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	17.50	17.52	17.52	18.3	0		
20	QPSK	1	49	17.68	17.72	17.75				
20	QPSK	1	99	17.49	17.60	17.57				
20	QPSK	50	0	17.81	17.81	17.81				
20	QPSK	50	24	17.52	17.52	17.52				
20	QPSK	50	50	17.49	17.49	17.54				
20	QPSK	100	0	17.52	17.81	17.55				
20	16QAM	1	0	17.57	17.50	17.48				
20	16QAM	1	49	17.51	17.46	17.66				
20	16QAM	1	99	17.59	17.63	17.47				
20	16QAM	50	0	17.67	17.56	17.52				
20	16QAM	50	24	17.48	17.68	17.54				
20	16QAM	50	50	17.46	17.53	17.38				
20	16QAM	100	0	17.54	17.80	17.38				
20	64QAM	1	0	17.51	17.59	17.53				
20	64QAM	1	49	17.49	17.56	17.54				
20	64QAM	1	99	17.50	17.59	17.54				
20	64QAM	50	0	17.59	17.43	17.50				
20	64QAM	50	24	17.51	17.60	17.43				
20	64QAM	50	50	17.51	17.50	17.49				
20	64QAM	100	0	17.56	17.82	17.46				
Channel										
Frequency (MHz)				18975	18900	19125				
15	QPSK	1	0	17.48	17.43	17.43	18.3	0		
15	QPSK	1	37	17.55	17.57	17.52				
15	QPSK	1	74	17.38	17.45	17.43				
15	QPSK	36	0	17.53	17.56	17.50				
15	QPSK	36	20	17.54	17.50	17.49				
15	QPSK	36	39	17.43	17.43	17.53				
15	QPSK	75	0	17.49	17.50	17.40				
15	16QAM	1	0	17.46	17.36	17.44				
15	16QAM	1	74	17.37	17.37	17.42				
15	16QAM	1	74	17.46	17.51	17.41				
15	16QAM	36	0	17.57	17.41	17.40				
15	16QAM	36	20	17.41	17.57	17.45				
15	16QAM	36	39	17.43	17.41	17.36				
15	16QAM	75	0	17.43	17.54	17.25				
15	64QAM	1	0	17.40	17.44	17.51				
15	64QAM	1	37	17.37	17.44	17.46				
15	64QAM	1	74	17.46	17.41	17.40				
15	64QAM	36	0	17.55	17.28	17.40				
15	64QAM	36	20	17.48	17.51	17.30				
15	64QAM	36	39	17.38	17.40	17.36				
15	64QAM	75	0	17.38	17.53	17.36				
Channel										
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	17.44	17.50	17.47	18.3	0		
10	QPSK	1	25	17.60	17.66	17.51				
10	QPSK	1	49	17.39	17.59	17.34				
10	QPSK	25	0	17.52	17.54	17.42				
10	QPSK	25	12	17.46	17.51	17.42				
10	QPSK	25	25	17.38	17.37	17.40				
10	QPSK	50	0	17.47	17.58	17.48				
10	16QAM	1	0	17.51	17.44	17.42				
10	16QAM	1	25	17.43	17.34	17.63				
10	16QAM	1	49	17.54	17.51	17.36				
10	16QAM	25	0	17.58	17.52	17.38				
10	16QAM	25	12	17.37	17.67	17.52				
10	16QAM	25	25	17.41	17.41	17.38				
10	16QAM	50	0	17.44	17.59	17.27				
10	64QAM	1	0	17.39	17.56	17.48				
10	64QAM	1	25	17.37	17.50	17.47				
10	64QAM	1	49	17.46	17.47	17.42				
10	64QAM	25	0	17.51	17.31	17.41				
10	64QAM	25	12	17.49	17.49	17.34				
10	64QAM	25	25	17.43	17.42	17.35				
10	64QAM	50	0	17.46	17.52	17.30				
Channel										
Frequency (MHz)				18625	18600	19175				
5	QPSK	1	0	17.48	17.40	17.52	18.3	0		
5	QPSK	1	12	17.66	17.65	17.52				
5	QPSK	1	24	17.37	17.50	17.42				
5	QPSK	12	0	17.60	17.48	17.45				
5	QPSK	12	7	17.51	17.62	17.55				
5	QPSK	12	13	17.36	17.36	17.42				
5	QPSK	25	0	17.45	17.56	17.52				
5	16QAM	1	0	17.53	17.37	17.33				
5	16QAM	1	12	17.45	17.34	17.56				
5	16QAM	1	24	17.48	17.52	17.39				
5	16QAM	12	0	17.58	17.47	17.41				
5	16QAM	12	7	17.41	17.59	17.41				
5	16QAM	12	13	17.34	17.48	17.31				
5	16QAM	25	0	17.44	17.57	17.24				
5	64QAM	1	0	17.40	17.53	17.45				
5	64QAM	1	12	17.35	17.42	17.45				
5	64QAM	1	24	17.45	17.41	17.33				
5	64QAM	12	0	17.57	17.32	17.47				
5	64QAM	12	7	17.48	17.59	17.34				
5	64QAM	12	13	17.48	17.40	17.47				
5	64QAM	25	0	17.40	17.50	17.37				
Channel										
Frequency (MHz)				18515	18900	19185				
3	QPSK	1	0	17.47	17.48	17.42	18.3	0		
3	QPSK	1	8	17.55	17.65	17.41				
3	QPSK	1	14	17.39	17.51	17.33				
3	QPSK	8	0	17.60	17.46	17.45				
3	QPSK	8	4	17.52	17.62	17.52				
3	QPSK	8	7	17.39	17.34	17.43				
3	QPSK	15	0	17.41	17.47	17.41				
3	16QAM	1	0	17.46	17.38	17.41				
3	16QAM	1	8	17.37	17.40	17.60				
3	16QAM	1	14	17.45	17.55	17.35				
3	16QAM	8	0	17.63	17.49	17.39				
3	16QAM	8	4	17.46	17.64	17.49				
3	16QAM	8	7	17.44	17.36	17.29				
3	16QAM	15	0	17.47	17.51	17.26				
3	64QAM	1	0	17.48	17.53	17.47				
3	64QAM	1	8	17.39	17.52	17.41				
3	64QAM	1	14	17.35	17.58	17.49				
3	64QAM	8	0	17.58	17.40	17.39				
3	64QAM	8	4	17.45	17.57	17.30				
3	64QAM	8	7	17.39	17.40	17.38				
3	64QAM	15	0	17.46	17.52	17.35				
Channel										
Frequency (MHz)				18607	18600	19193				
1.4	QPSK	1	0	17.48	17.40	17.38	18.3	0		
1.4	QPSK	1	3	17.56	17.61	17.41				
1.4	QPSK	1	5	17.47	17.56	17.30				
1.4	QPSK	3	0	17.53	17.56	17.50				
1.4	QPSK	3	1	17.56	17.58	17.41				
1.4	QPSK	3	3	17.34	17.43	17.51				
1.4	QPSK	6	0	17.41	17.53	17.51				
1.4	16QAM	1	0	17.47	17.49	17.36				
1.4	16QAM	1	3	17.38	17.45	17.84				
1.4	16QAM	1	4	17.44	17.48	17.37				
1.4	16QAM	3	0	17.58	17.51	17.49				
1.4	16QAM	3	1	17.47	17.61	17.49				
1.4	16QAM	3	3	17.33	17.51	17.30				
1.4	16QAM	6	0	17.50	17.56	17.32				
1.4	64QAM	1	0	17.47	17.45	17.50				
1.4	64QAM	1	3	17.37	17.43	17.51				
1.4	64QAM	1	5	17.45	17.49	17.41				
1.4	64QAM	3	0	17.51	17.33	17.45				
1.4	64QAM	3	1	17.39	17.58	17.34				
1.4	64QAM	3	3	17.46	17.38	17.39				
1.4	64QAM	6	0	17.42	17.60					



Band 4_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				2050	2075	2030					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	18.05	18.10	18.04	19.3	0			
20	QPSK	1	49	18.12	18.20	18.11					
20	QPSK	1	99	17.94	18.17	18.02					
20	QPSK	50	0	17.94	18.07	18.15					
20	QPSK	50	24	17.96	18.16	18.06					
20	QPSK	50	50	18.01	18.17	18.13					
20	QPSK	100	0	17.94	18.09	18.06					
20	16QAM	1	0	17.96	18.17	18.02					
20	16QAM	1	49	18.08	18.12	18.05					
20	16QAM	1	99	18.02	18.18	18.15					
20	16QAM	50	0	17.92	18.12	18.07					
20	16QAM	50	24	17.95	18.17	18.15					
20	16QAM	50	50	18.05	18.15	18.04					
20	64QAM	1	0	18.02	18.19	18.13					
20	64QAM	1	49	17.95	18.10	18.10					
20	64QAM	1	99	18.02	18.10	18.09					
20	64QAM	50	0	18.01	18.15	18.09					
20	64QAM	50	24	18.06	18.06	18.04					
20	64QAM	50	50	17.95	18.19	18.06					
20	64QAM	100	0	18.05	18.07	18.08					
Channel				2000	2075	2030					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	18.04	18.06	17.92					
15	QPSK	1	37	18.02	18.18	18.07					
15	QPSK	1	74	17.93	18.15	17.87					
15	QPSK	36	0	17.91	17.94	18.09					
15	QPSK	36	20	18.09	18.16	18.11					
15	QPSK	36	39	17.95	18.16	18.09					
15	QPSK	75	0	17.86	17.95	17.95					
15	16QAM	1	0	17.94	18.11	17.96					
15	16QAM	1	37	17.98	18.01	17.94					
15	16QAM	1	74	18.01	18.05	18.14					
15	16QAM	36	0	17.91	18.03	18.06					
15	16QAM	36	20	17.86	18.13	18.05					
15	16QAM	36	39	17.90	18.12	17.93					
15	16QAM	75	0	17.92	18.02	17.92					
15	64QAM	1	0	17.89	18.16	18.12					
15	64QAM	1	37	17.88	18.08	18.09					
15	64QAM	1	74	18.00	18.12	17.97					
15	64QAM	36	0	18.00	18.12	17.97					
15	64QAM	36	20	17.99	17.96	17.92					
15	64QAM	36	39	17.82	18.16	17.92					
15	64QAM	75	0	17.97	18.03	18.01					
Channel				2000	2075	2030					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	18.00	17.96	18.02					
10	QPSK	1	25	18.04	18.19	18.07					
10	QPSK	1	49	17.91	18.02	18.01					
10	QPSK	25	0	17.88	18.02	18.11					
10	QPSK	25	12	18.01	18.06	18.11					
10	QPSK	25	25	17.86	18.08	18.01					
10	QPSK	50	0	17.93	18.00	18.01					
10	16QAM	1	0	17.85	18.15	18.00					
10	16QAM	1	25	17.95	18.02	17.95					
10	16QAM	1	49	17.97	18.06	18.07					
10	16QAM	25	0	17.86	18.02	17.97					
10	16QAM	25	12	17.94	18.15	18.00					
10	16QAM	25	25	17.95	18.06	18.02					
10	16QAM	50	0	17.96	18.07	17.97					
10	64QAM	1	0	17.89	18.17	18.04					
10	64QAM	1	25	17.91	17.97	18.03					
10	64QAM	1	49	17.89	18.00	17.95					
10	64QAM	25	0	17.99	18.11	18.03					
10	64QAM	25	12	17.92	18.01	17.99					
10	64QAM	25	25	17.94	18.16	17.96					
10	64QAM	50	0	17.96	18.00	18.05					
Channel				1997.5	2075	2030					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	17.97	18.09	17.99					
5	QPSK	1	12	18.03	18.16	17.98					
5	QPSK	1	24	17.91	18.07	17.91					
5	QPSK	12	0	17.93	17.98	18.12					
5	QPSK	12	7	18.11	18.14	18.14					
5	QPSK	12	13	17.97	18.13	17.98					
5	QPSK	25	0	17.83	17.95	17.96					
5	16QAM	1	0	17.95	18.10	17.90					
5	16QAM	1	12	17.97	18.06	17.96					
5	16QAM	1	24	17.97	18.09	18.08					
5	16QAM	12	0	17.84	18.03	17.99					
5	16QAM	12	7	17.91	18.07	18.05					
5	16QAM	12	13	17.87	18.09	17.93					
5	16QAM	25	0	18.00	18.13	17.94					
5	64QAM	1	0	17.99	18.09	18.03					
5	64QAM	1	12	17.89	18.07	18.03					
5	64QAM	1	24	17.98	18.06	18.07					
5	64QAM	12	0	17.94	18.08	17.96					
5	64QAM	12	7	17.91	18.00	17.97					
5	64QAM	12	13	17.89	18.04	17.91					
5	64QAM	25	0	17.96	17.93	18.00					
Channel				1995	2075	2030					
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	18.02	18.02	17.91					
3	QPSK	1	8	18.01	18.18	18.09					
3	QPSK	1	14	17.88	18.09	17.88					
3	QPSK	8	0	17.80	18.03	18.05					
3	QPSK	8	4	18.05	18.15	18.10					
3	QPSK	8	7	17.93	18.12	17.98					
3	QPSK	15	0	17.79	17.96	17.85					
3	16QAM	1	0	17.84	18.08	17.95					
3	16QAM	1	8	17.99	18.01	17.98					
3	16QAM	1	14	17.91	18.07	18.14					
3	16QAM	8	0	17.85	18.01	18.00					
3	16QAM	8	4	17.86	18.05	18.08					
3	16QAM	8	7	17.94	18.07	17.95					
3	16QAM	15	0	17.91	18.03	17.92					
3	64QAM	1	0	17.92	18.14	18.04					
3	64QAM	1	8	17.83	18.03	18.00					
3	64QAM	1	14	17.96	18.04	17.94					
3	64QAM	8	0	17.85	18.04	18.03					
3	64QAM	8	4	17.98	17.96	18.02					
3	64QAM	8	7	17.88	18.10	18.04					
3	64QAM	15	0	18.00	17.97	18.04					
Channel				1997	2075	2030					
Frequency (MHz)				1710	1732.5	1754.3					
1.4	QPSK	1	0	18.04	18.04	17.89					
1.4	QPSK	1	3	18.06	18.16	18.04					
1.4	QPSK	1	5	17.84	18.03	17.85					
1.4	QPSK	3	0	17.90	17.98	18.09					
1.4	QPSK	3	1	18.05	18.15	18.09					
1.4	QPSK	3	3	17.87	18.08	17.99					
1.4	QPSK	6	0	17.88	18.00	17.94					
1.4	16QAM	1	0	17.91	18.09	18.00					
1.4	16QAM	1	3	18.05	18.03	17.99					
1.4	16QAM	1	5	17.96	18.10	18.13					
1.4	16QAM	3	0	17.77	17.99	17.94					
1.4	16QAM	3	1	17.91	18.09	18.12					
1.4	16QAM	3	3	17.90	18.10	17.89					
1.4	16QAM	6	0	17.85	18.07	17.89					
1.4	64QAM	1	0	17.88	18.04	18.07					
1.4	64QAM	1	3	17.88	17.99	17.97					
1.4	64QAM	1	5	18.00	17.97	18.08					
1.4	64QAM	3	0	17.97	18.01	17.98					
1.4											



Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	22.22	22.20	22.11	23.5	0		
10	QPSK	1	25	22.23	22.26	22.20				
10	QPSK	1	49	22.14	22.11	22.11				
10	QPSK	25	0	22.19	22.12	22.16	23.5	0		
10	QPSK	25	12	22.08	22.26	22.11				
10	QPSK	25	25	22.11	22.25	22.15				
10	QPSK	50	0	22.19	22.20	22.19	23.5	0		
10	16QAM	1	0	22.14	22.16	22.07				
10	16QAM	1	25	22.09	22.24	22.16				
10	16QAM	1	49	22.20	22.21	22.08	23.5	0		
10	16QAM	25	0	21.22	21.21	21.18				
10	16QAM	25	12	21.08	21.22	21.17				
10	16QAM	25	25	21.23	21.13	21.20	22.5	1		
10	16QAM	50	0	21.08	21.25	21.16				
10	64QAM	1	0	21.13	21.20	21.18				
10	64QAM	1	25	21.10	21.24	21.17	22.5	1		
10	64QAM	1	49	21.19	21.18	21.09				
10	64QAM	25	0	20.18	20.18	20.18				
10	64QAM	25	12	20.21	20.25	20.14	21.5	2		
10	64QAM	25	25	20.09	20.19	20.09				
10	64QAM	50	0	20.13	20.15	20.10				
Channel				20450	20525	20600				
Frequency (MHz)				829.5	836.5	843.5				
5	QPSK	1	0	22.12	22.16	22.05	23.5	0		
5	QPSK	1	12	22.21	22.25	22.25				
5	QPSK	1	24	22.06	21.98	22.07				
5	QPSK	12	0	22.15	22.11	22.16	23.5	0		
5	QPSK	12	7	22.11	22.16	22.03				
5	QPSK	12	13	22.11	22.12	22.04				
5	QPSK	25	0	22.08	22.20	22.12	23.5	0		
5	16QAM	1	0	22.10	22.11	21.96				
5	16QAM	1	12	21.98	22.09	22.11				
5	16QAM	1	24	22.18	22.08	22.02	22.5	1		
5	16QAM	12	0	21.21	21.17	21.17				
5	16QAM	12	7	21.05	21.12	21.06				
5	16QAM	12	13	21.14	21.10	21.14	22.5	1		
5	16QAM	25	0	21.07	21.21	21.11				
5	64QAM	1	0	21.04	21.20	21.17				
5	64QAM	1	12	21.01	21.24	21.11	22.5	1		
5	64QAM	1	24	21.08	21.15	21.06				
5	64QAM	12	0	20.03	20.05	20.15				
5	64QAM	12	7	20.07	20.15	20.11	21.5	2		
5	64QAM	12	13	19.96	20.16	20.04				
5	64QAM	25	0	20.11	20.12	19.99				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	22.12	22.08	21.96	23.5	0		
3	QPSK	1	8	22.12	22.21	22.20				
3	QPSK	1	14	22.13	21.98	22.00				
3	QPSK	8	0	22.12	22.01	22.08	23.5	0		
3	QPSK	8	4	22.13	22.20	22.07				
3	QPSK	8	7	21.96	22.19	22.10				
3	QPSK	15	0	22.09	22.19	22.15	23.5	0		
3	16QAM	1	0	22.11	22.16	22.01				
3	16QAM	1	8	21.97	22.14	22.13				
3	16QAM	1	14	22.09	22.13	21.99	23.5	0		
3	16QAM	8	0	21.15	21.14	21.04				
3	16QAM	8	4	21.06	21.14	21.13				
3	16QAM	8	7	21.23	21.11	21.16	22.5	1		
3	16QAM	15	0	21.08	21.17	21.11				
3	64QAM	1	0	21.07	21.15	21.14				
3	64QAM	1	8	21.02	21.15	21.16	22.5	1		
3	64QAM	1	14	21.11	21.15	20.99				
3	64QAM	8	0	20.05	20.04	20.16				
3	64QAM	8	4	20.13	20.12	20.07	21.5	2		
3	64QAM	8	7	20.06	20.19	19.96				
3	64QAM	15	0	20.12	20.12	20.02				
Channel				20407	20525	20643				
Frequency (MHz)				827.7	836.5	845.3				
1.4	QPSK	1	0	22.22	22.12	22.04	23.5	0		
1.4	QPSK	1	3	22.17	22.15	22.13				
1.4	QPSK	1	5	21.99	22.04	22.10				
1.4	QPSK	3	0	22.04	22.05	22.10	23.5	0		
1.4	QPSK	3	1	22.12	22.12	22.14				
1.4	QPSK	3	3	22.03	22.17	22.06				
1.4	QPSK	6	0	22.04	22.13	22.12	23.5	0		
1.4	16QAM	1	0	21.99	22.10	21.93				
1.4	16QAM	1	3	22.02	22.16	22.03				
1.4	16QAM	1	5	22.19	22.20	22.07	23.5	0		
1.4	16QAM	3	0	21.96	22.05	21.79				
1.4	16QAM	3	1	21.99	22.09	21.98				
1.4	16QAM	3	3	22.19	22.09	21.95	22.5	1		
1.4	16QAM	6	0	21.07	21.17	21.08				
1.4	64QAM	1	0	21.11	21.07	21.11				
1.4	64QAM	1	3	21.04	21.24	21.06	22.5	1		
1.4	64QAM	1	5	21.06	21.09	21.04				
1.4	64QAM	3	0	21.04	20.98	21.10				
1.4	64QAM	3	1	20.99	21.13	20.92	21.5	2		
1.4	64QAM	3	3	21.01	21.09	20.97				
1.4	64QAM	6	0	20.12	20.15	20.07				

Band 7_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	15.44	15.66	15.53	16.8	0		
20	QPSK	1	49	15.60	15.70	15.57				
20	QPSK	1	99	15.46	15.53	15.56				
20	QPSK	50	0	15.44	15.52	15.53	16.8	0		
20	QPSK	50	24	15.77	15.67	15.52				
20	QPSK	50	50	15.56	15.66	15.46				
20	QPSK	100	0	15.49	15.66	15.38	16.8	0		
20	16QAM	1	0	15.80	15.63	15.42				
20	16QAM	1	49	15.83	15.55	15.41				
20	16QAM	1	99	15.67	15.55	15.60	16.8	0		
20	16QAM	50	0	15.51	15.63	15.59				
20	16QAM	50	24	15.43	15.64	15.53				
20	16QAM	50	50	15.49	15.67	15.52	16.8	0		
20	16QAM	100	0	15.63	15.59	15.44				
20	64QAM	1	0	15.54	15.61	15.52				
20	64QAM	1	49	15.49	15.62	15.62	16.8	0		
20	64QAM	1	99	15.47	15.59	15.62				
20	64QAM	50	0	15.46	15.57	15.56				
20	64QAM	50	24	15.68	15.53	15.41	16.8	0		
20	64QAM	50	50	15.65	15.59	15.55				
20	64QAM	100	0	15.50	15.61	15.50				
Channel				20925	21100	21375				
Frequency (MHz)				2077.5	2095	2092.5				
15	QPSK	1	0	15.29	15.57	15.43	16.8	0		
15	QPSK	1	37	15.48	15.55	15.45				
15	QPSK	1	74	15.35	15.41	15.45				
15	QPSK	36	0	15.38	15.47	15.38	16.8	0		
15	QPSK	36	20	15.47	15.52	15.52				
15	QPSK	36	39	15.47	15.53	15.32				
15	QPSK	75	0	15.51	15.51	15.30	16.8	0		
15	16QAM	1	0	15.46	15.48	15.31				
15	16QAM	1	37	15.54	15.46	15.30				
15	16QAM	1	74	15.52	15.43	15.52	16.8	0		
15	16QAM	1	74	15.52	15.43	15.52				
15	16QAM	36	0	15.38	15.49	15.45				
15	16QAM	36	20	15.37	15.54	15.42	16.8	0		
15	16QAM	36	39	15.42	15.52	15.45				
15	16QAM	75	0	15.48	15.52	15.34				
15	64QAM	1	0	15.43	15.53	15.40	16.8	0		
15	64QAM	1	37	15.36	15.56	15.48				
15	64QAM	1	74	15.38	15.53	15.52				
15	64QAM	36	0	15.41	15.42	15.46				



Band 7_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.97	16.90	16.88		18.3	0	
20	QPSK	1	49	17.08	17.09	16.99				
20	QPSK	1	99	17.08	16.98	16.75				
20	QPSK	50	0	17.00	16.91	16.90				
20	QPSK	50	24	16.98	17.06	16.94				
20	QPSK	50	50	17.00	17.04	16.82		18.3	0	
20	QPSK	100	0	16.93	17.03	16.76				
20	16QAM	1	0	16.91	16.97	17.03				
20	16QAM	1	49	17.06	16.96	16.98				
20	16QAM	1	99	17.07	17.00	16.96				
20	16QAM	50	0	17.04	16.93	16.99				
20	16QAM	50	24	17.03	16.94	17.05		18.3	0	
20	16QAM	50	50	17.02	16.95	16.99				
20	64QAM	1	0	17.03	17.00	17.06				
20	64QAM	1	49	17.08	17.02	16.99		18.3	0	
20	64QAM	1	99	17.08	16.95	17.08				
20	64QAM	50	0	17.07	17.00	16.90				
20	64QAM	50	24	17.02	17.02	17.01				
20	64QAM	50	50	17.05	17.02	16.95		18.3	0	
20	64QAM	100	0	16.98	17.01	17.04				
Channel				20925	21100	21375	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2597.5	2535	2592.5				
15	QPSK	1	0	16.82	16.84	16.75		18.3	0	
15	QPSK	1	37	16.95	17.04	16.91				
15	QPSK	1	74	17.00	16.92	16.63				
15	QPSK	36	0	16.86	16.83	16.77				
15	QPSK	36	20	17.01	16.95	16.86		18.3	0	
15	QPSK	36	39	16.90	16.95	16.77				
15	QPSK	75	0	16.80	16.89	16.64				
15	16QAM	1	0	16.83	16.86	16.93		18.3	0	
15	16QAM	1	37	16.97	16.93	16.86				
15	16QAM	1	74	17.01	16.91	16.84				
15	16QAM	36	0	16.81	16.84	16.91				
15	16QAM	36	20	16.88	16.81	16.93		18.3	0	
15	16QAM	36	39	16.88	16.81	16.92				
15	16QAM	75	0	16.87	16.85	16.88				
15	64QAM	1	0	16.97	16.90	16.93				
15	64QAM	1	37	16.99	16.97	16.90		18.3	0	
15	64QAM	1	74	16.98	16.92	17.02				
15	64QAM	36	0	16.92	16.93	16.76				
15	64QAM	36	20	16.89	16.92	16.88		18.3	0	
15	64QAM	36	39	16.98	16.94	16.96				
15	64QAM	75	0	16.93	16.95	16.93				
Channel				20800	21100	21400	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	16.89	16.80	16.81		18.3	0	
10	QPSK	1	25	16.93	17.03	16.84				
10	QPSK	1	49	16.99	16.83	16.65				
10	QPSK	25	0	16.85	16.77	16.80				
10	QPSK	25	12	16.92	16.95	16.85		18.3	0	
10	QPSK	25	25	16.94	16.94	16.74				
10	QPSK	50	0	16.87	16.88	16.69				
10	16QAM	1	0	16.84	16.91	16.94				
10	16QAM	1	25	16.93	16.89	16.88		18.3	0	
10	16QAM	1	49	16.92	16.85	16.90				
10	16QAM	25	0	16.92	16.78	16.84				
10	16QAM	25	12	16.98	16.79	16.88		18.3	0	
10	16QAM	25	25	16.89	16.82	16.96				
10	16QAM	50	0	16.90	16.85	16.94				
10	64QAM	1	0	16.96	16.91	17.00				
10	64QAM	1	25	16.93	16.93	16.97		18.3	0	
10	64QAM	1	49	16.94	16.81	16.88				
10	64QAM	25	0	17.02	16.86	16.80				
10	64QAM	25	12	16.91	16.87	16.91		18.3	0	
10	64QAM	25	25	16.95	16.87	16.82				
10	64QAM	50	0	16.91	16.86	16.86				
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2592.5	2535	2597.5				
5	QPSK	1	0	16.87	16.76	16.75		18.3	0	
5	QPSK	1	12	17.02	16.97	16.91				
5	QPSK	1	24	16.98	16.87	16.65				
5	QPSK	12	0	16.85	16.85	16.76				
5	QPSK	12	7	17.01	16.95	16.86		18.3	0	
5	QPSK	12	13	16.92	16.90	16.73				
5	QPSK	25	0	16.79	16.89	16.65				
5	16QAM	1	0	16.85	16.88	16.94				
5	16QAM	1	12	16.98	16.87	16.85		18.3	0	
5	16QAM	1	24	17.02	16.86	16.81				
5	16QAM	12	0	16.85	16.78	16.88				
5	16QAM	12	7	16.91	16.84	16.90		18.3	0	
5	16QAM	12	13	16.86	16.88	16.92				
5	16QAM	25	0	16.96	16.87	16.86				
5	64QAM	1	0	16.93	16.85	16.93				
5	64QAM	1	12	17.00	16.91	16.92		18.3	0	
5	64QAM	1	24	16.95	16.80	16.96				
5	64QAM	12	0	16.96	16.85	16.78				
5	64QAM	12	7	16.91	16.91	16.93		18.3	0	
5	64QAM	12	13	16.92	16.95	16.90				
5	64QAM	25	0	16.84	16.89	16.87				

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.87	21.84	21.87		22.2	0	
10	QPSK	1	25	21.89	21.97	21.90				
10	QPSK	1	49	21.88	21.92	21.88				
10	QPSK	25	0	21.82	21.84	21.82		22.2	0	
10	QPSK	25	12	21.88	21.86	21.83				
10	QPSK	25	25	21.88	21.95	21.91				
10	QPSK	50	0	21.83	21.91	21.87				
10	16QAM	1	0	21.80	21.93	21.86				
10	16QAM	1	25	21.82	21.88	21.95		22.2	0	
10	16QAM	1	49	21.80	21.93	21.87				
10	16QAM	25	0	21.88	21.95	21.93				
10	16QAM	25	12	21.84	21.89	21.96		22.2	0	
10	16QAM	25	25	21.91	21.90	21.91				
10	16QAM	50	0	21.86	21.95	21.91				
10	64QAM	1	0	21.88	21.87	21.87				
10	64QAM	1	25	21.91	21.95	21.90		22.2	0	
10	64QAM	1	49	21.88	21.91	21.88				
10	64QAM	25	0	21.31	21.44	21.37				
10	64QAM	25	12	21.33	21.39	21.44				
10	64QAM	25	25	21.32	21.40	21.43		21.7	0.5	
10	64QAM	50	0	21.41	21.39	21.41				
Channel				23035	23095	23155	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.72	21.79	21.78		22.2	0	
5	QPSK	1	12	21.76	21.87	21.79				
5	QPSK	1	24	21.81	21.86	21.82				
5	QPSK	12	0	21.71	21.81	21.80				
5	QPSK	12	7	21.77	21.82	21.87		22.2	0	
5	QPSK	12	13	21.74	21.89	21.85				
5	QPSK	25	0	21.88	21.85	21.72				
5	16QAM	1	0	21.77	21.80	21.77		22.2	0	
5	16QAM	1	12	21.77	21.83	21.80				
5	16QAM	1	24	21.75	21.82	21.82				
5	16QAM	12	0	21.76	21.84	21.82				
5	16QAM	12	7	21.82	21.81	21.87		22.2	0	
5	16QAM	12	13	21.79	21.74	21.85				
5	16QAM	12	13</							



Band 13_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0	20.64			21	0	
10	QPSK	1	25	20.79					
10	QPSK	1	49	20.65					
10	QPSK	25	0	20.72			21	0	
10	QPSK	25	12	20.74					
10	QPSK	25	25	20.67					
10	QPSK	50	0	20.85			21	0	
10	16QAM	1	0	20.67					
10	16QAM	1	25	20.73					
10	16QAM	1	49	20.73			21	0	
10	16QAM	25	0	20.70					
10	16QAM	25	12	20.72					
10	16QAM	25	25	20.70			21	0	
10	16QAM	50	0	20.65					
10	64QAM	1	0	20.73					
10	64QAM	1	25	20.71			21	0	
10	64QAM	1	49	20.71					
10	64QAM	25	0	20.20					
10	64QAM	25	12	20.24			20.5	0.5	
10	64QAM	25	25	20.21					
10	64QAM	50	0	20.16					
Channel				23205					
Frequency (MHz)				782					
5	QPSK	1	0	20.51	20.53	20.57	21	0	
5	QPSK	1	12	20.66	20.68	20.69			
5	QPSK	1	24	20.60	20.57	20.59			
5	QPSK	12	0	20.62	20.62	20.58	21	0	
5	QPSK	12	7	20.67	20.59	20.61			
5	QPSK	12	13	20.81	20.56	20.59			
5	QPSK	25	0	20.59	20.59	20.57	21	0	
5	16QAM	1	0	20.59	20.56	20.57			
5	16QAM	1	12	20.59	20.65	20.67			
5	16QAM	1	24	20.65	20.68	20.61	21	0	
5	16QAM	12	0	20.60	20.65	20.62			
5	16QAM	12	7	20.60	20.62	20.58			
5	16QAM	12	13	20.64	20.57	20.56	21	0	
5	16QAM	25	0	20.57	20.60	20.59			
5	64QAM	1	0	20.66	20.64	20.64			
5	64QAM	1	12	20.59	20.64	20.65	21	0	
5	64QAM	1	24	20.63	20.59	20.59			
5	64QAM	12	0	20.05	20.14	20.10			
5	64QAM	12	7	20.10	20.12	20.13	20.5	0.5	
5	64QAM	12	13	20.13	20.12	20.08			
5	64QAM	25	0	20.09	20.04	20.05			

Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0	22.19			23.5	0	
10	QPSK	1	25	22.23					
10	QPSK	1	49	22.19					
10	QPSK	25	0	21.23			22.5	1	
10	QPSK	25	12	21.28					
10	QPSK	25	25	21.25					
10	QPSK	50	0	21.22			22.5	1	
10	16QAM	1	0	21.47					
10	16QAM	1	25	21.54					
10	16QAM	1	49	21.44			21.5	2	
10	16QAM	25	0	20.24					
10	16QAM	25	12	20.21					
10	16QAM	25	25	20.25			21.5	2	
10	16QAM	50	0	20.25					
10	64QAM	1	0	20.35					
10	64QAM	1	25	20.32			20.5	3	
10	64QAM	1	49	20.32					
10	64QAM	25	0	19.23					
10	64QAM	25	12	19.24			20.5	3	
10	64QAM	25	25	19.22					
10	64QAM	50	0	19.24					
Channel				23205					
Frequency (MHz)				782					
5	QPSK	1	0	22.08	22.16	22.08	23.5	0	
5	QPSK	1	12	22.12	22.10	22.13			
5	QPSK	1	24	22.19	22.04	22.04			
5	QPSK	12	0	21.21	21.17	21.23	22.5	1	
5	QPSK	12	7	21.15	21.13	21.13			
5	QPSK	12	13	21.18	21.11	21.22			
5	QPSK	25	0	21.16	21.21	21.15	22.5	1	
5	16QAM	1	0	21.47	21.40	21.44			
5	16QAM	1	12	21.39	21.39	21.45			
5	16QAM	1	24	21.30	21.31	21.42	21.5	2	
5	16QAM	12	0	20.13	20.14	20.18			
5	16QAM	12	7	20.07	20.08	20.15			
5	16QAM	12	13	20.20	20.22	20.17	21.5	2	
5	16QAM	25	0	20.13	20.21	20.23			
5	64QAM	1	0	20.32	20.28	20.23			
5	64QAM	1	12	20.18	20.32	20.20	21.5	2	
5	64QAM	1	24	20.23	20.32	20.27			
5	64QAM	12	0	19.20	19.15	19.23			
5	64QAM	12	7	19.24	19.24	19.16	20.5	3	
5	64QAM	12	13	19.07	19.16	19.22			
5	64QAM	25	0	19.19	19.15	19.11			

Band 17_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				23780					
Frequency (MHz)				709					
10	QPSK	1	0	21.59	21.60	21.47	22.2	0	
10	QPSK	1	25	21.63	21.71	21.53			
10	QPSK	1	49	21.67	21.62	21.49			
10	QPSK	25	0	21.62	21.67	21.46	22.2	0	
10	QPSK	25	12	21.65	21.68	21.51			
10	QPSK	25	25	21.60	21.60	21.51			
10	QPSK	50	0	21.58	21.59	21.53	22.2	0	
10	16QAM	1	0	21.44	21.47	21.42			
10	16QAM	1	25	21.48	21.60	21.41			
10	16QAM	1	49	21.44	21.53	21.38	22.2	0	
10	16QAM	25	0	21.56	21.59	21.36			
10	16QAM	25	12	21.50	21.55	21.42			
10	16QAM	25	25	21.50	21.47	21.36	22.2	0	
10	16QAM	50	0	21.53	21.44	21.38			
10	64QAM	1	0	21.51	21.45	21.38			
10	64QAM	1	25	21.52	21.60	21.44	22.2	0	
10	64QAM	1	49	21.46	21.48	21.44			
10	64QAM	25	0	21.20	21.16	21.29			
10	64QAM	25	12	21.23	21.20	21.29	21.7	0.5	
10	64QAM	25	25	21.30	21.31	21.38			
10	64QAM	50	0	21.09	21.26	21.29			
Channel				23765					
Frequency (MHz)				710					
5	QPSK	1	0	21.44	21.52	21.34	22.2	0	
5	QPSK	1	12	21.55	21.59	21.43			
5	QPSK	1	24	21.44	21.49	21.40			
5	QPSK	12	0	21.51	21.54	21.36	22.2	0	
5	QPSK	12	7	21.56	21.58	21.36			
5	QPSK	12	13	21.47	21.49	21.40			
5	QPSK	25	0	21.50	21.48	21.48	22.2	0	
5	16QAM	1	0	21.31	21.40	21.35			
5	16QAM	1	12	21.41	21.55	21.32			
5	16QAM	1	24	21.37	21.43	21.27	22.2	0	
5	16QAM	12	0	21.49	21.52	21.24			
5	16QAM	12	7	21.36	21.41	21.31			
5	16QAM	12	13	21.44	21.37	21.24	22.2	0	
5	16QAM	25	0	21.46	21.32	21.32			
5	64QAM	1	0	21.37	21.40	21.32			
5	64QAM	1	12	21.39	21.47	21.33	22.2	0	
5	64QAM	1	24	21.39	21.43	21.37			
5	64QAM	12	0	21.11	21.08	21.16			
5	64QAM	12	7	21.17	21.15	21.21	21.7	0.5	
5	64QAM	12	13	21.16	21.19	21.23			
5	64QAM	25	0	20.99	21.15	21.30			



Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23810			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.79	22.78	22.76	24.2	0	
10	QPSK	1	25	22.80	22.81	22.78			
10	QPSK	1	49	22.78	22.78	22.71			
10	QPSK	25	0	22.28	22.32	22.23	23.7	0.5	
10	QPSK	25	12	22.78	22.36	22.28			
10	QPSK	25	25	22.25	22.34	22.26			
10	QPSK	50	0	22.26	22.27	22.21	23.7	0.5	
10	16QAM	1	0	22.25	22.29	22.21			
10	16QAM	1	25	22.23	22.31	22.22			
10	16QAM	1	49	22.32	22.29	22.22	22.7	1.5	
10	16QAM	25	0	21.32	21.26	21.24			
10	16QAM	25	12	21.32	21.34	21.25			
10	16QAM	25	25	21.23	21.27	21.26	22.7	1.5	
10	16QAM	50	0	21.29	21.27	21.22			
10	64QAM	1	0	21.32	21.26	21.24			
10	64QAM	1	25	21.25	21.26	21.20	22.7	1.5	
10	64QAM	1	49	21.27	21.33	21.24			
10	64QAM	25	0	20.25	20.31	20.23			
10	64QAM	25	12	20.29	20.29	20.24	21.7	2.5	
10	64QAM	25	25	20.24	20.27	20.20			
10	64QAM	50	0	20.25	20.26	20.21			
Channel				23715	23790	23825	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.89	22.83	22.83	24.2	0	
5	QPSK	1	12	22.85	22.86	22.72			
5	QPSK	1	24	22.84	22.72	22.56			
5	QPSK	12	0	22.13	22.20	22.16	23.7	0.5	
5	QPSK	12	7	22.21	22.28	22.21			
5	QPSK	12	13	22.16	22.21	22.12			
5	QPSK	25	0	22.19	22.16	22.16	23.7	0.5	
5	16QAM	1	0	22.10	22.17	22.15			
5	16QAM	1	24	22.22	22.15	22.08			
5	16QAM	12	0	21.32	21.11	21.17	22.7	1.5	
5	16QAM	12	7	21.19	21.23	21.12			
5	16QAM	12	13	21.13	21.15	21.17			
5	16QAM	25	0	21.14	21.15	21.10	22.7	1.5	
5	64QAM	1	0	21.17	21.16	21.10			
5	64QAM	1	12	21.16	21.14	21.12			
5	64QAM	1	24	21.18	21.27	21.17	21.7	2.5	
5	64QAM	12	0	20.13	20.26	20.16			
5	64QAM	12	7	20.17	20.19	20.06			
5	64QAM	12	13	20.10	20.20	20.18	21.7	2.5	
5	64QAM	25	0	20.11	20.17	20.06			

Band 26(FCC)_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	19.70	19.75	19.75	20.1	0	
15	QPSK	1	37	19.75	19.79	19.78			
15	QPSK	1	74	19.75	19.66	19.75			
15	QPSK	36	0	19.70	19.72	19.65	20.1	0	
15	QPSK	36	20	19.75	19.78	19.61			
15	QPSK	36	39	19.71	19.75	19.70			
15	QPSK	75	0	19.67	19.68	19.64	20.1	0	
15	16QAM	1	0	19.72	19.66	19.77			
15	16QAM	1	37	19.78	19.72	19.76			
15	16QAM	1	74	19.68	19.65	19.72	20.1	0	
15	16QAM	36	0	19.73	19.77	19.68			
15	16QAM	36	20	19.74	19.73	19.77			
15	16QAM	36	39	19.75	19.71	19.73	20.1	0	
15	16QAM	75	0	19.74	19.74	19.74			
15	64QAM	1	0	19.72	19.75	19.71			
15	64QAM	1	37	19.75	19.67	19.75	20.1	0	
15	64QAM	1	74	19.78	19.71	19.69			
15	64QAM	36	0	19.68	19.78	19.73			
15	64QAM	36	20	19.76	19.72	19.75	20.1	0	
15	64QAM	36	39	19.75	19.71	19.69			
15	64QAM	75	0	19.73	19.73	19.75			
Channel				26740	26865	26990	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819.0	831.5	844.0			
10	QPSK	1	0	19.61	19.69	19.66	20.1	0	
10	QPSK	1	25	19.61	19.70	19.66			
10	QPSK	1	49	19.61	19.61	19.61			
10	QPSK	25	0	19.62	19.65	19.62	20.1	0	
10	QPSK	25	12	19.66	19.61	19.64			
10	QPSK	25	25	19.62	19.68	19.63			
10	QPSK	50	0	19.67	19.68	19.60	20.1	0	
10	16QAM	1	0	19.64	19.51	19.64			
10	16QAM	1	25	19.72	19.61	19.65			
10	16QAM	1	49	19.60	19.59	19.58	20.1	0	
10	16QAM	25	0	19.68	19.62	19.63			
10	16QAM	25	12	19.67	19.61	19.69			
10	16QAM	25	25	19.60	19.64	19.66	20.1	0	
10	16QAM	50	0	19.62	19.59	19.64			
10	64QAM	1	0	19.58	19.69	19.62			
10	64QAM	1	25	19.69	19.62	19.62	20.1	0	
10	64QAM	1	49	19.71	19.61	19.61			
10	64QAM	25	0	19.62	19.68	19.68			
10	64QAM	25	12	19.63	19.59	19.66	20.1	0	
10	64QAM	25	25	19.62	19.66	19.58			
10	64QAM	50	0	19.61	19.61	19.67			
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	19.58	19.65	19.60	20.1	0	
5	QPSK	1	12	19.61	19.74	19.66			
5	QPSK	1	24	19.65	19.59	19.64			
5	QPSK	12	0	19.57	19.61	19.51	20.1	0	
5	QPSK	12	7	19.60	19.68	19.61			
5	QPSK	12	13	19.64	19.65	19.56			
5	QPSK	25	0	19.65	19.67	19.65	20.1	0	
5	16QAM	1	0	19.66	19.55	19.69			
5	16QAM	1	12	19.66	19.66	19.61			
5	16QAM	1	24	19.62	19.57	19.67	20.1	0	
5	16QAM	12	0	19.67	19.69	19.55			
5	16QAM	12	7	19.63	19.58	19.65			
5	16QAM	12	13	19.69	19.65	19.64	20.1	0	
5	16QAM	25	0	19.68	19.59	19.62			
5	64QAM	1	0	19.64	19.64	19.65			
5	64QAM	1	12	19.66	19.54	19.68	20.1	0	
5	64QAM	1	24	19.65	19.58	19.55			
5	64QAM	12	0	19.59	19.63	19.62			
5	64QAM	12	7	19.64	19.61	19.64	20.1	0	
5	64QAM	12	13	19.67	19.66	19.62			
5	64QAM	25	0	19.67	19.63	19.64			
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	19.60	19.63	19.62	20.1	0	
3	QPSK	1	8	19.68	19.70	19.70			
3	QPSK	1	14	19.66	19.56	19.62			
3	QPSK	8	0	19.62	19.65	19.51	20.1	0	
3	QPSK	8	4	19.70	19.63	19.66			
3	QPSK	8	7	19.58	19.70	19.64			
3	QPSK	15	0	19.64	19.68	19.64	20.1	0	
3	16QAM	1	0	19.58	19.56	19.72			
3	16QAM	1	8	19.65	19.65	19.67			
3	16QAM	1	14	19.58	19.62	19.63	20.1	0	
3	16QAM	8	0	19.68	19.71	19.54			
3	16QAM	8	4	19.61	19.64	19.70			
3	16QAM	8	7	19.63	19.61	19.63	20.1	0	
3	16QAM	15	0	19.62	19.67	19.61			
3	64QAM	1	0	19.58	19.67	19.65			
3	64QAM	1	8	19.68	19.59	19.66	20.1	0	
3	64QAM	1	14	19.67	19.63	19.60			
3	64QAM	8	0	19.53	19.73	19.66			
3	64QAM	8	4	19.63	19.67	19.65	20.1	0	
3	64QAM	8	7	19.68	19.63	19.61			
3	64QAM	15	0	19.64	19.55	19.68			
Channel				26697	26865	27033	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	19.64	19.65	19.61	20.1	0	
1.4	QPSK	1	3	19.61	19.71	19.68			
1.4	QPSK	1	5	19.69	19.53	19.65			
1.4	QPSK	3	0	19.56	19.65	19.50	20.1	0	
1.4	QPSK	3	1	19.68	19.62	19.63			
1.4	QPSK	3	3	19.63	19.63	19.59			
1.4	QPSK	6	0	19.70	19.65	19.60	20.1	0	
1.4	16QAM	1	0	19.62	19.59	19.72			
1.4	16QAM	1	3	19.72	19.62	19.63			
1.4	16QAM	1	5	19.63	19.59				



Band 66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.74	19.83	19.74	20.3	0		
20	QPSK	1	49	19.89	19.91	19.84				
20	QPSK	1	99	19.84	19.76	19.80				
20	QPSK	50	0	19.81	19.76	19.74				
20	QPSK	50	24	19.81	19.76	19.84				
20	QPSK	50	50	19.70	19.87	19.81				
20	QPSK	100	0	19.78	19.83	19.81				
20	16QAM	1	0	19.86	19.86	19.77				
20	16QAM	1	49	19.85	19.85	19.76				
20	16QAM	1	99	19.88	19.77	19.76				
20	16QAM	50	0	19.86	19.75	19.71				
20	16QAM	50	24	19.85	19.73	19.84				
20	16QAM	50	50	19.84	19.83	19.72				
20	16QAM	100	0	19.81	19.76	19.84				
20	64QAM	1	0	19.86	19.85	19.71				
20	64QAM	1	49	19.89	19.83	19.84				
20	64QAM	1	99	19.87	19.80	19.76				
20	64QAM	50	0	19.87	19.86	19.86				
20	64QAM	50	24	19.87	19.82	19.80				
20	64QAM	50	50	19.79	19.81	19.80				
20	64QAM	100	0	19.79	19.76	19.77				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.80	19.77	19.70	20.3	0		
15	QPSK	1	37	19.75	19.86	19.89				
15	QPSK	1	74	19.79	19.85	19.74				
15	QPSK	36	0	19.75	19.82	19.73				
15	QPSK	36	20	19.82	19.71	19.83				
15	QPSK	36	39	19.75	19.76	19.72				
15	QPSK	75	0	19.88	19.63	19.72				
15	16QAM	1	0	19.81	19.73	19.84				
15	16QAM	1	37	19.86	19.70	19.85				
15	16QAM	1	74	19.87	19.70	19.81				
15	16QAM	36	0	19.72	19.80	19.88				
15	16QAM	36	20	19.77	19.63	19.79				
15	16QAM	36	39	19.78	19.74	19.59				
15	16QAM	75	0	19.87	19.66	19.71				
15	64QAM	1	0	19.91	19.75	19.84				
15	64QAM	1	37	19.88	19.78	19.71				
15	64QAM	1	74	19.91	19.67	19.84				
15	64QAM	36	0	19.78	19.73	19.71				
15	64QAM	36	20	19.87	19.79	19.71				
15	64QAM	36	39	19.69	19.66	19.67				
15	64QAM	75	0	19.62	19.74	19.84				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.74	19.80	19.68	20.3	0		
10	QPSK	1	25	19.72	19.81	19.79				
10	QPSK	1	49	19.79	19.66	19.71				
10	QPSK	25	0	19.82	19.59	19.79				
10	QPSK	25	12	19.76	19.65	19.59				
10	QPSK	25	25	19.75	19.77	19.66				
10	QPSK	50	0	19.87	19.65	19.72				
10	16QAM	1	0	19.86	19.77	19.84				
10	16QAM	1	25	19.87	19.62	19.66				
10	16QAM	1	49	19.91	19.67	19.61				
10	16QAM	25	0	19.81	19.69	19.58				
10	16QAM	25	12	19.78	19.62	19.71				
10	16QAM	25	25	19.76	19.72	19.67				
10	16QAM	50	0	19.83	19.71	19.69				
10	16QAM	50	0	19.88	19.78	19.56				
10	16QAM	1	25	19.90	19.78	19.69				
10	16QAM	1	49	19.81	19.71	19.65				
10	16QAM	25	0	19.82	19.80	19.77				
10	16QAM	25	12	19.89	19.87	19.73				
10	16QAM	25	25	19.85	19.69	19.69				
10	16QAM	50	0	19.87	19.73	19.65				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.63	19.83	19.68	20.3	0		
5	QPSK	1	12	19.75	19.84	19.82				
5	QPSK	1	24	19.72	19.84	19.68				
5	QPSK	12	0	19.76	19.60	19.77				
5	QPSK	12	7	19.85	19.71	19.65				
5	QPSK	12	13	19.70	19.76	19.74				
5	QPSK	25	0	19.84	19.71	19.68				
5	16QAM	1	0	19.86	19.74	19.70				
5	16QAM	1	12	19.86	19.67	19.68				
5	16QAM	1	24	19.91	19.70	19.67				
5	16QAM	12	0	19.75	19.68	19.62				
5	16QAM	12	7	19.72	19.64	19.75				
5	16QAM	12	13	19.74	19.76	19.60				
5	16QAM	25	0	19.74	19.63	19.76				
5	16QAM	25	0	19.83	19.70	19.62				
5	64QAM	1	0	19.84	19.75	19.74				
5	64QAM	1	12	19.75	19.67	19.65				
5	64QAM	12	0	19.77	19.73	19.79				
5	64QAM	12	7	19.88	19.77	19.65				
5	64QAM	12	13	19.72	19.66	19.69				
5	64QAM	25	0	19.57	19.66	19.69				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.79	19.83	19.84	20.3	0		
3	QPSK	1	8	19.69	19.80	19.85				
3	QPSK	1	14	19.75	19.65	19.66				
3	QPSK	8	0	19.77	19.65	19.78				
3	QPSK	8	4	19.84	19.67	19.64				
3	QPSK	8	7	19.73	19.72	19.76				
3	QPSK	15	0	19.81	19.73	19.68				
3	16QAM	1	0	19.84	19.74	19.72				
3	16QAM	1	8	19.89	19.60	19.61				
3	16QAM	1	14	19.91	19.71	19.62				
3	16QAM	8	0	19.76	19.68	19.63				
3	16QAM	8	4	19.74	19.61	19.73				
3	16QAM	8	7	19.66	19.77	19.67				
3	16QAM	15	0	19.74	19.61	19.69				
3	64QAM	1	0	19.91	19.80	19.63				
3	64QAM	1	8	19.90	19.74	19.70				
3	64QAM	1	14	19.78	19.71	19.65				
3	64QAM	8	0	19.73	19.72	19.76				
3	64QAM	8	4	19.88	19.81	19.72				
3	64QAM	8	7	19.64	19.66	19.71				
3	64QAM	15	0	19.64	19.68	19.68				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.75	19.85	19.80	20.3	0		
1.4	QPSK	1	3	19.70	19.83	19.84				
1.4	QPSK	1	5	19.77	19.83	19.74				
1.4	QPSK	3	0	19.74	19.55	19.75				
1.4	QPSK	3	1	19.81	19.64	19.65				
1.4	QPSK	3	3	19.71	19.80	19.76				
1.4	QPSK	6	0	19.85	19.70	19.71				
1.4	16QAM	1	0	19.84	19.75	19.72				
1.4	16QAM	1	3	19.85	19.65	19.66				
1.4	16QAM	1	5	19.76	19.72	19.79				
1.4	16QAM	3	0	19.77	19.68	19.68				
1.4	16QAM	3	1	19.79	19.66	19.69				
1.4	16QAM	3	3	19.71	19.69	19.71				
1.4	16QAM	6	0	19.70	19.63	19.69				
1.4	16QAM	6	0	19.82	19.74	19.69				
1.4	64QAM	1	0	19.87	19.70	19.71				
1.4	64QAM	1	3	19.85	19.65	19.66				
1.4	64QAM	3	0	19.76	19.72	19.79				
1.4	64QAM	3	1	19.81	19.81	19.74				
1.4	64QAM	3	3	19.73	19.73	19.73				
1.4	64QAM	6	0	19.65	19.67	19.68				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.17	18.26	18.23	19.3	0		
20	QPSK	1	49	18.26	18.29	18.24				
20	QPSK	1	99	18.26	18.27	18.22				
20	QPSK	50	0	18.24	18.27	18.26				
20	QPSK	50	24	18.12	18.23	18.18				
20	QPSK	50	50	18.21	18.25	18.23				
20	QPSK	100	0	18.18	18.26	18.22				
20	16QAM	1	0	18.22	18.23	18.27				
20	16QAM	1	49	18.19	18.22	18.20				
20	16QAM	1	99	18.21	18.28	18.28				
20	16QAM	50	0	18.26	18.26	18.26				
20	16QAM	50	24	18.18	18.27	18.22				
20	16QAM	50	50	18.20	18.25	18.22				
20	16QAM	100	0	18.22	18.27	18.22				
20	64QAM	1	0	18.12	18.27	18.25				
20	64QAM	1	49	18.18	18.26	18.19				
20	64QAM	1	99	18.25	18.28	18.27				
20	64QAM	50	0	18.21	18.25					



Band 38_Ant 3										
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				37650	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.23	18.17	18.22				
20	QPSK	1	49	18.29	18.29	18.27	19.4	0		
20	QPSK	1	99	18.17	18.23	18.12				
20	QPSK	50	0	18.17	18.19	18.15				
20	QPSK	50	24	18.20	18.24	18.23	19.4	0		
20	QPSK	50	50	18.19	18.16	18.22				
20	QPSK	100	0	18.20	18.21	18.14				
20	16QAM	1	0	18.16	18.18	18.17				
20	16QAM	1	49	18.19	18.17	18.12	19.4	0		
20	16QAM	1	99	18.15	18.17	18.17				
20	16QAM	50	0	18.17	18.19	18.15				
20	16QAM	50	24	18.19	18.15	18.18	19.4	0		
20	16QAM	50	50	18.22	18.19	18.17				
20	16QAM	100	0	18.16	18.20	18.13				
20	64QAM	1	0	18.17	18.16	18.22				
20	64QAM	1	49	18.14	18.15	18.15	19.4	0		
20	64QAM	1	99	18.23	18.23	18.12				
20	64QAM	50	0	18.18	18.14	18.16				
20	64QAM	50	24	18.16	18.17	18.17				
20	64QAM	50	50	18.19	18.15	18.20	19.4	0		
20	64QAM	100	0	18.19	18.20	18.13				
Channel				37625	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	18.10	18.09	18.14				
15	QPSK	1	37	18.19	18.21	18.12	19.4	0		
15	QPSK	1	74	18.09	18.12	18.05				
15	QPSK	36	0	18.09	18.04	18.02				
15	QPSK	36	20	18.09	18.13	18.12	19.4	0		
15	QPSK	36	39	18.05	18.05	18.07				
15	QPSK	75	0	18.12	18.08	18.00				
15	16QAM	1	0	18.08	18.08	18.10				
15	16QAM	1	37	18.04	18.04	17.97	19.4	0		
15	16QAM	1	74	18.03	18.07	18.07				
15	16QAM	36	0	18.04	18.08	18.02				
15	16QAM	36	20	18.09	18.02	18.10	19.4	0		
15	16QAM	36	39	18.11	18.08	18.11				
15	16QAM	75	0	18.01	18.09	18.00				
15	64QAM	1	0	18.11	18.09	18.15				
15	64QAM	1	37	18.07	18.08	18.04	19.4	0		
15	64QAM	1	74	18.14	18.12	17.98				
15	64QAM	36	0	18.03	18.01	18.03				
15	64QAM	36	20	18.01	18.05	18.04				
15	64QAM	36	39	18.05	18.02	18.05	19.4	0		
15	64QAM	75	0	18.08	18.13	17.99				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	18.12	18.03	18.17				
10	QPSK	1	25	18.16	18.21	18.15	19.4	0		
10	QPSK	1	49	18.07	18.08	17.97				
10	QPSK	25	0	18.06	18.10	18.08				
10	QPSK	25	12	18.14	18.12	18.11	19.4	0		
10	QPSK	25	25	18.14	18.04	18.09				
10	QPSK	50	0	18.05	18.12	18.08				
10	16QAM	1	0	18.15	18.05	18.09				
10	16QAM	1	25	18.11	18.12	18.03	19.4	0		
10	16QAM	1	49	18.05	18.12	18.07				
10	16QAM	25	0	18.11	18.04	18.05				
10	16QAM	25	12	18.05	18.09	18.03	19.4	0		
10	16QAM	25	25	18.13	18.13	18.10				
10	16QAM	50	0	18.06	18.13	17.99				
10	64QAM	1	0	18.12	18.09	18.12				
10	64QAM	1	25	18.01	18.08	18.10	19.4	0		
10	64QAM	1	49	18.17	18.10	18.00				
10	64QAM	25	0	18.07	17.99	18.01				
10	64QAM	25	12	18.02	18.12	18.09	19.4	0		
10	64QAM	25	25	18.13	18.04	18.10				
10	64QAM	50	0	18.11	18.08	18.02				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	18.12	18.09	18.11				
5	QPSK	1	12	18.23	18.24	18.13	19.4	0		
5	QPSK	1	24	18.08	18.15	18.00				
5	QPSK	12	0	18.08	18.12	18.06				
5	QPSK	12	7	18.07	18.10	18.10	19.4	0		
5	QPSK	12	13	18.05	18.04	18.12				
5	QPSK	25	0	18.12	18.09	18.01				
5	16QAM	1	0	18.12	18.09	18.04				
5	16QAM	1	12	18.10	18.05	18.04	19.4	0		
5	16QAM	1	24	18.03	18.02	18.06				
5	16QAM	12	0	18.07	18.07	18.00				
5	16QAM	12	7	18.05	18.08	18.08	19.4	0		
5	16QAM	12	13	18.14	18.08	18.03				
5	16QAM	25	0	18.02	18.08	18.08				
5	64QAM	1	0	18.09	18.05	18.13				
5	64QAM	1	12	18.04	18.05	18.09	19.4	0		
5	64QAM	1	24	18.16	18.15	18.02				
5	64QAM	12	0	18.03	18.02	18.02				
5	64QAM	12	7	18.08	18.08	18.02	19.4	0		
5	64QAM	12	13	18.10	18.00	18.07				
5	64QAM	25	0	18.09	18.08	17.98				

Band 38_Ant 0										
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	21.94	21.97	21.91				
20	QPSK	1	49	22.00	22.05	21.96	22.4	0		
20	QPSK	1	99	21.80	21.75	21.75				
20	QPSK	50	0	21.71	21.76	21.70				
20	QPSK	50	24	21.75	21.79	21.78	22.4	0		
20	QPSK	50	50	21.74	21.83	21.72				
20	QPSK	100	0	21.75	21.84	21.73				
20	16QAM	1	0	21.73	21.76	21.77				
20	16QAM	1	49	21.78	21.82	21.70	22.4	0		
20	16QAM	1	99	21.80	21.77	21.71				
20	16QAM	50	0	21.70	21.85	21.71				
20	16QAM	50	24	21.74	21.83	21.71	22.4	0		
20	16QAM	50	50	21.80	21.80	21.78				
20	16QAM	100	0	21.79	21.75	21.76				
20	64QAM	1	0	21.73	21.82	21.74				
20	64QAM	1	49	21.73	21.83	21.77	22.4	0		
20	64QAM	1	99	21.75	21.81	21.71				
20	64QAM	50	0	20.78	20.75	20.71				
20	64QAM	50	24	20.73	20.83	20.74	21.4	1		
20	64QAM	50	50	20.75	20.78	20.78				
20	64QAM	100	0	20.79	20.85	20.80				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.81	21.86	21.81				
15	QPSK	1	37	21.86	21.93	21.84	22.4	0		
15	QPSK	1	74	21.73	21.62	21.63				
15	QPSK	36	0	21.58	21.61	21.70				
15	QPSK	36	20	21.74	21.73	21.66	22.4	0		
15	QPSK	36	39	21.66	21.63	21.57				
15	QPSK	75	0	21.62	21.71	21.68				
15	16QAM	1	0	21.68	21.67	21.67				
15	16QAM	1	37	21.66	21.70	21.61	22.4	0		
15	16QAM	1	74	21.65	21.64	21.58				
15	16QAM	36	0	21.56	21.73	21.61				
15	16QAM	36	20	21.69	21.73	21.65	22.4	0		
15	16QAM	36	39	21.71	21.75					



Band 41_Ant 3										
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	16.79	16.42	16.94	16.78	16.77	17.8	0
20	QPSK	1	49	16.92	16.54	17.07	16.87	16.98		
20	QPSK	1	99	16.85	16.35	16.91	16.86	16.75	17.8	0
20	QPSK	50	0	16.81	16.36	16.91	16.84	16.79		
20	QPSK	50	24	16.87	16.37	16.96	16.87	16.84	17.8	0
20	QPSK	50	50	16.86	16.36	16.93	16.86	16.81		
20	QPSK	100	0	16.86	16.35	16.92	16.82	16.84	17.8	0
20	16QAM	1	0	16.83	16.41	16.80	16.91	16.78		
20	16QAM	1	49	16.85	16.39	16.81	16.94	16.76	17.8	0
20	16QAM	1	99	16.84	16.38	16.84	16.96	16.73		
20	16QAM	50	0	16.85	16.39	16.78	16.91	16.84	17.8	0
20	16QAM	50	24	16.80	16.42	16.78	16.95	16.81		
20	16QAM	50	50	16.82	16.36	16.87	17.03	16.80	17.8	0
20	16QAM	100	0	16.84	16.43	16.85	16.93	16.84		
20	64QAM	1	0	16.87	16.42	16.79	16.98	16.83	17.8	0
20	64QAM	1	49	16.87	16.37	16.79	17.01	16.74		
20	64QAM	1	99	16.79	16.37	16.79	16.93	16.76	17.8	0
20	64QAM	50	0	16.83	16.35	16.83	16.88	16.81		
20	64QAM	50	24	16.86	16.37	16.79	16.99	16.79	17.8	0
20	64QAM	50	50	16.82	16.40	16.86	16.99	16.80		
20	64QAM	100	0	16.85	16.42	16.83	16.98	16.79		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	16.74	16.27	16.66	16.88	16.64	17.8	0
15	QPSK	1	37	16.85	16.40	16.74	16.97	16.83		
15	QPSK	1	74	16.71	16.24	16.74	16.77	16.68	17.8	0
15	QPSK	36	0	16.75	16.27	16.73	16.90	16.77		
15	QPSK	36	20	16.82	16.29	16.80	16.82	16.70	17.8	0
15	QPSK	36	39	16.76	16.23	16.73	16.87	16.70		
15	QPSK	75	0	16.77	16.35	16.75	16.95	16.81	17.8	0
15	16QAM	1	0	16.70	16.32	16.67	16.79	16.67		
15	16QAM	1	37	16.73	16.32	16.73	16.86	16.61	17.8	0
15	16QAM	1	74	16.73	16.30	16.75	16.88	16.60		
15	16QAM	36	0	16.74	16.25	16.65	16.87	16.74	17.8	0
15	16QAM	36	20	16.75	16.29	16.67	16.85	16.70		
15	16QAM	36	39	16.75	16.23	16.82	16.91	16.72	17.8	0
15	16QAM	75	0	16.73	16.35	16.80	16.98	16.74		
15	64QAM	1	0	16.79	16.34	16.74	16.98	16.77	17.8	0
15	64QAM	1	37	16.72	16.23	16.74	16.96	16.62		
15	64QAM	1	74	16.67	16.30	16.68	16.81	16.75	17.8	0
15	64QAM	36	0	16.70	16.28	16.70	16.87	16.71		
15	64QAM	36	20	16.71	16.29	16.68	16.88	16.74	17.8	0
15	64QAM	36	39	16.77	16.26	16.71	16.93	16.72		
15	64QAM	75	0	16.71	16.35	16.72	16.90	16.67		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	16.71	16.33	16.70	16.81	16.71	17.8	0
10	QPSK	1	25	16.84	16.48	16.76	17.00	16.98		
10	QPSK	1	49	16.72	16.24	16.80	16.76	16.65	17.8	0
10	QPSK	25	0	16.67	16.28	16.78	16.86	16.72		
10	QPSK	25	12	16.79	16.30	16.72	16.82	16.83	17.8	0
10	QPSK	25	25	16.76	16.30	16.75	16.80	16.74		
10	QPSK	50	0	16.76	16.30	16.70	16.93	16.80	17.8	0
10	16QAM	1	0	16.69	16.33	16.72	16.91	16.65		
10	16QAM	1	25	16.76	16.32	16.71	16.89	16.68	17.8	0
10	16QAM	1	49	16.76	16.24	16.69	16.88	16.64		
10	16QAM	25	0	16.70	16.30	16.69	16.76	16.69	17.8	0
10	16QAM	25	12	16.68	16.33	16.67	16.82	16.68		
10	16QAM	25	25	16.71	16.30	16.77	16.95	16.68	17.8	0
10	16QAM	50	0	16.71	16.35	16.71	16.92	16.82		
10	64QAM	1	0	16.77	16.27	16.67	16.89	16.71	17.8	0
10	64QAM	1	25	16.79	16.27	16.74	16.94	16.60		
10	64QAM	1	49	16.64	16.31	16.66	16.89	16.71	17.8	0
10	64QAM	25	0	16.70	16.30	16.72	16.75	16.78		
10	64QAM	25	12	16.76	16.27	16.65	16.86	16.66	17.8	0
10	64QAM	25	25	16.76	16.35	16.80	16.89	16.65		
10	64QAM	50	0	16.78	16.33	16.68	16.91	16.71		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2543.8	2593	2640.30	2687.5		
5	QPSK	1	0	16.70	16.35	16.65	16.88	16.77	17.8	0
5	QPSK	1	12	16.87	16.40	16.78	16.94	16.83		
5	QPSK	1	24	16.78	16.29	16.73	16.90	16.60	17.8	0
5	QPSK	12	0	16.73	16.23	16.73	16.87	16.77		
5	QPSK	12	7	16.82	16.28	16.80	16.90	16.76	17.8	0
5	QPSK	12	13	16.73	16.29	16.75	16.91	16.69		
5	QPSK	25	0	16.78	16.35	16.76	16.96	16.73	17.8	0
5	16QAM	1	0	16.68	16.30	16.72	16.81	16.70		
5	16QAM	1	12	16.74	16.29	16.68	16.87	16.72	17.8	0
5	16QAM	1	24	16.74	16.30	16.73	16.94	16.64		
5	16QAM	12	0	16.74	16.27	16.72	16.87	16.81	17.8	0
5	16QAM	12	7	16.88	16.27	16.65	16.81	16.74		
5	16QAM	12	13	16.67	16.24	16.73	17.00	16.67	17.8	0
5	16QAM	25	0	16.77	16.36	16.72	16.83	16.79		
5	64QAM	1	0	16.72	16.29	16.73	16.92	16.70	17.8	0
5	64QAM	1	12	16.80	16.26	16.74	16.98	16.60		
5	64QAM	1	24	16.74	16.28	16.66	16.90	16.62	17.8	0
5	64QAM	12	0	16.69	16.28	16.75	16.75	16.71		
5	64QAM	12	7	16.81	16.28	16.68	16.94	16.68	17.8	0
5	64QAM	12	13	16.68	16.30	16.77	16.96	16.76		
5	64QAM	25	0	16.73	16.27	16.72	16.86	16.77		

Band 41 (HPUE)_Ant 3										
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	19.27	19.85	19.72	19.68	20.8	0
20	QPSK	1	49	19.81	19.41	19.99	19.81	19.84		
20	QPSK	1	99	19.74	19.30	19.80	19.75	19.72	20.8	0
20	QPSK	50	0	19.75	19.23	19.77	19.73	19.71		
20	QPSK	50	24	19.79	19.29	19.87	19.85	19.80	20.8	0
20	QPSK	50	50	19.74	19.23	19.82	19.77	19.69		
20	QPSK	100	0	19.76	19.23	19.81	19.79	19.80	20.8	0
20	16QAM	1	0	19.78	19.29	19.70	19.88	19.75		
20	16QAM	1	49	19.73	19.28	19.70	19.93	19.73	20.8	0
20	16QAM	1	99	19.72	19.26	19.75	19.96	19.71		
20	16QAM	50	0	19.80	19.26	19.63	19.81	19.72	20.8	0
20	16QAM	50	24	19.70	19.36	19.70	19.90	19.75		
20	16QAM	50	50	19.72	19.21	19.78	19.89	19.71	20.8	0
20	16QAM	100	0	19.78	19.33	19.78	19.83	19.71		
20	64QAM	1	0	19.78	19.28	19.64	19.95	19.77	20.8	0
20	64QAM	1	49	19.72	19.25	19.67	19.92	19.65		
20	64QAM	1	99	19.66	19.32	19.71	19.83	19.73	20.8	0
20	64QAM	50	0	19.74	19.25	19.74	19.84	19.79		
20	64QAM	50	24	19.75	19.28	19.66	19.88	19.78	20.8	0
20	64QAM	50	50	19.73	19.34	19.79	19.98	19.73		
20	64QAM	100	0	19.78	19.36	19.68	19			



Band 41_Ant 0														
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	20.38	20.21	20.40	20.38	20.45	20.8	0				
20	QPSK	1	49	20.41	20.28	20.56	20.51	20.48						
20	QPSK	1	99	20.38	20.18	20.42	20.46	20.44						
20	QPSK	50	0	20.40	20.13	20.42	20.38	20.33						
20	QPSK	50	24	20.41	20.18	20.50	20.47	20.45						
20	QPSK	50	50	20.39	20.13	20.49	20.37	20.40	20.8	0				
20	QPSK	100	0	20.35	20.18	20.44	20.40	20.37						
20	16QAM	1	0	20.40	20.23	20.44	20.37	20.35						
20	16QAM	1	49	20.33	20.23	20.40	20.50	20.33						
20	16QAM	1	99	20.40	20.16	20.47	20.51	20.32						
20	16QAM	50	0	20.31	20.22	20.47	20.36	20.33	20.8	0				
20	16QAM	50	24	20.41	20.19	20.47	20.47	20.32						
20	16QAM	50	50	20.40	20.22	20.42	20.45	20.42						
20	16QAM	100	0	20.40	20.15	20.38	20.50	20.45						
20	16QAM	1	0	20.40	20.22	20.38	20.36	20.36						
20	64QAM	1	49	20.38	20.20	20.47	20.39	20.38	20.8	0				
20	64QAM	1	99	20.41	20.18	20.41	20.36	20.32						
20	64QAM	50	0	19.37	19.14	19.39	19.38	19.38						
20	64QAM	50	24	19.35	19.13	19.38	19.49	19.34						
20	64QAM	50	50	19.40	19.17	19.39	19.38	19.45						
20	64QAM	100	0	19.32	19.20	19.41	19.41	19.45	19.8	1				
Channel				39725	40173	40620	41058	41515						
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	20.30	20.09	20.29	20.27	20.44			20.8	0		
15	QPSK	1	37	20.31	20.18	20.42	20.58	20.44						
15	QPSK	1	74	20.26	20.06	20.31	20.38	20.41						
15	QPSK	36	0	20.34	20.00	20.25	20.27	20.23						
15	QPSK	36	20	20.32	20.08	20.36	20.41	20.39						
15	QPSK	36	39	20.30	20.01	20.22	20.37	20.34	20.8	0				
15	QPSK	75	0	20.21	20.08	20.31	20.30	20.29						
15	16QAM	1	0	20.32	20.09	20.31	20.25	20.35						
15	16QAM	1	37	20.18	20.17	20.31	20.40	20.19						
15	16QAM	1	74	20.33	20.11	20.33	20.47	20.30						
15	16QAM	36	0	20.23	20.11	20.42	20.29	20.30	20.8	0				
15	16QAM	36	20	20.33	20.06	20.37	20.38	20.32						
15	16QAM	36	39	20.27	20.12	20.35	20.31	20.31						
15	16QAM	75	0	20.32	20.09	20.27	20.44	20.33						
15	16QAM	1	0	20.35	20.09	20.29	20.33	20.31						
15	64QAM	1	37	20.26	20.13	20.35	20.27	20.23	20.8	0				
15	64QAM	1	74	20.31	20.11	20.30	20.28	20.22						
15	64QAM	36	0	19.26	19.05	19.30	19.31	19.24						
15	64QAM	36	20	19.29	19.03	19.33	19.38	19.28						
15	64QAM	36	39	19.35	19.11	19.31	19.29	19.36						
15	64QAM	75	0	19.24	19.13	19.34	19.31	19.43	19.8	1				
Channel				39700	40160	40620	41080	41540						
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	20.24	20.07	20.24	20.35	20.37			20.8	0		
10	QPSK	1	25	20.28	20.15	20.44	20.52	20.38						
10	QPSK	1	49	20.24	20.09	20.32	20.40	20.43						
10	QPSK	25	0	20.31	20.03	20.28	20.35	20.29						
10	QPSK	25	12	20.35	20.10	20.36	20.46	20.33						
10	QPSK	25	25	20.32	20.05	20.24	20.42	20.26	20.8	0				
10	QPSK	50	0	20.29	20.09	20.33	20.39	20.26						
10	16QAM	1	0	20.25	20.11	20.36	20.36	20.23						
10	16QAM	1	25	20.24	20.13	20.27	20.49	20.21						
10	16QAM	1	49	20.26	20.09	20.38	20.36	20.28						
10	16QAM	25	0	20.21	20.16	20.38	20.33	20.21	20.8	0				
10	16QAM	25	12	20.35	20.14	20.34	20.46	20.25						
10	16QAM	25	25	20.33	20.16	20.27	20.37	20.31						
10	16QAM	50	0	20.29	20.10	20.25	20.48	20.42						
10	16QAM	1	0	20.29	20.08	20.31	20.21	20.26						
10	64QAM	1	25	20.32	20.05	20.42	20.38	20.34	20.8	0				
10	64QAM	1	49	20.35	20.09	20.26	20.35	20.26						
10	64QAM	25	0	19.23	19.03	19.32	19.29	19.32						
10	64QAM	25	12	19.23	19.01	19.23	19.39	19.34						
10	64QAM	25	25	19.34	19.09	19.28	19.24	19.36						
10	64QAM	50	0	19.27	19.08	19.36	19.28	19.31	19.8	1				
Channel				39675	40148	40620	41093	41565						
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5						
5	QPSK	1	0	20.26	20.08	20.29	20.25	20.36			20.8	0		
5	QPSK	1	12	20.32	20.23	20.36	20.50	20.33						
5	QPSK	1	24	20.24	20.09	20.32	20.30	20.40						
5	QPSK	12	0	20.29	19.99	20.32	20.38	20.28						
5	QPSK	12	7	20.33	20.13	20.38	20.43	20.42						
5	QPSK	12	13	20.24	20.05	20.32	20.48	20.33	20.8	0				
5	QPSK	25	0	20.30	20.12	20.33	20.31	20.25						
5	16QAM	1	0	20.30	20.12	20.38	20.23	20.20						
5	16QAM	1	12	20.28	20.16	20.30	20.35	20.25						
5	16QAM	1	24	20.34	20.05	20.41	20.43	20.16						
5	16QAM	12	0	20.19	20.11	20.34	20.36	20.32	20.8	0				
5	16QAM	12	7	20.30	20.11	20.38	20.47	20.20						
5	16QAM	12	13	20.26	20.14	20.37	20.39	20.34						
5	16QAM	25	0	20.34	20.05	20.28	20.36	20.39						
5	64QAM	1	0	20.35	20.14	20.25	20.32	20.34						
5	64QAM	1	12	20.30	20.14	20.39	20.33	20.31	20.8	0				
5	64QAM	1	24	20.31	20.03	20.30	20.28	20.29						
5	64QAM	12	0	19.24	19.02	19.34	19.34	19.29						
5	64QAM	12	7	19.20	19.03	19.23	19.34	19.24						
5	64QAM	12	13	19.34	19.05	19.33	19.31	19.37						
5	64QAM	25	0	19.21	19.10	19.28	19.27	19.38	19.8	1				

Band 41 (HPUE)_Ant 0														
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	23.29	23.12	23.63	23.47	23.40	23.8	0				
20	QPSK	1	49	23.40	23.26	23.71	23.61	23.57						
20	QPSK	1	99	23.26	23.18	23.67	23.59	23.44						
20	QPSK	50	0	23.15	23.11	23.57	23.40	23.27						
20	QPSK	50	24	23.30	23.19	23.62	23.50	23.44						
20	QPSK	50	50	23.16	23.08	23.61	23.48	23.35	23.8	0				
20	QPSK	100	0	23.29	23.11	23.52	23.44	23.31						
20	16QAM	1	0	23.24	23.03	23.49	23.41	23.34						
20	16QAM	1	49	23.34	23.11	23.56	23.57	23.57						
20	16QAM	1	99	23.16	23.10	23.61	23.53	23.34						
20	16QAM	50	0	23.07	23.05	23.49	23.38	23.20	23.8	0				
20	16QAM	50	24	23.23	23.12	23.54	23.35	23.41						
20	16QAM	50	50	23.10	23.00	23.54	23.46	23.31						
20	16QAM	100	0	23.18	22.99	23.47	23.41	23.31						
20	64QAM	1	0	23.14	23.03	23.57	23.45	23.25						
20	64QAM	1	49	23.34	23.20	23.60	23.46	23.46	23.8	0				
20	64QAM	1	99	23.24	23.04	23.62	23.54	23.43						
20	64QAM	50	0	22.53	22.33	22.55	22.69	22.50						
20	64QAM	50	24	22.58	22.43	22.90	22.62	22.46						
20	64QAM	50	50	22.48	22.40	22.62	22.71	22.53						
20	64QAM	100	0	22.47	22.42	22.61	22.69	22.48	22.8	1				
Channel				39725	40173	40620	41068	41515						
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	23										



Band 41_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.82	17.47	18.00	17.80	17.85	18.8	0
20	QPSK	1	49	17.91	17.56	18.14	17.71	17.88		
20	QPSK	1	99	17.82	17.49	18.05	17.85	17.82	18.8	0
20	QPSK	50	0	17.85	17.51	18.10	17.80	17.78		
20	QPSK	50	24	17.87	17.52	18.11	17.68	17.67	18.8	0
20	QPSK	50	50	17.86	17.45	18.03	17.67	17.86		
20	QPSK	100	0	17.81	17.50	18.08	17.65	17.73	18.8	0
20	16QAM	1	0	17.88	17.48	17.66	18.10	17.73		
20	16QAM	1	49	17.84	17.48	17.59	18.13	17.83	18.8	0
20	16QAM	1	99	17.80	17.53	17.66	18.06	17.86		
20	16QAM	50	0	17.82	17.48	17.65	18.11	17.71	18.8	0
20	16QAM	50	24	17.79	17.47	17.68	18.13	17.75		
20	16QAM	50	50	17.80	17.49	17.64	18.09	17.76	18.8	0
20	16QAM	100	0	17.81	17.53	17.65	18.07	17.80		
20	64QAM	1	0	17.80	17.44	17.65	18.13	17.82	18.8	0
20	64QAM	1	49	17.75	17.52	17.66	18.07	17.81		
20	64QAM	1	99	17.84	17.47	17.59	18.10	17.76	18.8	0
20	64QAM	50	0	17.82	17.48	17.62	18.05	17.76		
20	64QAM	50	24	17.79	17.50	17.64	18.03	17.82	18.8	0
20	64QAM	50	50	17.85	17.50	17.61	18.08	17.77		
20	64QAM	100	0	17.84	17.50	17.58	18.12	17.81		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.74	17.35	17.50	17.95	17.73	18.8	0
15	QPSK	1	37	17.82	17.53	17.62	18.03	17.80		
15	QPSK	1	74	17.70	17.35	17.52	17.95	17.71	18.8	0
15	QPSK	36	0	17.73	17.44	17.51	18.10	17.71		
15	QPSK	36	20	17.81	17.42	17.56	18.05	17.78	18.8	0
15	QPSK	36	39	17.71	17.37	17.59	18.02	17.84		
15	QPSK	75	0	17.66	17.40	17.54	18.12	17.72	18.8	0
15	16QAM	1	0	17.74	17.38	17.56	18.09	17.65		
15	16QAM	1	37	17.76	17.42	17.50	18.06	17.71	18.8	0
15	16QAM	1	74	17.67	17.46	17.53	18.00	17.76		
15	16QAM	36	0	17.70	17.43	17.58	18.10	17.66	18.8	0
15	16QAM	36	20	17.66	17.36	17.58	18.02	17.68		
15	16QAM	36	39	17.72	17.40	17.51	18.00	17.61	18.8	0
15	16QAM	75	0	17.74	17.41	17.57	17.94	17.76		
15	64QAM	1	0	17.69	17.36	17.53	18.11	17.76	18.8	0
15	64QAM	1	37	17.63	17.41	17.52	17.97	17.71		
15	64QAM	1	74	17.73	17.42	17.46	17.95	17.67	18.8	0
15	64QAM	36	0	17.73	17.34	17.54	17.99	17.74		
15	64QAM	36	20	17.71	17.43	17.53	18.00	17.79	18.8	0
15	64QAM	36	39	17.72	17.41	17.49	17.97	17.65		
15	64QAM	75	0	17.75	17.39	17.53	17.99	17.67		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.75	17.34	17.45	17.89	17.76	18.8	0
10	QPSK	1	25	17.79	17.43	17.59	18.12	17.80		
10	QPSK	1	49	17.72	17.35	17.59	17.80	17.80	18.8	0
10	QPSK	25	0	17.72	17.41	17.46	18.02	17.66		
10	QPSK	25	12	17.72	17.43	17.58	17.97	17.79	18.8	0
10	QPSK	25	25	17.77	17.40	17.59	17.97	17.80		
10	QPSK	50	0	17.76	17.39	17.55	18.11	17.72	18.8	0
10	16QAM	1	0	17.78	17.36	17.56	18.06	17.69		
10	16QAM	1	25	17.76	17.37	17.46	18.06	17.71	18.8	0
10	16QAM	1	49	17.71	17.47	17.51	17.95	17.75		
10	16QAM	25	0	17.72	17.35	17.59	18.02	17.58	18.8	0
10	16QAM	25	12	17.72	17.39	17.58	17.99	17.71		
10	16QAM	25	25	17.65	17.42	17.50	18.01	17.66	18.8	0
10	16QAM	50	0	17.60	17.46	17.58	18.01	17.71		
10	64QAM	1	0	17.66	17.39	17.51	18.00	17.76	18.8	0
10	64QAM	1	25	17.68	17.40	17.54	18.00	17.80		
10	64QAM	1	49	17.69	17.42	17.49	18.10	17.67	18.8	0
10	64QAM	25	0	17.68	17.38	17.57	17.97	17.65		
10	64QAM	25	12	17.73	17.44	17.50	17.93	17.70	18.8	0
10	64QAM	25	25	17.76	17.41	17.53	17.94	17.63		
10	64QAM	50	0	17.79	17.43	17.45	18.00	17.74		
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	17.77	17.34	17.46	17.85	17.77	18.8	0
5	QPSK	1	12	17.77	17.49	17.66	18.06	17.80		
5	QPSK	1	24	17.68	17.43	17.57	17.91	17.81	18.8	0
5	QPSK	12	0	17.75	17.36	17.47	17.97	17.64		
5	QPSK	12	7	17.72	17.41	17.62	18.02	17.73	18.8	0
5	QPSK	12	13	17.78	17.32	17.53	17.98	17.82		
5	QPSK	25	0	17.75	17.35	17.51	18.08	17.68	18.8	0
5	16QAM	1	0	17.76	17.37	17.52	17.98	17.66		
5	16QAM	1	12	17.79	17.39	17.53	18.04	17.78	18.8	0
5	16QAM	1	24	17.71	17.40	17.57	17.96	17.65		
5	16QAM	12	0	17.67	17.43	17.60	18.03	17.56	18.8	0
5	16QAM	12	7	17.72	17.42	17.53	18.04	17.65		
5	16QAM	12	13	17.60	17.35	17.55	18.07	17.71	18.8	0
5	16QAM	25	0	17.76	17.43	17.51	17.99	17.76		
5	64QAM	1	0	17.70	17.31	17.60	18.06	17.75	18.8	0
5	64QAM	1	12	17.65	17.41	17.56	17.94	17.66		
5	64QAM	1	24	17.70	17.33	17.47	17.96	17.63	18.8	0
5	64QAM	12	0	17.72	17.35	17.50	17.96	17.76		
5	64QAM	12	7	17.72	17.36	17.58	17.99	17.67	18.8	0
5	64QAM	12	13	17.73	17.38	17.54	17.97	17.63		
5	64QAM	25	0	17.78	17.40	17.50	18.02	17.76		

Band 41 (HPUE)_Ant 4										
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	40195	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.51	20.23	20.49	20.38	20.38	21.8	0
20	QPSK	1	49	20.64	20.32	20.72	20.47	20.55		
20	QPSK	1	99	20.50	20.19	20.63	20.39	20.54	21.8	0
20	QPSK	50	0	20.44	20.13	20.36	20.26	20.32		
20	QPSK	50	24	20.50	20.17	20.60	20.43	20.52	21.8	0
20	QPSK	50	50	20.43	20.11	20.59	20.31	20.41		
20	QPSK	100	0	20.42	20.15	20.49	20.29	20.39	21.8	0
20	16QAM	1	0	20.40	20.10	20.42	20.31	20.38		
20	16QAM	1	49	20.52	20.24	20.65	20.35	20.54	21.8	0
20	16QAM	1	99	20.35	20.14	20.51	20.33	20.54		
20	16QAM	50	0	20.37	19.99	20.30	20.16	20.28	21.8	0
20	16QAM	50	24	20.42	20.04	20.55	20.33	20.37		
20	16QAM	50	50	20.29	20.02	20.53	20.28	20.35	21.8	0
20	16QAM	100	0	20.37	20.00	20.42	20.20	20.33		
20	64QAM	1	0	20.41	20.15	20.37	20.21	20.27	21.8	0
20	64QAM	1	49	20.53	20.19	20.65	20.47	20.46		
20	64QAM	1	99	20.35	20.12	20.59	20.27	20.42	21.8	0
20	64QAM	50	0	20.30	20.02	20.28	20.23	20.19		
20	64QAM	50	24	20.37	20.05	20.56	20.41	20.38	21.8	0
20	64QAM	50	50	20.37	20.05	20.48	20.25	20.38		
20	64QAM	100	0							



Reduced Power for DSI 6

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	30.85	30.90	30.86	31.60	21.85	21.90	21.86	22.50
GPRS 1 Tx slots	30.86	30.92	30.87	31.50	21.86	21.92	21.87	22.50
GPRS 2 Tx slots	27.88	27.92	27.90	29.00	21.88	21.92	21.90	23.00
GPRS 3 Tx slots	25.92	25.99	25.93	27.00	21.86	21.73	21.87	22.74
GPRS 4 Tx slots	24.89	24.93	24.87	26.00	21.89	21.93	21.87	23.00
EDGE(GMSK) 1 Tx slots	30.86	30.89	30.88	31.50	21.86	21.89	21.87	22.50
EDGE(GMSK) 2 Tx slots	27.86	27.92	27.86	29.00	21.86	21.92	21.86	23.00
EDGE(GMSK) 3 Tx slots	25.93	25.98	25.96	27.00	21.87	21.72	21.70	22.74
EDGE(GMSK) 4 Tx slots	24.85	24.90	24.84	26.00	21.85	21.90	21.84	23.00
EDGE(BPSK) 1 Tx slots	24.91	24.87	24.93	26.00	15.81	15.87	15.83	16.00
EDGE(BPSK) 2 Tx slots	21.94	21.98	21.93	23.00	15.84	15.88	15.93	17.00
EDGE(BPSK) 3 Tx slots	20.20	20.22	20.20	21.50	15.94	15.98	15.94	17.24
EDGE(BPSK) 4 Tx slots	18.49	18.55	18.49	19.80	15.49	15.55	15.49	16.50

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	32.03	32.09	32.12	33.00	23.03	23.09	23.12	24.00
GPRS 1 Tx slot	32.12	32.15	32.20	33.00	23.12	23.15	23.20	24.00
GPRS 2 Tx slots	29.38	29.34	29.35	30.50	23.38	23.34	23.35	24.50
GPRS 3 Tx slots	27.34	27.27	27.33	28.50	23.08	23.01	23.07	24.24
GPRS 4 Tx slots	26.30	26.31	26.25	27.50	23.30	23.31	23.25	24.50
EDGE(GMSK) 1 Tx slot	31.96	32.09	31.98	33.00	22.96	23.09	22.98	24.00
EDGE(GMSK) 2 Tx slots	29.16	29.31	29.22	30.50	23.16	23.31	23.22	24.50
EDGE(GMSK) 3 Tx slots	27.16	27.22	27.16	28.50	22.90	22.96	22.90	24.24
EDGE(GMSK) 4 Tx slots	26.20	26.22	26.16	27.50	23.20	23.22	23.16	24.50
EDGE(BPSK) 1 Tx slot	25.94	25.98	26.09	27.00	16.94	16.98	17.09	18.00
EDGE(BPSK) 2 Tx slots	23.05	23.07	23.04	24.00	17.05	17.07	17.04	18.00
EDGE(BPSK) 3 Tx slots	21.38	21.37	21.37	22.50	17.12	17.11	17.11	18.24
EDGE(BPSK) 4 Tx slots	19.73	19.73	19.78	21.00	16.73	16.73	16.78	18.00

Band	WCDMA V_Ant 3			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	
Rx Channel	9662	9800	9938	9662	9800	9938	9662	9800	
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
3GPP Rel 99	AMR 12.2Kbps	16.10	16.30	16.30	16.90	22.97	23.02	22.95	23.90
3GPP Rel 99	AMR 12.2Kbps	16.18	16.38	16.32	16.90	22.90	23.04	22.96	23.90
3GPP Rel 6	HSDPA Subtest-1	14.92	15.24	15.11	15.90	21.71	22.03	22.01	22.90
3GPP Rel 6	HSDPA Subtest-2	14.92	15.20	15.07	15.90	21.70	21.97	21.98	22.90
3GPP Rel 6	HSDPA Subtest-3	14.48	14.78	14.63	15.40	21.27	21.50	21.51	22.40
3GPP Rel 6	HSDPA Subtest-4	14.42	14.71	14.61	15.40	21.21	21.48	21.48	22.40
3GPP Rel 6	DC-HSDPA Subtest-1	14.83	15.04	14.98	15.90	21.66	21.89	22.00	22.90
3GPP Rel 6	DC-HSDPA Subtest-2	14.90	15.02	14.97	15.90	21.71	21.86	21.86	22.90
3GPP Rel 6	DC-HSDPA Subtest-3	14.28	14.57	14.42	15.40	21.25	21.47	21.37	22.40
3GPP Rel 6	DC-HSDPA Subtest-4	14.34	14.50	14.59	15.40	21.13	21.39	21.44	22.40
3GPP Rel 6	HSUPA Subtest-1	13.10	13.31	13.22	14.00	20.12	20.17	20.12	21.00
3GPP Rel 6	HSUPA Subtest-2	13.09	13.34	13.19	13.80	19.72	19.98	20.00	20.80
3GPP Rel 6	HSUPA Subtest-3	14.04	14.21	14.17	14.90	20.76	21.04	21.02	21.90
3GPP Rel 6	HSUPA Subtest-4	13.61	13.87	13.76	13.40	19.30	19.54	19.56	20.40
3GPP Rel 6	HSUPA Subtest-5	14.10	14.09	14.17	14.80	20.70	21.00	21.00	21.90
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	12.47	12.69	12.70	13.50	19.59	19.88	19.88	20.50

Band	WCDMA V_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	4132	4162	4233		4132	4162	4233		
TX Channel	4132	4162	4233	4132	4162	4233	4132	4162	
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407	
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4	
3GPP Rel 99	AMR 12.2Kbps	16.43	16.62	16.48	16.90	22.89	22.92	22.91	24.40
3GPP Rel 99	AMR 12.2Kbps	16.57	16.84	16.54	16.90	22.91	22.93	22.92	24.40
3GPP Rel 6	HSDPA Subtest-1	17.57	17.68	17.54	17.90	21.98	21.90	21.96	23.40
3GPP Rel 6	HSDPA Subtest-2	17.50	17.54	17.56	17.90	21.88	21.85	21.88	23.40
3GPP Rel 6	HSDPA Subtest-3	17.12	17.04	17.07	17.40	21.40	21.39	21.41	22.90
3GPP Rel 6	HSDPA Subtest-4	17.08	17.02	17.09	17.40	21.37	21.35	21.39	22.90
3GPP Rel 6	DC-HSDPA Subtest-1	17.46	17.54	17.44	17.80	21.81	21.88	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-2	17.43	17.36	17.46	17.90	21.82	21.80	21.79	23.40
3GPP Rel 6	DC-HSDPA Subtest-3	17.08	17.05	16.99	17.40	21.29	21.35	21.34	22.90
3GPP Rel 6	DC-HSDPA Subtest-4	16.92	16.97	16.96	17.40	21.33	21.22	21.27	22.90
3GPP Rel 6	HSUPA Subtest-1	15.51	15.47	15.49	15.80	19.84	19.84	19.86	21.30
3GPP Rel 6	HSUPA Subtest-2	15.55	15.49	15.67	15.80	19.83	19.82	19.86	21.30
3GPP Rel 6	HSUPA Subtest-3	15.62	15.61	15.56	16.90	20.85	20.89	20.87	22.40
3GPP Rel 6	HSUPA Subtest-4	15.05	15.07	15.05	15.30	19.25	19.27	19.25	20.80
3GPP Rel 6	HSUPA Subtest-5	16.50	16.49	16.59	16.80	20.90	20.80	20.90	22.30
3GPP Rel 7	HSPA+ (HQAM) Subtest-1	14.97	14.90	15.03	15.40	19.52	19.51	19.51	20.90

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	25.94	26.12	26.11	26.20	16.94	17.12	17.11	17.20
GPRS 1 Tx slot	25.99	26.14	26.15	26.20	16.99	17.14	17.15	17.20
GPRS 2 Tx slots	22.44	22.63	22.61	23.70	16.44	16.63	16.61	17.70
GPRS 3 Tx slots	21.01	21.17	21.18	21.50	16.75	16.91	16.92	17.24
GPRS 4 Tx slots	20.51	20.66	20.62	20.80	17.51	17.66	17.62	17.80
EDGE(GMSK) 1 Tx slot	25.83	26.01	26.01	26.20	16.83	17.01	17.01	17.20
EDGE(GMSK) 2 Tx slots	22.29	22.49	22.48	23.70	16.29	16.49	16.48	17.70
EDGE(GMSK) 3 Tx slots	20.86	21.04	21.05	21.50	16.80	16.78	16.79	17.24
EDGE(GMSK) 4 Tx slots	20.41	20.59	20.59	20.80	17.41	17.59	17.59	17.80
EDGE(BPSK) 1 Tx slot	22.17	22.32	22.32	23.80	13.17	13.32	13.32	14.00
EDGE(BPSK) 2 Tx slots	18.79	18.97	18.97	19.80	12.79	12.97	12.97	13.80
EDGE(BPSK) 3 Tx slots	16.16	16.31	16.32	17.30	11.80	12.05	12.06	13.04
EDGE(BPSK) 4 Tx slots	15.78	15.93	15.93	16.80	11.70	12.93	12.93	13.80

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	26.97	26.85	26.68	30.20	19.97	19.85	19.68	21.20
GPRS 1 Tx slot	26.96	26.87	26.89	30.20	19.96	19.87	19.89	21.20
GPRS 2 Tx slots	26.46	26.41	26.33	27.70	20.46	20.41	20.33	21.70
GPRS 3 Tx slots	24.11	24.05	23.93	25.60	19.85	19.79	19.67	21.24
GPRS 4 Tx slots	23.26	23.29	23.18	24.80	20.26	20.29	20.18	21.80
EDGE(GMSK) 1 Tx slot	26.79	26.81	26.74	30.20	19.79	19.81	19.74	21.20
EDGE(GMSK) 2 Tx slots	26.41	26.44	26.30	27.70	20.41	20.44	20.30	21.70
EDGE(GMSK) 3 Tx slots	24.20	24.28	24.14	25.50	19.94	20.02	19.88	21.24
EDGE(GMSK) 4 Tx slots	23.39	23.41	23.30	24.80	20.39	20.41	20.30	21.80
EDGE(BPSK) 1 Tx slot	25.73	25.81	25.79	27.00	16.73	16.81	16.79	18.00
EDGE(BPSK) 2 Tx slots	22.50	22.63	22.54	23.80	16.50	16.63	16.54	17.80
EDGE(BPSK) 3 Tx slots	20.04	20.13	20.03	21.30	15.78	15.87	15.77	17.04
EDGE(BPSK) 4 Tx slots	19.52	19.54	19.52	20.80	16.52	16.54	16.52	17.80

Band	WCDMA IV_Ant 3			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)
	1312	1413	1513		1312	1413	1513	
TX Channel	1312							



Band 2_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				18700	18900	19100					
20	QPSK	1	0	16.04	16.11	16.17	16.8	0			
20	QPSK	1	49	16.16	16.24	16.18					
20	QPSK	1	99	15.99	16.13	16.13					
20	QPSK	50	0	16.07	16.21	16.12					
20	QPSK	50	24	15.97	16.23	16.22					
20	QPSK	50	50	16.10	16.05	16.20					
20	QPSK	100	0	16.07	16.23	16.14					
20	16QAM	1	0	16.12	16.05	16.05					
20	16QAM	1	49	16.09	16.16	16.17					
20	16QAM	1	99	16.11	16.10	16.13					
20	16QAM	50	0	16.08	16.16	16.12					
20	16QAM	50	24	16.09	16.20	16.03					
20	16QAM	50	50	16.12	16.17	16.00					
20	16QAM	100	0	16.17	16.21	16.03					
20	64QAM	1	0	16.05	16.02	16.16					
20	64QAM	1	49	16.10	16.13	16.04					
20	64QAM	1	99	16.01	16.18	16.04					
20	64QAM	50	0	16.06	16.03	16.18					
20	64QAM	50	24	16.13	16.05	16.02					
20	64QAM	50	50	16.09	16.08	16.07					
20	64QAM	100	0	16.04	16.13	16.08					
Channel											
Frequency (MHz)				18975	18900	19125					
15	QPSK	1	0	15.90	15.98	16.07	16.8	0			
15	QPSK	1	37	16.12	16.20	16.14					
15	QPSK	1	74	15.89	16.02	16.10					
15	QPSK	36	0	16.08	16.19	16.03					
15	QPSK	36	20	16.01	16.09	16.10					
15	QPSK	36	39	15.99	16.01	16.08					
15	QPSK	75	0	16.09	16.15	16.03					
15	16QAM	1	0	16.09	15.90	15.97					
15	16QAM	1	74	15.98	16.02	16.03					
15	16QAM	1	74	15.98	16.02	16.07					
15	16QAM	36	0	16.03	16.09	16.00					
15	16QAM	36	20	16.07	16.15	15.97					
15	16QAM	36	39	15.97	16.09	16.04					
15	16QAM	75	0	16.05	16.16	15.95					
15	64QAM	1	0	15.97	15.87	16.01					
15	64QAM	1	37	16.08	16.06	15.97					
15	64QAM	1	74	16.03	16.06	15.98					
15	64QAM	36	0	16.03	16.01	16.08					
15	64QAM	36	20	16.12	15.92	15.89					
15	64QAM	36	39	16.04	15.93	15.99					
15	64QAM	75	0	15.96	16.01	15.95					
Channel											
Frequency (MHz)				18850	18900	19150					
10	QPSK	1	0	15.92	16.03	16.16	16.8	0			
10	QPSK	1	25	16.09	16.16	16.12					
10	QPSK	1	49	15.97	16.00	16.00					
10	QPSK	25	0	15.98	16.18	16.04					
10	QPSK	25	25	15.97	16.13	16.12					
10	QPSK	25	25	15.99	16.01	16.12					
10	QPSK	50	0	16.06	16.19	16.05					
10	16QAM	1	0	16.08	15.90	15.96					
10	16QAM	1	25	16.00	16.15	16.03					
10	16QAM	1	49	15.97	16.00	16.08					
10	16QAM	25	0	15.93	16.14	15.97					
10	16QAM	25	12	16.07	16.10	15.89					
10	16QAM	25	25	16.11	16.16	15.88					
10	16QAM	50	0	16.16	16.10	15.95					
10	16QAM	1	0	15.95	15.88	16.11					
10	64QAM	1	25	16.02	15.98	16.00					
10	64QAM	1	49	15.98	16.11	15.94					
10	64QAM	25	0	16.04	15.96	16.09					
10	64QAM	25	12	16.01	16.01	15.89					
10	64QAM	25	25	15.94	15.99	16.00					
10	64QAM	50	0	16.01	16.00	16.04					
Channel											
Frequency (MHz)				18925	18900	19175					
5	QPSK	1	0	15.99	16.01	16.15	16.8	0			
5	QPSK	1	12	16.11	16.12	16.10					
5	QPSK	1	24	15.83	16.11	16.01					
5	QPSK	12	0	15.95	16.16	16.07					
5	QPSK	12	7	16.04	16.15	16.17					
5	QPSK	12	13	16.05	15.99	16.11					
5	QPSK	25	0	16.11	16.18	16.01					
5	16QAM	1	0	16.07	16.02	15.97					
5	16QAM	1	12	16.09	16.10	16.02					
5	16QAM	1	24	16.08	15.99	16.02					
5	16QAM	12	0	16.06	16.07	16.08					
5	16QAM	12	7	15.97	16.17	15.89					
5	16QAM	12	13	16.05	16.04	15.95					
5	16QAM	25	0	16.12	16.06	15.88					
5	64QAM	1	0	16.02	15.89	16.07					
5	64QAM	1	12	15.97	15.98	16.09					
5	64QAM	1	24	16.09	16.10	16.02					
5	64QAM	12	0	15.91	15.97	16.09					
5	64QAM	12	7	16.05	15.97	15.98					
5	64QAM	12	13	16.04	16.07	15.95					
5	64QAM	25	0	15.95	15.88	16.09					
Channel											
Frequency (MHz)				18815	18900	19185					
3	QPSK	1	0	16.03	16.06	16.08	16.8	0			
3	QPSK	1	8	16.15	16.18	16.05					
3	QPSK	1	14	15.85	16.10	16.00					
3	QPSK	8	0	16.01	16.07	15.99					
3	QPSK	8	4	16.07	16.10	16.17					
3	QPSK	8	7	16.07	16.00	16.06					
3	QPSK	15	0	16.06	16.20	16.03					
3	16QAM	1	0	16.07	15.93	16.03					
3	16QAM	1	8	16.08	16.08	16.10					
3	16QAM	1	14	16.04	16.05	16.12					
3	16QAM	8	0	15.97	16.04	16.08					
3	16QAM	8	4	16.05	16.19	15.99					
3	16QAM	8	7	16.03	16.13	15.90					
3	16QAM	15	0	16.02	16.15	15.98					
3	64QAM	1	0	15.98	15.98	16.09					
3	64QAM	1	8	16.01	16.00	15.90					
3	64QAM	1	14	15.94	16.12	15.97					
3	64QAM	8	0	16.05	15.96	16.10					
3	64QAM	8	4	16.11	15.97	15.92					
3	64QAM	8	7	16.08	15.98	16.05					
3	64QAM	15	0	15.91	15.96	15.97					
Channel											
Frequency (MHz)				18907	18900	19193					
1.4	QPSK	1	0	15.98	16.07	16.15	16.8	0			
1.4	QPSK	1	3	16.06	16.18	16.12					
1.4	QPSK	1	5	15.84	16.08	15.99					
1.4	QPSK	3	0	16.06	16.06	16.11					
1.4	QPSK	3	1	15.99	16.13	16.07					
1.4	QPSK	3	3	16.09	15.96	16.10					
1.4	QPSK	6	0	16.04	16.16	16.01					
1.4	16QAM	1	0	16.03	15.94	15.93					
1.4	16QAM	1	3	15.97	16.03	16.03					
1.4	16QAM	1	4	16.02	15.99	15.96					
1.4	16QAM	3	0	15.84	16.07	15.97					
1.4	16QAM	3	1	16.06	16.18	15.98					
1.4	16QAM	3	1	16.01	16.04	15.97					
1.4	16QAM	6	0	16.02	16.13	15.90					
1.4	64QAM	1	0	15.97	16.00	16.05					
1.4	64QAM	1	3	16.05	16.07	15.94					
1.4	64QAM	1	5	16.00	16.17	16.02					
1.4	64QAM	3	0	16.05	15.89	16.16					
1.4	64QAM	3	1	16.10	16.01	15.97					
1.4	64QAM	3	3	16.02	16.04	16.04					
1.4	64QAM	6									



Band 4_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2050	2075	2030				
20	QPSK	1	0	22.99	23.10	23.06	24.3	0		
20	QPSK	1	49	23.07	23.20	23.16				
20	QPSK	1	99	23.00	23.04	22.99				
20	QPSK	50	0	22.23	22.26	22.19				
20	QPSK	50	24	22.96	22.97	22.98	23.3	1		
20	QPSK	50	50	22.18	22.24	22.13				
20	QPSK	100	0	22.06	22.08	21.98				
20	16QAM	1	0	22.10	22.23	22.17				
20	16QAM	1	49	22.12	22.25	22.14	23.3	1		
20	16QAM	1	99	22.11	22.23	22.13				
20	16QAM	50	0	21.16	21.24	21.24				
20	16QAM	50	24	21.19	21.21	21.11				
20	16QAM	50	50	21.12	21.14	21.11				
20	16QAM	100	0	21.04	21.08	21.02				
20	64QAM	1	0	21.08	21.13	21.11				
20	64QAM	1	49	21.14	21.19	21.05	22.3	2		
20	64QAM	1	99	21.02	21.12	21.00				
20	64QAM	50	0	20.19	20.24	20.18				
20	64QAM	50	24	20.15	20.27	20.14				
20	64QAM	50	50	20.26	20.28	20.16	21.3	3		
20	64QAM	100	0	20.29	20.23	20.21				
Channel										
Frequency (MHz)				2050	2075	2030				
15	QPSK	1	0	22.96	23.01	23.05	24.3	0		
15	QPSK	1	37	23.03	23.12	23.16				
15	QPSK	1	74	22.87	23.04	22.95				
15	QPSK	36	0	22.20	22.17	22.16				
15	QPSK	36	20	22.17	22.25	22.14	23.3	1		
15	QPSK	36	39	22.15	22.21	22.06				
15	QPSK	75	0	22.04	22.03	21.93				
15	16QAM	1	0	22.10	22.19	22.13	23.3	1		
15	16QAM	1	37	22.13	22.25	22.07				
15	16QAM	1	74	22.00	22.19	22.05				
15	16QAM	36	0	21.13	21.11	21.11				
15	16QAM	36	20	21.13	21.20	21.11	22.3	2		
15	16QAM	36	39	21.10	21.00	21.05				
15	16QAM	75	0	20.95	21.06	20.91				
15	64QAM	1	0	21.01	21.13	21.01				
15	64QAM	1	37	21.13	21.06	20.98	22.3	2		
15	64QAM	1	74	20.97	20.97	20.86				
15	64QAM	36	0	20.08	20.09	20.08				
15	64QAM	36	20	20.10	20.14	20.12				
15	64QAM	36	39	20.21	20.16	20.08	21.3	3		
15	64QAM	75	0	20.11	20.19	20.07				
Channel										
Frequency (MHz)				2000	2075	2030				
10	QPSK	1	0	22.87	23.00	22.93	24.3	0		
10	QPSK	1	25	22.93	23.13	23.10				
10	QPSK	1	49	22.96	22.89	22.87				
10	QPSK	25	0	22.17	22.18	22.07				
10	QPSK	25	25	22.18	22.20	22.08	23.3	1		
10	QPSK	25	25	22.09	22.16	21.99				
10	QPSK	50	0	21.96	21.97	21.83				
10	16QAM	1	0	22.06	22.23	22.14				
10	16QAM	1	25	21.97	22.25	22.05	23.3	1		
10	16QAM	1	49	22.11	22.20	22.08				
10	16QAM	25	0	21.16	21.22	21.24				
10	16QAM	25	12	21.05	21.18	21.29				
10	16QAM	25	25	21.12	21.20	21.08	22.3	2		
10	16QAM	50	0	20.91	20.96	21.02				
10	64QAM	1	0	21.03	21.11	21.03				
10	64QAM	1	25	21.05	21.04	20.97	22.3	2		
10	64QAM	1	49	20.88	21.00	20.93				
10	64QAM	25	0	20.12	20.21	20.10				
10	64QAM	25	12	20.05	20.14	20.05	21.3	3		
10	64QAM	25	25	20.21	20.15	20.06				
10	64QAM	50	0	20.05	20.14	20.08				
Channel										
Frequency (MHz)				1975	2075	2035				
5	QPSK	1	0	22.95	22.93	22.92	24.3	0		
5	QPSK	1	12	23.01	23.08	23.09				
5	QPSK	1	24	22.97	23.01	22.90				
5	QPSK	12	0	22.08	22.13	22.04				
5	QPSK	12	7	22.12	22.12	22.09	23.3	1		
5	QPSK	12	13	22.17	22.13	22.10				
5	QPSK	25	0	21.99	21.93	21.83				
5	16QAM	1	0	22.01	22.13	22.03	23.3	1		
5	16QAM	1	12	22.02	22.20	22.08				
5	16QAM	1	24	22.09	22.20	21.98				
5	16QAM	12	0	21.04	21.16	21.11				
5	16QAM	12	7	21.11	21.12	21.01	22.3	2		
5	16QAM	12	13	21.02	21.01	20.99				
5	16QAM	25	0	20.99	21.02	20.99				
5	64QAM	1	0	21.01	20.99	21.11	22.3	2		
5	64QAM	1	12	21.12	21.14	20.94				
5	64QAM	1	24	21.08	21.07	20.98				
5	64QAM	12	0	20.12	20.24	20.10				
5	64QAM	12	7	20.12	20.27	20.10	21.3	3		
5	64QAM	12	13	20.20	20.22	20.12				
5	64QAM	25	0	20.19	20.19	20.06				
Channel										
Frequency (MHz)				1950	2075	2035				
3	QPSK	1	0	22.89	23.00	22.91	24.3	0		
3	QPSK	1	8	22.97	23.10	23.15				
3	QPSK	1	14	22.95	22.91	22.90				
3	QPSK	8	0	22.22	22.26	22.04				
3	QPSK	8	4	22.13	22.14	22.07	23.3	1		
3	QPSK	8	7	22.16	22.09	22.13				
3	QPSK	15	0	21.98	21.97	21.87				
3	16QAM	1	0	22.05	22.11	22.08	23.3	1		
3	16QAM	1	8	22.10	22.17	22.09				
3	16QAM	1	14	21.98	22.16	22.02				
3	16QAM	8	0	21.16	21.19	21.16				
3	16QAM	8	4	21.08	21.11	21.01	22.3	2		
3	16QAM	8	7	20.97	21.06	21.05				
3	16QAM	15	0	20.98	21.02	20.94				
3	64QAM	1	0	21.05	21.13	20.99	22.3	2		
3	64QAM	1	8	21.07	21.09	20.96				
3	64QAM	1	14	21.02	21.12	20.92				
3	64QAM	8	0	20.12	20.24	20.05				
3	64QAM	8	4	20.10	20.14	20.09	21.3	3		
3	64QAM	8	7	20.25	20.21	20.10				
3	64QAM	15	0	20.16	20.22	20.09				
Channel										
Frequency (MHz)				1950	2075	2035				
1.4	QPSK	1	0	22.88	22.99	23.00	24.3	0		
1.4	QPSK	1	3	23.00	23.08	23.07				
1.4	QPSK	1	5	22.86	22.91	22.91				
1.4	QPSK	3	0	22.78	22.96	22.96				
1.4	QPSK	3	1	22.87	23.02	23.05	23.3	1		
1.4	QPSK	3	3	22.86	22.77	22.88				
1.4	QPSK	6	0	22.06	21.98	21.83				
1.4	16QAM	1	0	22.10	22.08	22.09	23.3	1		
1.4	16QAM	1	3	21.96	22.10	22.04				
1.4	16QAM	1	5	20.99	21.12	22.08				
1.4	16QAM	3	0	21.99	21.99	21.98	23.3	1		
1.4	16QAM	3	1	21.83	22.05	21.89				
1.4	16QAM	3	3	21.99	22.09	21.99				
1.4	16QAM	6	0	20.96	21.02	20.98	22.3	2		
1.4	64QAM	1	0	21.00	21.04	21.07				
1.4	64QAM	1	3	21.01	21.15	21.04				
1.4	64QAM	1	5	20.89	21.07	21.09	22.3	2		
1.4	64QAM	3	0	20.99	21.02	20.97				
1.4	64QAM	3	1	20.99	2					



Band 5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.17	23.20	23.05	24.5	0			
10	QPSK	1	25	23.20	23.26	23.20					
10	QPSK	1	49	23.06	23.17	23.11					
10	QPSK	25	0	22.21	22.36	22.32	23.5	1			
10	QPSK	25	12	22.30	22.47	22.38					
10	QPSK	25	25	22.33	22.36	22.22					
10	QPSK	50	0	22.22	22.44	22.30	23.5	1			
10	16QAM	1	0	22.29	22.35	22.20					
10	16QAM	1	25	22.24	22.36	22.38					
10	16QAM	1	49	22.27	22.24	22.28	23.5	1			
10	16QAM	25	0	21.09	21.12	21.11					
10	16QAM	25	12	21.19	21.20	21.05					
10	16QAM	25	25	21.08	21.16	21.10	22.5	2			
10	16QAM	50	0	21.11	21.14	21.05					
10	64QAM	1	0	21.30	21.22	21.20					
10	64QAM	1	25	21.25	21.21	21.19	22.5	2			
10	64QAM	1	49	21.17	21.31	21.23					
10	64QAM	25	0	20.08	20.13	20.11					
10	64QAM	25	12	20.13	20.24	20.19	21.5	3			
10	64QAM	25	25	20.19	20.21	20.16					
10	64QAM	50	0	20.07	20.10	20.12					
Channel				20452	20525	20600					
Frequency (MHz)				829.5	836.5	846.5					
5	QPSK	1	0	23.07	23.10	22.91	24.5	0			
5	QPSK	1	12	23.06	23.12	23.18					
5	QPSK	1	24	22.96	23.12	22.97					
5	QPSK	12	0	21.91	22.07	22.04	23.5	1			
5	QPSK	12	7	22.03	22.20	22.13					
5	QPSK	12	13	22.04	22.07	21.98					
5	QPSK	25	0	22.11	22.16	21.97	23.5	1			
5	16QAM	1	0	22.02	22.10	22.07					
5	16QAM	1	24	22.05	22.10	22.07					
5	16QAM	1	24	21.97	22.09	22.04	22.5	2			
5	16QAM	12	0	20.97	21.02	21.05					
5	16QAM	12	7	21.18	21.20	21.04					
5	16QAM	12	13	20.98	21.03	21.03	22.5	2			
5	16QAM	25	0	21.04	21.01	21.00					
5	64QAM	1	0	21.17	21.03	21.01					
5	64QAM	1	12	21.00	20.96	20.99	22.5	2			
5	64QAM	1	24	21.00	21.12	21.08					
5	64QAM	12	0	19.93	20.02	20.11					
5	64QAM	12	7	20.08	20.22	20.13	21.5	3			
5	64QAM	12	13	20.10	20.20	20.09					
5	64QAM	25	0	19.98	20.09	20.09					
Channel				20415	20525	20635					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.10	23.16	23.11	24.5	0			
3	QPSK	1	8	23.20	23.25	23.17					
3	QPSK	1	14	23.05	23.17	23.08					
3	QPSK	8	0	21.99	22.01	22.12	23.5	1			
3	QPSK	8	4	22.15	22.17	22.10					
3	QPSK	8	7	22.05	22.12	21.98					
3	QPSK	15	0	22.19	22.11	22.03	23.5	1			
3	16QAM	1	0	22.11	22.24	22.13					
3	16QAM	1	8	22.14	22.23	22.10					
3	16QAM	1	14	22.01	22.19	22.07	23.5	1			
3	16QAM	8	0	20.98	21.11	21.09					
3	16QAM	8	4	21.19	21.11	21.04					
3	16QAM	8	7	20.98	21.16	21.04	22.5	2			
3	16QAM	15	0	21.00	21.07	20.93					
3	64QAM	1	0	21.11	21.08	21.03					
3	64QAM	1	8	21.09	21.09	21.09	22.5	2			
3	64QAM	1	14	20.96	21.09	20.99					
3	64QAM	8	0	20.08	20.00	20.04					
3	64QAM	8	4	20.07	20.23	20.12	21.5	3			
3	64QAM	8	7	20.05	20.12	20.18					
3	64QAM	15	0	20.03	20.18	20.17					
Channel				20407	20525	20643					
Frequency (MHz)				827.7	836.5	848.3					
1.4	QPSK	1	0	23.11	23.15	22.91	24.5	0			
1.4	QPSK	1	3	23.10	23.20	23.18					
1.4	QPSK	1	5	22.85	23.08	22.97					
1.4	QPSK	3	0	23.05	23.02	22.84	23.5	1			
1.4	QPSK	3	1	23.10	23.07	23.16					
1.4	QPSK	3	3	22.87	23.06	22.87					
1.4	QPSK	6	0	22.15	22.22	22.09	23.5	1			
1.4	16QAM	1	0	22.10	22.25	22.10					
1.4	16QAM	1	3	22.12	22.19	22.11					
1.4	16QAM	1	5	22.05	22.08	21.95	23.5	1			
1.4	16QAM	3	0	22.02	22.18	22.01					
1.4	16QAM	3	1	22.06	22.19	22.11					
1.4	16QAM	3	3	21.93	21.93	21.91	22.5	2			
1.4	16QAM	6	0	21.02	21.10	20.94					
1.4	64QAM	1	0	21.12	21.12	21.00					
1.4	64QAM	1	3	21.02	21.04	20.96	22.5	2			
1.4	64QAM	1	5	21.06	21.12	21.07					
1.4	64QAM	3	0	21.08	21.10	20.95					
1.4	64QAM	3	1	20.89	20.96	20.87	21.5	3			
1.4	64QAM	3	3	21.08	21.12	20.95					
1.4	64QAM	6	0	19.97	20.19	20.06					

Band 7_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	15.01	15.21	15.09	16.3	0			
20	QPSK	1	49	15.18	15.29	15.22					
20	QPSK	1	99	15.07	15.14	15.21					
20	QPSK	50	0	15.02	15.17	15.10	16.3	0			
20	QPSK	50	24	15.26	15.28	15.21					
20	QPSK	50	50	15.21	15.25	15.04					
20	QPSK	100	0	15.18	15.25	15.01	16.3	0			
20	16QAM	1	0	15.23	15.20	14.99					
20	16QAM	1	49	15.20	15.13	14.96					
20	16QAM	1	99	15.13	15.17	15.16	16.3	0			
20	16QAM	50	0	15.10	15.25	15.20					
20	16QAM	50	24	15.03	15.24	15.08					
20	16QAM	50	50	15.12	15.28	15.09	16.3	0			
20	16QAM	100	0	15.21	15.21	15.04					
20	64QAM	1	0	15.18	15.20	15.10					
20	64QAM	1	49	15.08	15.24	15.24	16.3	0			
20	64QAM	1	99	15.04	15.14	15.27					
20	64QAM	50	0	15.19	15.27	15.27					
20	64QAM	50	24	15.26	15.27	15.14	16.3	0			
20	64QAM	50	50	15.24	15.22	15.10					
20	64QAM	100	0	15.13	15.23	15.15					
Channel				20925	21100	21375					
Frequency (MHz)				2097.5	2525	2592.5					
15	QPSK	1	0	14.85	15.15	14.85	16.3	0			
15	QPSK	1	37	15.11	15.15	15.08					
15	QPSK	1	74	14.94	15.04	15.09					
15	QPSK	36	0	14.88	15.07	15.05	16.3	0			
15	QPSK	36	20	15.15	15.22	15.10					
15	QPSK	36	39	15.15	15.14	14.90					
15	QPSK	75	0	15.04	15.10	14.95	16.3	0			
15	16QAM	1	0	15.14	15.10	14.94					
15	16QAM	1	74	14.95	15.05	15.21					
15	16QAM	1	74	15.08	15.09	15.11	16.3	0			
15	16QAM	36	0	15.02	15.14	15.14					
15	16QAM	36	20	14.96	15.14	14.95					
15	16QAM	36	39	15.02	15.14	15.04	16.3	0			
15	16QAM	75	0	15.10	15.08	14.93					
15	64QAM	1	0	15.03	15.10	15.05					
15	64QAM	1	37	14.84	15.17	15.12	16.3	0			
15	64QAM	1	74	14.95	15.05	15.21					
15	64QAM	36	0	15.05	15.14	15.16					
15	64QAM	36	20	15.13							



Band 7_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	19.35	19.31	19.25	20.8	0		
20	QPSK	1	49	19.50	19.51	19.32				
20	QPSK	1	99	19.45	19.43	19.16				
20	QPSK	50	0	19.42	19.36	19.27	20.8	0		
20	QPSK	50	24	19.26	19.47	19.32				
20	QPSK	50	50	19.37	19.41	19.21				
20	QPSK	100	0	19.33	19.39	19.19	20.8	0		
20	16QAM	1	0	19.29	19.41	19.33				
20	16QAM	1	49	19.34	19.26	19.32				
20	16QAM	1	99	19.40	19.44	19.31	20.8	0		
20	16QAM	50	0	19.41	19.36	19.24				
20	16QAM	50	24	19.47	19.34	19.36				
20	16QAM	50	50	19.29	19.33	19.34	20.8	0		
20	16QAM	100	0	19.38	19.38	19.27				
20	64QAM	1	0	19.43	19.45	19.28				
20	64QAM	1	49	19.33	19.46	19.33	20.8	0		
20	64QAM	1	99	19.34	19.35	19.27				
20	64QAM	50	0	19.40	19.41	19.37				
20	64QAM	50	24	19.31	19.40	19.31	20.8	0		
20	64QAM	50	50	19.32	19.41	19.28				
20	64QAM	100	0	19.31	19.41	19.31				
Channel				20925	21100	21375	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	19.27	19.24	19.17	20.8	0		
15	QPSK	1	37	19.41	19.42	19.19				
15	QPSK	1	74	19.39	19.34	19.01				
15	QPSK	36	0	19.31	19.24	19.16	20.8	0		
15	QPSK	36	20	19.37	19.40	19.25				
15	QPSK	36	39	19.24	19.27	19.12				
15	QPSK	75	0	19.26	19.30	19.04	20.8	0		
15	16QAM	1	0	19.18	19.33	19.25				
15	16QAM	1	37	19.26	19.20	19.27				
15	16QAM	1	74	19.27	19.34	19.20	20.8	0		
15	16QAM	36	0	19.32	19.30	19.16				
15	16QAM	36	20	19.40	19.22	19.26				
15	16QAM	36	39	19.17	19.20	19.19	20.8	0		
15	16QAM	75	0	19.25	19.30	19.12				
15	64QAM	1	0	19.30	19.31	19.22				
15	64QAM	1	37	19.19	19.39	19.28	20.8	0		
15	64QAM	1	74	19.28	19.30	19.31				
15	64QAM	36	0	19.30	19.31	19.20				
15	64QAM	36	20	19.22	19.26	19.25	20.8	0		
15	64QAM	36	39	19.21	19.36	19.15				
15	64QAM	75	0	19.23	19.33	19.21				
Channel				20800	21100	21400	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.30	19.22	19.10	20.8	0		
10	QPSK	1	25	19.38	19.38	19.18				
10	QPSK	1	49	19.37	19.32	19.11				
10	QPSK	25	0	19.31	19.27	19.15	20.8	0		
10	QPSK	25	12	19.38	19.34	19.16				
10	QPSK	25	25	19.30	19.29	19.06				
10	QPSK	50	0	19.26	19.29	19.08	20.8	0		
10	16QAM	1	0	19.23	19.32	19.21				
10	16QAM	1	25	19.20	19.18	19.20				
10	16QAM	1	49	19.34	19.36	19.23	20.8	0		
10	16QAM	25	0	19.35	19.27	19.11				
10	16QAM	25	12	19.35	19.23	19.28				
10	16QAM	25	25	19.14	19.19	19.25	20.8	0		
10	16QAM	50	0	19.25	19.28	19.22				
10	64QAM	1	0	19.32	19.35	19.21				
10	64QAM	1	25	19.26	19.31	19.19	20.8	0		
10	64QAM	1	49	19.25	19.27	19.27				
10	64QAM	25	0	19.33	19.31	19.22				
10	64QAM	25	12	19.23	19.29	19.23	20.8	0		
10	64QAM	25	25	19.25	19.30	19.19				
10	64QAM	50	0	19.19	19.27	19.18				
Channel				20775	21100	21425	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2533	2562.5				
5	QPSK	1	0	19.28	19.19	19.16	20.8	0		
5	QPSK	1	12	19.39	19.38	19.26				
5	QPSK	1	24	19.35	19.31	19.02				
5	QPSK	12	0	19.37	19.30	19.14	20.8	0		
5	QPSK	12	7	19.32	19.41	19.22				
5	QPSK	12	13	19.23	19.32	19.16				
5	QPSK	25	0	19.22	19.24	19.10	20.8	0		
5	16QAM	1	0	19.14	19.27	19.22				
5	16QAM	1	12	19.21	19.19	19.24				
5	16QAM	1	24	19.29	19.32	19.18	20.8	0		
5	16QAM	12	0	19.26	19.26	19.10				
5	16QAM	12	7	19.35	19.26	19.26				
5	16QAM	12	13	19.14	19.26	19.27	20.8	0		
5	16QAM	25	0	19.26	19.33	19.15				
5	64QAM	1	0	19.35	19.31	19.23				
5	64QAM	1	12	19.27	19.41	19.28	20.8	0		
5	64QAM	1	24	19.23	19.21	19.26				
5	64QAM	12	0	19.27	19.31	19.16				
5	64QAM	12	7	19.26	19.30	19.18	20.8	0		
5	64QAM	12	13	19.27	19.36	19.19				
5	64QAM	25	0	19.24	19.33	19.20				

Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	22.82	22.83	22.70	23.2	0		
10	QPSK	1	25	22.83	22.89	22.73				
10	QPSK	1	49	22.77	22.86	22.72				
10	QPSK	25	0	22.78	22.85	22.71	23.2	0		
10	QPSK	25	12	22.80	22.87	22.77				
10	QPSK	25	25	22.82	22.86	22.69				
10	QPSK	50	0	22.82	22.86	22.69	23.2	0		
10	16QAM	1	0	22.81	22.85	22.71				
10	16QAM	1	25	22.80	22.82	22.79				
10	16QAM	1	49	22.82	22.79	22.77	23.2	0		
10	16QAM	25	0	22.34	22.32	22.24				
10	16QAM	25	12	22.28	22.38	22.20				
10	16QAM	25	25	22.33	22.30	22.19	22.7	0.5		
10	16QAM	50	0	22.36	22.35	22.21				
10	64QAM	1	0	22.35	22.29	22.19				
10	64QAM	1	25	22.29	22.36	22.24	22.7	0.5		
10	64QAM	1	49	22.35	22.28	22.28				
10	64QAM	25	0	21.32	21.37	21.25				
10	64QAM	25	12	21.32	21.37	21.22	21.7	1.5		
10	64QAM	25	25	21.37	21.32	21.23				
10	64QAM	50	0	21.37	21.35	21.23				
Channel				23065	23095	23165	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.70	22.78	22.65	23.2	0		
5	QPSK	1	12	22.75	22.77	22.59				
5	QPSK	1	24	22.84	22.72	22.65				
5	QPSK	12	0	22.85	22.75	22.62	23.2	0		
5	QPSK	12	7	22.73	22.76	22.66				
5	QPSK	12	13	22.87	22.75	22.59				
5	QPSK	25	0	22.70	22.74	22.63	23.2	0		
5	16QAM	1	0	22.74	22.79	22.57				
5	16QAM	1	12	22.73	22.73	22.50				
5	16QAM	1	24	22.67	22.67	22.70	23.2	0		
5	16QAM	12	0	22.34	22.21	22.18				
5	16QAM	12	7	22.21	22.32	22.97				
5	16QAM	12	13	22.26	22.15	22.10	22.7	0.5		
5	16QAM	25	0	22.26	22.20	22.07				
5	64QAM	1	0	22.21	22.17	22.07				
5	64QAM	1	12	22.16	22.28	22.14	22.7	0.5		
5	64QAM	1	24	22.23	22.13	22.16				
5	64QAM	12	0	21.26	21.30	21.17				
5	64QAM	12	7	21.25	21.22	21.10	21.7	1.5		
5	64QAM	12	13	21.28	21.24	21.11				
5	64QAM	25	0	21.31	21.24	21.11				



Band 13_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				23230							
Frequency (MHz)				782							
10	QPSK	1	0	19.73			20	0			
10	QPSK	1	25	19.79							
10	QPSK	1	49	19.75							
10	QPSK	25	0	19.72			20	0			
10	QPSK	25	12	19.76							
10	QPSK	25	25	19.75							
10	QPSK	50	0	19.72			20	0			
10	16QAM	1	0	19.71							
10	16QAM	1	25	19.77							
10	16QAM	1	49	19.71			20	0			
10	16QAM	25	0	19.72							
10	16QAM	25	12	19.77							
10	16QAM	25	25	19.73			20	0			
10	16QAM	50	0	19.75							
10	64QAM	1	0	19.78							
10	64QAM	1	25	19.72			20	0			
10	64QAM	1	49	19.73							
10	64QAM	25	0	19.70							
10	64QAM	25	12	19.75			20	0			
10	64QAM	25	25	19.72							
10	64QAM	50	0	19.73							
Channel				23205							
Frequency (MHz)				770.5							
5	QPSK	1	0	19.68	19.63	19.68	20	0			
5	QPSK	1	12	19.72	19.67	19.72					
5	QPSK	1	24	19.60	19.67	19.65					
5	QPSK	12	0	19.62	19.65	19.62	20	0			
5	QPSK	12	7	19.62	19.68	19.66					
5	QPSK	12	13	19.69	19.67	19.66					
5	QPSK	25	0	19.58	19.60	19.67	20	0			
5	16QAM	1	0	19.58	19.59	19.57					
5	16QAM	1	12	19.62	19.72	19.68					
5	16QAM	1	24	19.58	19.62	19.58	20	0			
5	16QAM	12	0	19.66	19.57	19.63					
5	16QAM	12	7	19.63	19.66	19.71					
5	16QAM	12	13	19.65	19.59	19.58	20	0			
5	16QAM	25	0	19.66	19.60	19.63					
5	64QAM	1	0	19.73	19.73	19.63					
5	64QAM	1	12	19.64	19.67	19.62	20	0			
5	64QAM	1	24	19.59	19.67	19.65					
5	64QAM	12	0	19.63	19.63	19.56					
5	64QAM	12	7	19.62	19.62	19.64	20	0			
5	64QAM	12	13	19.65	19.62	19.59					
5	64QAM	25	0	19.62	19.62	19.59					

Band 13_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				23230							
Frequency (MHz)				782							
10	QPSK	1	0	22.19			23.5	0			
10	QPSK	1	25	22.23							
10	QPSK	1	49	22.19							
10	QPSK	25	0	21.23			22.5	1			
10	QPSK	25	12	21.28							
10	QPSK	25	25	21.25							
10	QPSK	50	0	21.22			22.5	1			
10	16QAM	1	0	21.47							
10	16QAM	1	25	21.54							
10	16QAM	1	49	21.44			21.5	2			
10	16QAM	25	0	20.24							
10	16QAM	25	12	20.21							
10	16QAM	25	25	20.25			21.5	2			
10	16QAM	50	0	20.25							
10	64QAM	1	0	20.35							
10	64QAM	1	25	20.32			20.5	3			
10	64QAM	1	49	20.32							
10	64QAM	25	0	19.23							
10	64QAM	25	12	19.24			20.5	3			
10	64QAM	25	25	19.22							
10	64QAM	50	0	19.24							
Channel				23205							
Frequency (MHz)				770.5							
5	QPSK	1	0	22.08	22.16	22.08	23.5	0			
5	QPSK	1	12	22.12	22.10	22.13					
5	QPSK	1	24	22.19	22.04	22.04					
5	QPSK	12	0	21.21	21.17	21.23	22.5	1			
5	QPSK	12	7	21.15	21.13	21.13					
5	QPSK	12	13	21.18	21.11	21.22					
5	QPSK	25	0	21.16	21.21	21.15	22.5	1			
5	16QAM	1	0	21.47	21.40	21.44					
5	16QAM	1	12	21.39	21.39	21.45					
5	16QAM	1	24	21.30	21.31	21.42	21.5	2			
5	16QAM	12	0	20.13	20.14	20.18					
5	16QAM	12	7	20.07	20.08	20.15					
5	16QAM	12	13	20.20	20.22	20.17	21.5	2			
5	16QAM	25	0	20.13	20.21	20.23					
5	64QAM	1	0	20.32	20.28	20.23					
5	64QAM	1	12	20.18	20.32	20.20	21.5	2			
5	64QAM	1	24	20.23	20.32	20.27					
5	64QAM	12	0	19.20	19.15	19.23					
5	64QAM	12	7	19.24	19.24	19.16	20.5	3			
5	64QAM	12	13	19.07	19.16	19.22					
5	64QAM	25	0	19.19	19.15	19.11					

Band 17_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				23780							
Frequency (MHz)				709							
10	QPSK	1	0	22.67	22.67	22.58	23.2	0			
10	QPSK	1	25	22.71	22.77	22.64					
10	QPSK	1	49	22.68	22.69	22.61					
10	QPSK	25	0	22.73	22.74	22.58	23.2	0			
10	QPSK	25	12	22.78	22.76	22.62					
10	QPSK	25	25	22.73	22.69	22.60					
10	QPSK	50	0	22.71	22.74	22.61	23.2	0			
10	16QAM	1	0	22.71	22.68	22.65					
10	16QAM	1	25	22.73	22.74	22.62					
10	16QAM	1	49	22.71	22.68	22.60	22.7	0.5			
10	16QAM	25	0	22.25	22.14	22.09					
10	16QAM	25	12	22.18	22.23	22.13					
10	16QAM	25	25	22.20	22.24	22.14	22.7	0.5			
10	16QAM	50	0	22.16	22.14	22.10					
10	64QAM	1	0	22.28	22.21	22.05					
10	64QAM	1	25	22.25	22.21	22.08	21.7	1.5			
10	64QAM	1	49	22.24	22.18	22.05					
10	64QAM	25	0	21.21	21.14	21.12					
10	64QAM	25	12	21.20	21.22	21.13	21.7	1.5			
10	64QAM	25	25	21.23	21.15	21.13					
10	64QAM	50	0	21.19	21.19	21.11					
Channel				23755							
Frequency (MHz)				703.5							
5	QPSK	1	0	22.53	22.62	22.59	23.2	0			
5	QPSK	1	12	22.61	22.62	22.56					
5	QPSK	1	24	22.57	22.59	22.49					
5	QPSK	12	0	22.67	22.69	22.53	23.2	0			
5	QPSK	12	7	22.66	22.65	22.55					
5	QPSK	12	13	22.60	22.58	22.55					
5	QPSK	25	0	22.61	22.63	22.56	22.7	0			
5	16QAM	1	0	22.56	22.61	22.59					
5	16QAM	1	12	22.65	22.60	22.54					
5	16QAM	1	24	22.61	22.57	22.49	22.7	0.5			
5	16QAM	12	0	22.20	22.09	21.99					
5	16QAM	12	7	22.05	22.16	22.01					
5	16QAM	12	13	22.05	22.15	21.99	22.7	0.5			
5	16QAM	25	0	22.05	22.05	22.03					
5	64QAM	1	0	22.11	22.07	21.96					
5	64QAM	1	12	22.18	22.12	21.98	21.7	1.5			
5	64QAM	1	24	22.16	22.09	21.98					
5	64QAM	12	0	21.08	21.02	21.03					
5	64QAM	12	7	21.07	21.08	21.05	21.7	1.5			
5	64QAM	12	13	21.15	21.05	21.03					
5	64QAM	25	0	21.11	21.14	20.99					



Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.26	23.27	23.33			24.7	0
10	QPSK	1	25	23.38	23.41	23.35				
10	QPSK	1	49	23.29	23.37	23.34				
10	QPSK	25	0	22.49	22.46	22.40				
10	QPSK	25	12	22.56	22.54	22.33				
10	QPSK	25	25	22.42	22.33	22.33			23.7	1
10	QPSK	50	0	22.50	22.52	22.51				
10	16QAM	1	0	22.45	22.45	22.38				
10	16QAM	1	25	22.39	22.50	22.40			23.7	1
10	16QAM	1	49	22.33	22.26	22.32				
10	16QAM	25	0	21.52	21.44	21.47				
10	16QAM	25	12	21.30	21.39	21.36			22.7	2
10	16QAM	25	25	21.52	21.50	21.44				
10	16QAM	50	0	21.48	21.47	21.53				
10	64QAM	1	0	21.46	21.37	21.38			22.7	2
10	64QAM	1	25	21.23	21.26	21.35				
10	64QAM	1	49	21.49	21.37	21.37				
10	64QAM	25	0	20.43	20.45	20.41				
10	64QAM	25	12	20.34	20.42	20.45				
10	64QAM	25	25	20.47	20.49	20.48			21.7	3
10	64QAM	50	0	20.48	20.46	20.47				
Channel				23715	23790	23525	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				705.5	710	713.5				
5	QPSK	1	0	23.22	23.24	23.27			24.7	0
5	QPSK	1	12	23.26	23.31	23.32				
5	QPSK	1	24	23.29	23.36	23.26				
5	QPSK	12	0	22.41	22.37	22.28				
5	QPSK	12	7	22.49	22.50	22.51			23.7	1
5	QPSK	12	13	22.32	22.32	22.22				
5	QPSK	25	0	22.48	22.43	22.40				
5	16QAM	1	0	22.39	22.44	22.35			23.7	1
5	16QAM	1	12	22.28	22.38	22.29				
5	16QAM	1	24	22.28	22.17	22.32				
5	16QAM	12	0	21.37	21.39	21.40				
5	16QAM	12	7	21.16	21.31	21.30			22.7	2
5	16QAM	12	13	21.40	21.35	21.31				
5	16QAM	25	0	21.34	21.35	21.42				
5	64QAM	1	0	21.38	21.37	21.27			22.7	2
5	64QAM	1	12	21.11	21.23	21.28				
5	64QAM	1	24	21.45	21.32	21.32				
5	64QAM	12	0	20.34	20.40	20.28				
5	64QAM	12	7	20.21	20.39	20.38				
5	64QAM	12	13	20.42	20.39	20.32			21.7	3
5	64QAM	25	0	20.33	20.36	20.45				

Band 26(FCC)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	18.56	18.66	18.61			19.1	0
15	QPSK	1	37	18.63	18.79	18.69				
15	QPSK	1	74	18.62	18.51	18.68				
15	QPSK	36	0	18.59	18.59	18.52				
15	QPSK	36	39	18.67	18.71	18.47			19.1	0
15	QPSK	36	78	18.61	18.61	18.64				
15	QPSK	75	0	18.62	18.63	18.59				
15	16QAM	1	0	18.64	18.51	18.66				
15	16QAM	1	37	18.70	18.75	18.70			19.1	0
15	16QAM	1	74	18.58	18.51	18.63				
15	16QAM	36	0	18.67	18.72	18.57				
15	16QAM	36	39	18.65	18.67	18.70			19.1	0
15	16QAM	36	78	18.60	18.66	18.63				
15	64QAM	1	0	18.58	18.64	18.58			19.1	0
15	64QAM	1	37	18.61	18.72	18.63				
15	64QAM	1	74	18.67	18.66	18.58				
15	64QAM	36	0	18.60	18.68	18.67				
15	64QAM	36	39	18.66	18.65	18.67			19.1	0
15	64QAM	36	78	18.66	18.66	18.62				
15	64QAM	75	0	18.60	18.62	18.61				
Channel				26740	26865	26990	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819.5	831.5	844				
10	QPSK	1	0	19.42	19.52	19.51			19.1	0
10	QPSK	1	25	19.49	19.62	19.54				
10	QPSK	1	49	19.53	19.36	19.61				
10	QPSK	25	0	19.53	18.48	18.47				
10	QPSK	25	12	19.57	19.60	19.55			19.1	0
10	QPSK	25	25	19.52	19.55	19.59				
10	QPSK	50	0	19.57	19.50	19.52				
10	16QAM	1	0	19.56	19.41	19.54			19.1	0
10	16QAM	1	25	19.58	19.38	19.47				
10	16QAM	1	49	19.44	19.40	19.55			19.1	0
10	16QAM	25	0	19.58	19.67	19.47				
10	16QAM	25	12	19.54	19.56	19.64			19.1	0
10	16QAM	25	25	19.51	19.52	19.44				
10	16QAM	50	0	19.53	19.58	19.48				
10	64QAM	1	0	19.51	19.58	19.50				
10	64QAM	1	25	19.48	19.60	19.56			19.1	0
10	64QAM	1	49	19.48	19.48	19.47				
10	64QAM	25	0	19.48	19.53	19.52				
10	64QAM	25	12	19.55	19.54	19.61			19.1	0
10	64QAM	25	25	19.52	19.51	19.49				
10	64QAM	50	0	19.50	19.54	19.53				
Channel				26715	26865	27015	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	18.47	18.58	18.50			19.1	0
5	QPSK	1	12	18.54	18.71	18.59				
5	QPSK	1	24	18.52	18.46	18.61				
5	QPSK	12	0	18.53	18.49	18.37			19.1	0
5	QPSK	12	7	18.57	18.49	18.45				
5	QPSK	12	13	18.54	18.48	18.55				
5	QPSK	25	0	18.58	18.51	18.45				
5	16QAM	1	0	18.57	18.44	18.56				
5	16QAM	1	12	18.55	18.69	19.59			19.1	0
5	16QAM	1	24	18.48	18.46	18.52				
5	16QAM	12	0	18.56	18.59	18.45				
5	16QAM	12	7	18.54	18.53	18.59			19.1	0
5	16QAM	12	13	18.52	18.35	18.52				
5	16QAM	25	0	18.54	18.54	18.50				
5	64QAM	1	0	18.49	18.59	18.45				
5	64QAM	1	12	18.56	18.59	18.54			19.1	0
5	64QAM	1	24	18.52	18.54	18.52				
5	64QAM	12	0	18.54	18.53	18.53			19.1	0
5	64QAM	12	7	18.55	18.53	18.57				
5	64QAM	12	13	18.54	18.53	18.49				
5	64QAM	25	0	18.48	18.54	18.48				
Channel				26705	26865	27025	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	19.43	19.53	19.48			19.1	0
3	QPSK	1	8	19.56	19.61	19.57				
3	QPSK	1	14	19.51	19.44	19.58				
3	QPSK	8	0	19.53	19.47	19.40			19.1	0
3	QPSK	8	4	19.53	19.64	19.54				
3	QPSK	8	7	19.49	19.51	19.54			19.1	0
3	QPSK	15	0	19.56	19.48	19.51				
3	16QAM	1	0	19.54	19.45	19.51			19.1	0
3	16QAM	1	8	19.56	19.51	19.47				
3	16QAM	1	14	19.53	19.42	19.54			19.1	0
3	16QAM	8	0	19.53	19.57	19.52				
3	16QAM	8	4	19.57	19.57	19.62			19.1	0
3	16QAM	8	7	19.51	19.54	19.45				
3	16QAM	15	0	19.49	19.57</					



Band 66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.22	17.34	17.31	17.8	0		
20	QPSK	1	49	17.31	17.45	17.41				
20	QPSK	1	99	17.28	17.39	17.37				
20	QPSK	50	0	17.23	17.33	17.28	17.8	0		
20	QPSK	50	24	17.26	17.36	17.32				
20	QPSK	50	50	17.24	17.34	17.27				
20	QPSK	100	0	17.23	17.33	17.30	17.8	0		
20	16QAM	1	0	17.27	17.45	17.33				
20	16QAM	1	49	17.23	17.24	17.31				
20	16QAM	1	99	17.37	17.27	17.36	17.8	0		
20	16QAM	50	0	17.28	17.39	17.30				
20	16QAM	50	24	17.21	17.28	17.36				
20	16QAM	100	0	17.24	17.37	17.30	17.8	0		
20	64QAM	1	0	17.25	17.36	17.35				
20	64QAM	1	49	17.29	17.42	17.37				
20	64QAM	1	99	17.29	17.44	17.30	17.8	0		
20	64QAM	50	0	17.20	17.34	17.41				
20	64QAM	50	24	17.35	17.40	17.37				
20	64QAM	100	0	17.15	17.37	17.30	17.8	0		
20	64QAM	100	0	17.26	17.35	17.32				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.22	17.39	17.28	17.8	0		
15	QPSK	1	37	17.09	17.23	17.35				
15	QPSK	1	74	17.18	17.31	17.36				
15	QPSK	36	0	17.24	17.25	17.30	17.8	0		
15	QPSK	36	20	17.16	17.23	17.18				
15	QPSK	36	39	17.20	17.25	17.26				
15	QPSK	75	0	17.14	17.30	17.25	17.8	0		
15	16QAM	1	0	17.22	17.41	17.30				
15	16QAM	1	74	17.16	17.20	17.33				
15	16QAM	1	74	17.27	17.25	17.28	17.8	0		
15	16QAM	36	0	17.20	17.31	17.21				
15	16QAM	36	20	17.17	17.22	17.32				
15	16QAM	36	39	17.22	17.36	17.20	17.8	0		
15	16QAM	75	0	17.14	17.32	17.25				
15	64QAM	1	0	17.19	17.29	17.31				
15	64QAM	1	37	17.28	17.41	17.30	17.8	0		
15	64QAM	1	74	17.17	17.29	17.26				
15	64QAM	36	0	17.17	17.29	17.33				
15	64QAM	36	20	17.33	17.30	17.22	17.8	0		
15	64QAM	36	39	17.13	17.32	17.24				
15	64QAM	75	0	17.20	17.25	17.28				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.17	17.40	17.26	17.8	0		
10	QPSK	1	25	17.11	17.26	17.29				
10	QPSK	1	49	17.13	17.27	17.38				
10	QPSK	25	0	17.25	17.27	17.27	17.8	0		
10	QPSK	25	25	17.20	17.29	17.23				
10	QPSK	25	25	17.15	17.31	17.29				
10	QPSK	50	0	17.21	17.31	17.21	17.8	0		
10	16QAM	1	0	17.26	17.38	17.26				
10	16QAM	1	25	17.18	17.14	17.30				
10	16QAM	1	49	17.36	17.23	17.36	17.8	0		
10	16QAM	25	0	17.22	17.31	17.25				
10	16QAM	25	12	17.20	17.28	17.34				
10	16QAM	25	25	17.24	17.34	17.21	17.8	0		
10	16QAM	50	0	17.17	17.36	17.26				
10	64QAM	1	0	17.21	17.34	17.34				
10	64QAM	1	25	17.20	17.32	17.22	17.8	0		
10	64QAM	1	49	17.22	17.37	17.28				
10	64QAM	25	0	17.20	17.25	17.32				
10	64QAM	25	12	17.25	17.31	17.31	17.8	0		
10	64QAM	25	25	17.14	17.29	17.30				
10	64QAM	50	0	17.17	17.25	17.24				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.20	17.34	17.29	17.8	0		
5	QPSK	1	12	17.15	17.28	17.29				
5	QPSK	1	24	17.21	17.33	17.38				
5	QPSK	12	0	17.19	17.27	17.32	17.8	0		
5	QPSK	12	7	17.16	17.30	17.26				
5	QPSK	12	13	17.23	17.25	17.36				
5	QPSK	25	0	17.18	17.26	17.28	17.8	0		
5	16QAM	1	0	17.26	17.40	17.24				
5	16QAM	1	12	17.20	17.34	17.31				
5	16QAM	1	24	17.34	17.22	17.30	17.8	0		
5	16QAM	12	0	17.27	17.34	17.24				
5	16QAM	12	7	17.17	17.21	17.36				
5	16QAM	12	13	17.17	17.38	17.29	17.8	0		
5	16QAM	25	0	17.24	17.30	17.30				
5	64QAM	1	0	17.21	17.27	17.27				
5	64QAM	1	12	17.21	17.39	17.34	17.8	0		
5	64QAM	1	24	17.26	17.42	17.29				
5	64QAM	12	0	17.16	17.28	17.41				
5	64QAM	12	7	17.28	17.37	17.28	17.8	0		
5	64QAM	12	13	17.14	17.37	17.25				
5	64QAM	25	0	17.26	17.29	17.29				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.26	17.36	17.23	17.8	0		
3	QPSK	1	8	17.15	17.27	17.34				
3	QPSK	1	14	17.19	17.31	17.38				
3	QPSK	8	0	17.18	17.30	17.31	17.8	0		
3	QPSK	8	4	17.22	17.31	17.19				
3	QPSK	8	7	17.15	17.33	17.32				
3	QPSK	15	0	17.22	17.28	17.24	17.8	0		
3	16QAM	1	0	17.23	17.35	17.27				
3	16QAM	1	8	17.13	17.21	17.31				
3	16QAM	1	14	17.37	17.22	17.30	17.8	0		
3	16QAM	8	0	17.27	17.35	17.22				
3	16QAM	8	4	17.11	17.27	17.25				
3	16QAM	8	7	17.26	17.42	17.25	17.8	0		
3	16QAM	15	0	17.17	17.36	17.23				
3	64QAM	1	0	17.20	17.27	17.26				
3	64QAM	1	8	17.19	17.39	17.32	17.8	0		
3	64QAM	1	14	17.23	17.41	17.21				
3	64QAM	8	0	17.17	17.32	17.40				
3	64QAM	8	4	17.33	17.34	17.29	17.8	0		
3	64QAM	8	7	17.12	17.37	17.29				
3	64QAM	15	0	17.26	17.33	17.22				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.25	17.40	17.16	17.8	0		
1.4	QPSK	1	3	17.14	17.22	17.33				
1.4	QPSK	1	5	17.17	17.34	17.41				
1.4	QPSK	3	0	17.21	17.29	17.38	17.8	0		
1.4	QPSK	3	1	17.22	17.33	17.27				
1.4	QPSK	3	3	17.18	17.31	17.37				
1.4	QPSK	6	0	17.14	17.33	17.26	17.8	0		
1.4	16QAM	1	0	17.25	17.44	17.27				
1.4	16QAM	1	3	17.16	17.19	17.27				
1.4	16QAM	1	4	17.36	17.25	17.32	17.8	0		
1.4	16QAM	3	0	17.22	17.30	17.20				
1.4	16QAM	3	1	17.18	17.24	17.29				
1.4	16QAM	3	1	17.19	17.36	17.20	17.8	0		
1.4	16QAM	6	0	17.15	17.28	17.20				
1.4	16QAM	6	0	17.16	17.28	17.30				
1.4	64QAM	1	3	17.23	17.40	17.27	17.8	0		
1.4	64QAM	1	5	17.19	17.34	17.32				
1.4	64QAM	3	0	17.27	17.37	17.30				
1.4	64QAM	3	3	17.07	17.31	17.21	17.8	0		
1.4	64QAM	6	0	17.19	17.32	17.23				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.09	23.18	23.04	24.3	0		
20	QPSK	1	49	23.14	23.29	23.19				
20	QPSK	1	99	22.88	23.02	23.02				
20	QPSK	50	0	22.27	22.28	22.26	23.3	1		
20	QPSK	50	24	22.28	22.28	22.25				
20	QPSK	50	50	22.20	22.24	22.15				
20	QPSK	100	0	22.21	22.25	22.21	23.3	1		
20	16QAM	1	0	22.28	22.22	22.25				
20	16QAM	1	49	22.15	22.24	22.26				
20										



Band 38_Ant 3										
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				3750	3800	3815				
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	0	15.43	15.57	15.53	16.9	0		
20	QPSK	1	49	15.55	15.67	15.57				
20	QPSK	1	99	15.39	15.63	15.55				
20	QPSK	50	0	15.50	15.57	15.50	16.9	0		
20	QPSK	50	24	15.54	15.57	15.52				
20	QPSK	50	50	15.46	15.55	15.50				
20	QPSK	100	0	15.39	15.53	15.48	16.9	0		
20	16QAM	1	0	15.43	15.52	15.58				
20	16QAM	1	49	15.51	15.55	15.52				
20	16QAM	1	99	15.51	15.50	15.61	16.9	0		
20	16QAM	50	0	15.58	15.59	15.53				
20	16QAM	50	24	15.55	15.55	15.46				
20	16QAM	50	50	15.51	15.48	15.57	16.9	0		
20	16QAM	100	0	15.53	15.59	15.55				
20	84QAM	1	0	15.57	15.47	15.60				
20	84QAM	1	49	15.51	15.50	15.61	16.9	0		
20	84QAM	1	99	15.48	15.53	15.63				
20	84QAM	50	0	15.65	15.58	15.53				
20	84QAM	50	24	15.54	15.54	15.55	16.9	0		
20	84QAM	50	50	15.46	15.52	15.57				
20	84QAM	100	0	15.64	15.57	15.65				
Channel				3725	3800	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	15.33	15.44	15.41	16.9	0		
15	QPSK	1	37	15.49	15.62	15.47				
15	QPSK	1	74	15.27	15.54	15.43				
15	QPSK	36	0	15.37	15.52	15.39	16.9	0		
15	QPSK	36	20	15.49	15.45	15.40				
15	QPSK	36	39	15.39	15.43	15.38				
15	QPSK	75	0	15.31	15.40	15.38	16.9	0		
15	16QAM	1	0	15.33	15.44	15.47				
15	16QAM	1	37	15.42	15.44	15.40				
15	16QAM	1	74	15.50	15.41	15.31	16.9	0		
15	16QAM	36	0	15.51	15.45	15.46				
15	16QAM	36	20	15.48	15.48	15.39				
15	16QAM	36	39	15.46	15.38	15.46	16.9	0		
15	16QAM	75	0	15.40	15.48	15.42				
15	84QAM	1	0	15.48	15.33	15.50				
15	84QAM	1	37	15.44	15.37	15.52	16.9	0		
15	84QAM	1	74	15.33	15.44	15.57				
15	84QAM	36	0	15.54	15.46	15.39				
15	84QAM	36	20	15.46	15.46	15.50	16.9	0		
15	84QAM	36	39	15.38	15.44	15.44				
15	84QAM	75	0	15.55	15.45	15.51				
Channel				3780	3800	3820	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	15.35	15.52	15.44	16.9	0		
10	QPSK	1	25	15.43	15.60	15.51				
10	QPSK	1	49	15.32	15.48	15.43				
10	QPSK	25	0	15.35	15.42	15.37	16.9	0		
10	QPSK	25	12	15.46	15.50	15.40				
10	QPSK	25	25	15.38	15.40	15.40				
10	QPSK	50	0	15.32	15.43	15.35	16.9	0		
10	16QAM	1	0	15.30	15.40	15.45				
10	16QAM	1	25	15.37	15.40	15.42				
10	16QAM	1	49	15.52	15.41	15.39	16.9	0		
10	16QAM	25	0	15.45	15.52	15.47				
10	16QAM	25	12	15.43	15.44	15.34				
10	16QAM	25	25	15.41	15.35	15.49	16.9	0		
10	16QAM	50	0	15.43	15.44	15.49				
10	84QAM	1	0	15.43	15.40	15.55				
10	84QAM	1	25	15.41	15.35	15.54	16.9	0		
10	84QAM	1	49	15.34	15.38	15.51				
10	84QAM	25	0	15.55	15.53	15.41				
10	84QAM	25	12	15.47	15.39	15.46	16.9	0		
10	84QAM	25	25	15.36	15.41	15.44				
10	84QAM	50	0	15.64	15.48	15.51				
Channel				3775	3800	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	15.36	15.52	15.47	16.9	0		
5	QPSK	1	12	15.45	15.62	15.52				
5	QPSK	1	24	15.33	15.58	15.46				
5	QPSK	12	0	15.38	15.48	15.40	16.9	0		
5	QPSK	12	7	15.39	15.45	15.40				
5	QPSK	12	13	15.39	15.45	15.42				
5	QPSK	25	0	15.34	15.42	15.38	16.9	0		
5	16QAM	1	0	15.30	15.37	15.51				
5	16QAM	1	12	15.41	15.49	15.42				
5	16QAM	1	24	15.49	15.48	15.36	16.9	0		
5	16QAM	12	0	15.48	15.45	15.38				
5	16QAM	12	7	15.42	15.42	15.37				
5	16QAM	12	13	15.41	15.43	15.48	16.9	0		
5	16QAM	25	0	15.41	15.50	15.42				
5	84QAM	1	0	15.46	15.38	15.45				
5	84QAM	1	12	15.42	15.42	15.52	16.9	0		
5	84QAM	1	24	15.39	15.42	15.52				
5	84QAM	12	0	15.54	15.50	15.40				
5	84QAM	12	7	15.47	15.48	15.41	16.9	0		
5	84QAM	12	13	15.31	15.47	15.49				
5	84QAM	25	0	15.49	15.42	15.52				

Band 38_Ant 0										
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				3750	3800	3815				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.80	23.88	23.90	24.4	0		
20	QPSK	1	49	24.02	24.08	24.07				
20	QPSK	1	99	24.01	23.98	24.06				
20	QPSK	50	0	22.92	22.98	22.97	23.4	1		
20	QPSK	50	24	23.06	23.07	23.04				
20	QPSK	50	50	23.03	23.02	23.03				
20	QPSK	100	0	22.95	23.00	22.98	23.4	1		
20	16QAM	1	0	22.89	22.96	22.89				
20	16QAM	1	49	23.11	23.11	23.12				
20	16QAM	1	99	23.03	22.95	22.97	22.4	2		
20	16QAM	50	0	21.94	21.98	22.00				
20	16QAM	50	24	22.01	22.02	22.07				
20	16QAM	50	50	22.05	22.01	22.05	21.4	3		
20	16QAM	100	0	21.96	22.00	22.00				
20	84QAM	1	0	21.47	21.56	21.51				
20	84QAM	1	49	21.70	21.76	21.83	22.4	2		
20	84QAM	1	99	21.73	21.66	21.70				
20	84QAM	50	0	20.92	20.96	20.96				
20	84QAM	50	24	20.96	21.00	21.00	21.4	3		
20	84QAM	50	50	21.01	20.98	21.00				
20	84QAM	100	0	20.89	20.93	20.97				
Channel				3725	3800	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.77	23.87	23.77	24.4	0		
15	QPSK	1	37	24.02	24.06	24.07				
15	QPSK	1	74	23.99	23.88	24.03				
15	QPSK	36	0	22.77	22.92	22.93	23.4	1		
15	QPSK	36	20	22.83	23.03	22.93				
15	QPSK	36	39	23.02	22.91	22.88				
15	QPSK	75	0	22.81	22.96	22.83	23.4	1		
15	16QAM	1	0	22.88	23.02	22.89				
15	16QAM	1	37	23.05	23.11	23.02				
15	16QAM	1	74	22.96	22.82	22.82	22.4	2		
15	16QAM	36	0	21.80	21.98	21.95				
15	16QAM	36	20	22.00	21.91	21.97				
15	16QAM	36	39	22.04	21.96	21.99	22.4	2		
15	16QAM	75	0	21.84	21.99	21.99				
15	84QAM	1	0	21.37	21.52	21.50				
15	84QAM	1	37	21.60	21.65	21.78	22.4	2		
15	84QAM	1	74	21.73	21.66	21.62				
15	84QAM	36	0	20.79	20.83	20.96				



Band 41_Ant 3										
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	15.23	14.81	15.32	15.21	15.22	16.3	0
20	QPSK	1	49	15.28	14.96	15.46	15.30	15.44		
20	QPSK	1	99	15.26	14.80	15.34	15.30	15.25	16.3	0
20	QPSK	50	0	15.24	14.75	15.39	15.27	15.25		
20	QPSK	50	24	15.25	14.78	15.40	15.28	15.26	16.3	0
20	QPSK	50	50	15.22	14.72	15.34	15.24	15.19		
20	QPSK	100	0	15.20	14.75	15.35	15.25	15.22	16.3	0
20	16QAM	1	0	15.22	14.79	15.21	15.30	15.27		
20	16QAM	1	49	15.28	14.78	15.17	15.38	15.18	16.3	0
20	16QAM	1	99	15.29	14.82	15.19	15.32	15.15		
20	16QAM	50	0	15.25	14.84	15.19	15.30	15.22	16.3	0
20	16QAM	50	24	15.17	14.86	15.20	15.40	15.29		
20	16QAM	50	50	15.20	14.75	15.26	15.38	15.20	16.3	0
20	16QAM	100	0	15.29	14.79	15.26	15.34	15.34		
20	64QAM	1	0	15.31	14.86	15.17	15.44	15.18	16.3	0
20	64QAM	1	49	15.28	14.81	15.23	15.41	15.17		
20	64QAM	1	99	15.19	14.76	15.21	15.43	15.16	16.3	0
20	64QAM	50	0	15.23	14.73	15.24	15.26	15.31		
20	64QAM	50	24	15.23	14.73	15.20	15.34	15.14	16.3	0
20	64QAM	50	50	15.21	14.76	15.28	15.43	15.15		
20	64QAM	100	0	15.30	14.87	15.25	15.40	15.26		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.14	14.74	15.16	15.21	15.07	16.3	0
15	QPSK	1	37	15.22	14.89	15.22	15.38	15.44		
15	QPSK	1	74	15.13	14.72	15.17	15.19	15.22	16.3	0
15	QPSK	36	0	15.12	14.63	15.17	15.36	15.19		
15	QPSK	36	20	15.16	14.66	15.22	15.40	15.21	16.3	0
15	QPSK	36	39	15.16	14.57	15.17	15.34	15.05		
15	QPSK	75	0	15.17	14.72	15.19	15.36	15.19	16.3	0
15	16QAM	1	0	15.16	14.71	15.12	15.18	15.22		
15	16QAM	1	37	15.17	14.63	15.11	15.24	15.14	16.3	0
15	16QAM	1	74	15.20	14.71	15.08	15.31	15.15		
15	16QAM	36	0	15.18	14.72	15.13	15.26	15.16	16.3	0
15	16QAM	36	20	15.04	14.79	15.06	15.38	15.27		
15	16QAM	36	39	15.06	14.80	15.17	15.32	15.20	16.3	0
15	16QAM	75	0	15.16	14.68	15.17	15.24	15.32		
15	64QAM	1	0	15.20	14.76	15.11	15.42	15.16	16.3	0
15	64QAM	1	37	15.23	14.74	15.11	15.33	15.17		
15	64QAM	1	74	15.04	14.70	15.15	15.30	15.15	16.3	0
15	64QAM	36	0	15.10	14.62	15.16	15.17	15.20		
15	64QAM	36	20	15.13	14.61	15.15	15.30	15.04	16.3	0
15	64QAM	36	39	15.14	14.71	15.18	15.37	15.02		
15	64QAM	75	0	15.21	14.79	15.11	15.33	15.19		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.11	14.67	15.14	15.21	15.16	16.3	0
10	QPSK	1	25	15.13	14.85	15.20	15.40	15.38		
10	QPSK	1	49	15.16	14.74	15.21	15.24	15.19	16.3	0
10	QPSK	25	0	15.16	14.63	15.20	15.29	15.18		
10	QPSK	25	12	15.15	14.71	15.21	15.27	15.22	16.3	0
10	QPSK	25	25	15.13	14.62	15.12	15.34	15.07		
10	QPSK	50	0	15.19	14.79	15.19	15.42	15.18	16.3	0
10	16QAM	1	0	15.08	14.73	15.08	15.25	15.21		
10	16QAM	1	25	15.17	14.72	15.05	15.38	15.09	16.3	0
10	16QAM	1	49	15.20	14.71	15.07	15.25	15.08		
10	16QAM	25	0	15.19	14.73	15.07	15.19	15.07	16.3	0
10	16QAM	25	12	15.05	14.80	15.14	15.36	15.16		
10	16QAM	25	25	15.13	14.68	15.18	15.32	15.19	16.3	0
10	16QAM	50	0	15.24	14.72	15.19	15.19	15.26		
10	64QAM	1	0	15.26	14.79	15.11	15.40	15.16	16.3	0
10	64QAM	1	25	15.21	14.73	15.15	15.32	15.15		
10	64QAM	1	49	15.08	14.63	15.11	15.30	15.09	16.3	0
10	64QAM	25	0	15.09	14.67	15.13	15.13	15.19		
10	64QAM	25	12	15.08	14.59	15.13	15.32	15.07	16.3	0
10	64QAM	25	25	15.08	14.69	15.18	15.33	15.13		
10	64QAM	50	0	15.23	14.76	15.13	15.28	15.15		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2543.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.11	14.75	15.11	15.21	15.16	16.3	0
5	QPSK	1	12	15.19	14.91	15.20	15.34	15.42		
5	QPSK	1	24	15.19	14.73	15.17	15.25	15.12	16.3	0
5	QPSK	12	0	15.18	14.67	15.21	15.24	15.18		
5	QPSK	12	7	15.14	14.65	15.22	15.27	15.25	16.3	0
5	QPSK	12	13	15.08	14.60	15.15	15.33	15.04		
5	QPSK	25	0	15.16	14.76	15.15	15.34	15.20	16.3	0
5	16QAM	1	0	15.14	14.67	15.08	15.28	15.19		
5	16QAM	1	12	15.13	14.70	15.05	15.38	15.09	16.3	0
5	16QAM	1	24	15.19	14.71	15.11	15.32	15.15		
5	16QAM	12	0	15.13	14.71	15.10	15.29	15.19	16.3	0
5	16QAM	12	7	15.05	14.81	15.13	15.30	15.20		
5	16QAM	12	13	15.15	14.61	15.15	15.32	15.16	16.3	0
5	16QAM	25	0	15.22	14.72	15.19	15.27	15.22		
5	64QAM	1	0	15.19	14.81	15.09	15.35	15.18	16.3	0
5	64QAM	1	12	15.22	14.72	15.12	15.28	15.11		
5	64QAM	1	24	15.06	14.67	15.14	15.41	15.16	16.3	0
5	64QAM	12	0	15.18	14.62	15.13	15.20	15.21		
5	64QAM	12	7	15.18	14.58	15.08	15.29	15.05	16.3	0
5	64QAM	12	13	15.06	14.70	15.15	15.38	15.13		
5	64QAM	25	0	15.19	14.82	15.12	15.34	15.26		

Band 41 (HPUE)_Ant 3										
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	18.04	17.80	18.22	18.07	18.16	19.3	0
20	QPSK	1	49	18.10	17.89	18.37	18.23	18.15		
20	QPSK	1	99	18.03	17.54	18.23	18.11	17.88	19.3	0
20	QPSK	50	0	17.97	17.58	18.30	18.00	17.91		
20	QPSK	50	24	18.02	17.61	18.33	18.19	17.95	19.3	0
20	QPSK	50	50	17.94	17.54	18.31	18.10	17.92		
20	QPSK	100	0	17.97	17.55	18.16	17.92	17.89	19.3	0
20	16QAM	1	0	18.01	17.81	18.03	18.29	18.03		
20	16QAM	1	49	18.01	17.56	18.09	18.22	18.11	19.3	0
20	16QAM	1	99	18.00	17.58	17.94	18.25	17.87		
20	16QAM	50	0	17.92	17.61	18.15	18.12	18.15	19.3	0
20	16QAM	50	24	17.98	17.67	18.03	18.25	18.20		
20	16QAM	50	50	17.92	17.65	18.05	18.26	18.06	19.3	0
20	16QAM	100	0	17.93	17.61	17.95	18.23	17.98		
20	64QAM	1	0	18.11	17.64	17.96	18.31	18.01	19.3	0
20	64QAM	1	49	18.07	17.59	18.07	18.30	18.03		
20	64QAM	1	99	18.07	17.62	18.06	18.30	17.90	19.3	0
20	64QAM	50	0	17.96	17.57	18.08	18.35	18.06		
20	64QAM	50	24	18.04	17.54	18.15	18.30	17.97	19.3	0
20	64QAM	50	50	17.99	17.53	18.02	18.21	17.96		
20	64QAM	100	0	18.06	17.61	18.06	18.30			



Band 41_Ant 0												
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	22.49	22.17	22.45	22.32	22.25	22.8	0		
20	QPSK	1	49	22.56	22.38	22.62	22.59	22.47				
20	QPSK	1	99	22.38	22.25	22.58	22.44	22.40				
20	QPSK	50	0	21.92	21.31	21.63	21.46	21.38	21.8	1		
20	QPSK	50	24	21.95	21.39	21.65	21.59	21.46				
20	QPSK	50	50	21.46	21.38	21.61	21.52	21.44				
20	QPSK	100	0	21.47	21.34	21.59	21.51	21.39	21.8	1		
20	16QAM	1	0	21.39	21.18	21.31	21.49	21.35				
20	16QAM	1	49	21.42	21.35	21.55	21.58	21.40				
20	16QAM	1	99	21.40	21.24	21.37	21.55	21.40	20.8	2		
20	16QAM	50	0	20.54	20.31	20.47	20.64	20.32				
20	16QAM	50	24	20.55	20.35	20.53	20.66	20.43				
20	16QAM	50	50	20.51	20.36	20.52	20.59	20.43	20.8	2		
20	16QAM	100	0	20.47	20.30	20.50	20.67	20.36				
20	16QAM	1	0	20.40	20.25	20.45	20.60	20.29				
20	64QAM	1	49	20.52	20.24	20.45	20.59	20.32	20.8	2		
20	64QAM	1	99	20.41	20.21	20.44	20.52	20.29				
20	64QAM	50	0	19.80	19.26	19.45	19.56	19.32				
20	64QAM	50	24	19.83	19.30	19.51	19.63	19.40	19.8	3		
20	64QAM	50	50	19.48	19.34	19.51	19.56	19.42				
20	64QAM	100	0	19.47	19.28	19.45	19.57	19.37				
Channel				39725	40173	40620	41058	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.38	22.07	22.20	22.41	22.15	22.8	0		
15	QPSK	1	37	22.47	22.25	22.52	22.48	22.36				
15	QPSK	1	74	22.23	22.24	22.37	22.47	22.39				
15	QPSK	36	0	21.47	21.20	21.40	21.55	21.38	21.8	1		
15	QPSK	36	20	21.48	21.24	21.49	21.53	21.45				
15	QPSK	36	39	21.40	21.25	21.50	21.50	21.43				
15	QPSK	75	0	21.39	21.28	21.40	21.48	21.24	21.8	1		
15	16QAM	1	0	21.38	21.07	21.25	21.47	21.22				
15	16QAM	1	37	21.36	21.23	21.48	21.52	21.38				
15	16QAM	1	74	21.26	21.20	21.35	21.41	21.29	20.8	2		
15	16QAM	36	0	20.50	20.23	20.34	20.51	20.29				
15	16QAM	36	20	20.41	20.24	20.41	20.56	20.34				
15	16QAM	36	39	20.37	20.29	20.37	20.45	20.42	20.8	2		
15	16QAM	75	0	20.34	20.26	20.47	20.55	20.21				
15	64QAM	1	0	20.32	20.24	20.33	20.59	20.15				
15	64QAM	1	37	20.39	20.15	20.42	20.44	20.29	20.8	2		
15	64QAM	1	74	20.28	20.10	20.32	20.40	20.28				
15	64QAM	36	0	19.49	19.13	19.34	19.50	19.27				
15	64QAM	36	20	19.44	19.29	19.38	19.58	19.31	19.8	3		
15	64QAM	36	39	19.33	19.28	19.40	19.45	19.40				
15	64QAM	75	0	19.35	19.14	19.35	19.44	19.32				
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.39	22.08	22.19	22.34	22.11	22.8	0		
10	QPSK	1	25	22.49	22.27	22.58	22.60	22.32				
10	QPSK	1	49	22.31	22.20	22.32	22.57	22.28				
10	QPSK	25	0	21.46	21.24	21.33	21.54	21.29	21.8	1		
10	QPSK	25	12	21.46	21.34	21.53	21.61	21.33				
10	QPSK	25	25	21.40	21.29	21.39	21.55	21.38				
10	QPSK	50	0	21.35	21.26	21.38	21.54	21.26	21.8	1		
10	16QAM	1	0	21.25	21.11	21.21	21.40	21.34				
10	16QAM	1	25	21.35	21.23	21.42	21.51	21.27				
10	16QAM	1	49	21.27	21.09	21.24	21.47	21.28	20.8	2		
10	16QAM	25	0	20.41	20.29	20.36	20.62	20.19				
10	16QAM	25	12	20.44	20.27	20.46	20.59	20.36				
10	16QAM	25	25	20.42	20.25	20.38	20.59	20.36	20.8	2		
10	16QAM	50	0	20.42	20.16	20.47	20.69	20.20				
10	64QAM	1	0	20.25	20.21	20.30	20.55	20.18				
10	64QAM	1	25	20.47	20.21	20.31	20.50	20.20	20.8	2		
10	64QAM	1	49	20.38	20.07	20.41	20.45	20.22				
10	64QAM	25	0	19.42	19.20	19.33	19.46	19.18				
10	64QAM	25	12	19.38	19.29	19.47	19.61	19.29	19.8	3		
10	64QAM	25	25	19.44	19.25	19.47	19.45	19.28				
10	64QAM	50	0	19.41	19.18	19.39	19.48	19.27				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.42	22.10	22.24	22.36	22.24	22.8	0		
5	QPSK	1	12	22.54	22.34	22.52	22.57	22.32				
5	QPSK	1	24	22.34	22.15	22.29	22.56	22.35				
5	QPSK	12	0	21.37	21.25	21.35	21.56	21.35	21.8	1		
5	QPSK	12	7	21.52	21.25	21.52	21.63	21.41				
5	QPSK	12	13	21.37	21.32	21.42	21.56	21.42				
5	QPSK	25	0	21.37	21.30	21.36	21.56	21.28	21.8	1		
5	16QAM	1	0	21.26	21.11	21.23	21.42	21.22				
5	16QAM	1	12	21.29	21.20	21.54	21.47	21.37				
5	16QAM	1	24	21.34	21.21	21.34	21.49	21.37	20.8	2		
5	16QAM	12	0	20.45	20.20	20.34	20.49	20.26				
5	16QAM	12	7	20.45	20.23	20.48	20.61	20.31				
5	16QAM	12	13	20.40	20.25	20.48	20.50	20.36	20.8	2		
5	16QAM	25	0	20.39	20.15	20.39	20.66	20.23				
5	64QAM	1	0	20.33	20.18	20.34	20.50	20.20				
5	64QAM	1	12	20.48	20.10	20.32	20.46	20.27	20.8	2		
5	64QAM	1	24	20.27	20.15	20.38	20.38	20.20				
5	64QAM	12	0	19.36	19.22	19.38	19.54	19.28				
5	64QAM	12	7	19.39	19.26	19.42	19.58	19.30	19.8	3		
5	64QAM	12	13	19.39	19.29	19.40	19.50	19.37				
5	64QAM	25	0	19.34	19.17	19.44	19.42	19.25				

Band 41 (HPUE)_Ant 0												
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	25.43	25.41	25.50	25.48	25.38	25.8	0		
20	QPSK	1	49	25.50	25.58	25.63	25.54	25.59				
20	QPSK	1	99	25.45	25.43	25.26	25.52	25.44				
20	QPSK	50	0	24.71	24.43	24.66	24.62	24.51	24.8	1		
20	QPSK	50	24	24.72	24.58	24.78	24.71	24.61				
20	QPSK	50	50	24.59	24.54	24.69	24.70	24.60				
20	QPSK	100	0	24.59	24.48	24.69	24.62	24.50	24.8	1		
20	16QAM	1	0	24.64	24.34	24.48	24.68	24.45				
20	16QAM	1	49	24.71	24.43	24.67	24.70	24.48				
20	16QAM	1	99	24.52	24.41	24.69	24.54	24.53	23.8	2		
20	16QAM	50	0	23.70	23.41	23.64	23.77	23.54				
20	16QAM	50	24	23.67	23.50	23.68	23.73	23.58				
20	16QAM	50	50	23.64	23.54	23.72	23.77	23.62	23.8	2		
20	16QAM	100	0	23.59	23.46	23.62	23.76	23.				



Band 41_Ant 4												
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	40195	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.84	19.47	19.86	19.80	19.75	20.8	0		
20	QPSK	1	49	19.73	19.48	19.97	19.81	19.77				
20	QPSK	1	99	19.70	19.40	19.87	19.55	19.67				
20	QPSK	50	0	19.85	19.39	19.94	19.81	19.65				
20	QPSK	50	24	19.68	19.47	19.95	19.65	19.77				
20	QPSK	50	50	19.66	19.37	19.83	19.59	19.73				
20	QPSK	100	0	19.60	19.38	19.83	19.81	19.69				
20	16QAM	1	0	19.71	19.45	19.80	19.93	19.65				
20	16QAM	1	49	19.66	19.47	19.54	19.85	19.67				
20	16QAM	1	99	19.68	19.40	19.56	19.84	19.65				
20	16QAM	50	0	19.70	19.45	19.63	19.83	19.65				
20	16QAM	50	24	19.66	19.42	19.58	19.82	19.67				
20	16QAM	50	50	19.63	19.41	19.57	19.84	19.64				
20	16QAM	100	0	19.66	19.46	19.63	19.89	19.71				
20	64QAM	1	0	19.70	19.38	19.62	19.83	19.65	20.8	0		
20	64QAM	1	49	19.63	19.47	19.63	19.95	19.77				
20	64QAM	1	99	19.67	19.45	19.60	19.86	19.76				
20	64QAM	50	0	19.72	18.44	18.58	18.90	18.77				
20	64QAM	50	24	18.73	18.46	18.57	18.84	18.77				
20	64QAM	50	50	18.84	18.42	18.62	18.90	18.68				
20	64QAM	100	0	18.68	18.37	18.59	18.84	18.76				
Channel				39725	40173	40620	41088	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.58	19.38	19.50	19.77	19.67			20.8	0
15	QPSK	1	37	19.83	19.43	19.49	19.90	19.69				
15	QPSK	1	74	19.62	19.28	19.50	19.76	19.64				
15	QPSK	36	0	19.51	19.29	19.51	19.84	19.58				
15	QPSK	36	20	19.54	19.38	19.57	19.84	19.69				
15	QPSK	36	39	19.57	19.32	19.46	19.72	19.62				
15	QPSK	75	0	19.65	19.32	19.47	19.82	19.57				
15	16QAM	1	0	19.59	19.36	19.55	19.81	19.51				
15	16QAM	1	37	19.55	19.33	19.43	19.73	19.52				
15	16QAM	1	74	19.63	19.35	19.44	19.75	19.64				
15	16QAM	36	0	19.55	19.34	19.48	19.76	19.62				
15	16QAM	36	20	19.51	19.33	19.46	19.68	19.62				
15	16QAM	36	39	19.58	19.28	19.52	19.80	19.51				
15	16QAM	75	0	19.51	19.41	19.57	19.83	19.62				
15	64QAM	1	0	19.56	19.29	19.47	19.78	19.58	20.8	0		
15	64QAM	1	37	19.58	19.37	19.57	19.87	19.75				
15	64QAM	1	74	19.56	19.35	19.50	19.82	19.75				
15	64QAM	36	0	18.58	18.29	18.48	18.75	18.70				
15	64QAM	36	20	18.60	18.35	18.46	18.70	18.65				
15	64QAM	36	39	18.52	18.34	18.55	18.85	18.54				
15	64QAM	75	0	18.56	18.23	18.44	18.70	18.68				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.53	19.41	19.53	19.74	19.64			20.8	0
10	QPSK	1	25	19.61	19.37	19.49	19.83	19.70				
10	QPSK	1	49	19.64	19.28	19.50	19.72	19.66				
10	QPSK	25	0	19.56	19.34	19.51	19.84	19.64				
10	QPSK	25	12	19.60	19.33	19.53	19.81	19.77				
10	QPSK	25	25	19.56	19.31	19.44	19.68	19.59				
10	QPSK	50	0	19.57	19.24	19.47	19.82	19.57				
10	16QAM	1	0	19.60	19.39	19.46	19.85	19.58				
10	16QAM	1	25	19.53	19.42	19.44	19.85	19.65				
10	16QAM	1	49	19.63	19.33	19.51	19.83	19.56				
10	16QAM	25	0	19.64	19.35	19.57	19.75	19.59				
10	16QAM	25	12	19.60	19.36	19.46	19.76	19.62				
10	16QAM	25	25	19.57	19.35	19.43	19.78	19.53				
10	16QAM	50	0	19.59	19.34	19.51	19.89	19.66				
10	64QAM	1	0	19.61	19.30	19.50	19.71	19.52	20.8	0		
10	64QAM	1	25	19.55	19.40	19.58	19.92	19.73				
10	64QAM	1	49	19.62	19.39	19.46	19.80	19.76				
10	64QAM	25	0	18.65	18.35	18.45	18.84	18.71				
10	64QAM	25	12	18.63	18.34	18.45	18.73	18.73				
10	64QAM	25	25	18.59	18.29	18.56	18.80	18.68				
10	64QAM	50	0	18.56	18.25	18.48	18.77	18.70				
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	19.57	19.42	19.49	19.73	19.68			20.8	0
5	QPSK	1	12	19.63	19.38	19.54	19.82	19.73				
5	QPSK	1	24	19.65	19.31	19.42	19.86	19.61				
5	QPSK	12	0	19.50	19.31	19.47	19.89	19.54				
5	QPSK	12	7	19.59	19.40	19.56	19.86	19.62				
5	QPSK	12	13	19.60	19.31	19.53	19.83	19.67				
5	QPSK	25	0	19.58	19.24	19.47	19.68	19.69				
5	16QAM	1	0	19.57	19.37	19.50	19.81	19.56				
5	16QAM	1	12	19.52	19.39	19.42	19.77	19.53				
5	16QAM	1	24	19.54	19.32	19.43	19.70	19.55				
5	16QAM	12	0	19.64	19.35	19.52	19.83	19.54				
5	16QAM	12	7	19.53	19.38	19.49	19.70	19.63				
5	16QAM	12	13	19.52	19.30	19.45	19.70	19.56				
5	16QAM	25	0	19.51	19.40	19.56	19.77	19.58				
5	64QAM	1	0	19.59	19.31	19.52	19.83	19.62	20.8	0		
5	64QAM	1	12	19.52	19.37	19.57	19.88	19.69				
5	64QAM	1	24	19.60	19.40	19.48	19.79	19.61				
5	64QAM	12	0	18.60	18.36	18.44	18.81	18.74				
5	64QAM	12	7	18.64	18.41	18.49	18.82	18.71				
5	64QAM	12	13	18.56	18.30	18.57	18.82	18.60				
5	64QAM	25	0	18.57	18.29	18.45	18.78	18.74				

Band 41 (HPUE)_Ant 4												
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	40195	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.49	22.34	22.51	22.35	22.38	23.8	0		
20	QPSK	1	49	22.57	22.35	22.63	22.39	22.48				
20	QPSK	1	99	22.44	22.36	22.61	22.37	22.36				
20	QPSK	50	0	22.48	22.33	22.44	22.32	22.38				
20	QPSK	50	24	22.52	22.38	22.53	22.37	22.46				
20	QPSK	50	50	22.39	22.35	22.47	22.33	22.32				
20	QPSK	100	0	22.37	22.34	22.45	22.31	22.43				
20	16QAM	1	0	22.35	22.36	22.42	22.37	22.33				
20	16QAM	1	49	22.43	22.37	22.57	22.36	22.36				
20	16QAM	1	99	22.36	22.32	22.46	22.34	22.32				
20	16QAM	50	0	22.35	22.30	22.39	22.36	22.37				
20	16QAM	50	24	22.37	22.32	22.47	22.33	22.44				
20	16QAM	50	50	22.32	22.34	22.39	22.34	22.31				
20	16QAM	100	0	22.31	22.36	22.31	22.31	22.32				
20	64QAM	1	0	22.35	22.35	22.39	22.35	22.35	23.8	0		
20	64QAM	1	49	22.38	22.34	22.44	22.31	22.35				
20	64QAM	1	99	22.36	22.38	22.39	22.38	22.31				
20	64QAM	50	0	21.18	21.03	21.21	21.20	21.25				
20	64QAM	50	24	21.83	21.13	21.24	21.25	21.24				
20	64QAM	50	50	21.28	21.17	21.20	21.22	21.13				
20	64QAM	100	0	21.28	21.04	21.21	21.85	21.81				
Channel				39725	40173	40620	41088	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.41	22.34	22.39	22.38	22.30			23.8	0
15	QPSK	1	37	22.48	22.31	22.56	22.34	22.38				
15	QPSK	1	74	22.30	22.39	22.47	22.37	22.34				
15	QPSK	36	0	22.36	22.36	22.34	22.39	22.38				
15	QPSK	36	20	22.43	22.34	22.40	22.32	22.46				
15	QPSK	36	39	22.31	22.39	22.42	22.30	22.35				
15	QPSK	75	0	22.39	22.31	22.36	22.34	22.41				
15	16QAM											



Full&Default Power

n2_Ant 3									
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				1860	1880	1900			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.75	21.76	21.73			
20	QPSK	1	53	21.85	21.91	21.88	22.7	0.0	
20	QPSK	1	104	21.75	21.76	21.72			
20	QPSK	50	0	20.92	20.88	20.98	21.7	1.0	
20	QPSK	50	28	21.72	21.75	21.71	22.7	0.0	
20	QPSK	50	56	20.84	20.77	20.85			
20	QPSK	100	0	20.75	20.77	20.74	21.7	1.0	
20	16QAM	1	53	20.81	20.71	20.76	21.7	1.0	
20	64QAM	1	53	19.36	19.31	19.26	20.2	2.5	
20	256QAM	1	53	17.75	17.76	17.81	18.2	4.5	
Channel				371500	376000	380500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1922.5			
15	QPSK	1	40	21.84	21.89	21.87	22.7	0.0	
Channel				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	21.76	21.82	21.82	22.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1822.5	1880	1927.5			
5	QPSK	1	23	21.78	21.86	21.87	22.7	0.0	

n2_Ant 0									
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				1860	1880	1900			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.12	21.14	21.12			
20	QPSK	1	53	21.22	21.38	21.21	22.7	0.0	
20	QPSK	1	104	20.91	20.91	20.77			
20	QPSK	50	0	19.83	19.97	19.86	21.7	1.0	
20	QPSK	50	28	21.14	21.24	21.00	22.7	0.0	
20	QPSK	50	56	20.18	20.18	20.03			
20	QPSK	100	0	20.15	20.24	20.09	21.7	1.0	
20	16QAM	1	53	19.92	20.07	19.97	21.7	1.0	
20	64QAM	1	53	18.42	18.50	18.38	20.2	2.5	
20	256QAM	1	53	17.18	17.31	17.30	18.2	4.5	
Channel				371500	376000	380500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1922.5			
15	QPSK	1	40	21.27	21.23	21.22	22.7	0.0	
Channel				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	21.26	21.22	21.24	22.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1822.5	1880	1927.5			
5	QPSK	1	23	21.28	21.22	21.26	22.7	0.0	

n5_Ant 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				834	836.5	839			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.22	23.21	23.25			
20	QPSK	1	53	23.25	23.41	23.39	24.7	0.0	
20	QPSK	1	104	23.25	23.25	23.22			
20	QPSK	50	0	23.18	23.30	23.18	24.7	0.0	
20	QPSK	50	28	23.25	23.38	23.30	24.7	0.0	
20	QPSK	50	56	23.23	23.34	23.21			
20	QPSK	100	0	23.18	23.31	23.28	24.7	0.0	
20	16QAM	1	53	23.12	23.15	23.13	24.7	0.0	
20	64QAM	1	53	21.53	21.58	21.53	23.2	1.5	
20	256QAM	1	53	20.09	20.10	20.01	21.2	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	23.31	23.34	23.29	24.7	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	23.29	23.38	23.34	24.7	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	23	23.28	23.39	23.35	24.7	0.0	



n5_Ant 0

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								
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.10	23.15	23.12		
20	QPSK	1	53	23.16	23.31	23.16	24.7	0.0
20	QPSK	1	104	23.14	23.14	23.11		
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0
20	QPSK	50	28	23.14	23.28	23.17	24.7	0.0
20	QPSK	50	56	22.13	22.24	22.14		
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0
20	16QAM	1	53	22.11	22.16	22.12	23.7	1.0
20	64QAM	1	53	20.86	20.81	20.84	22.2	2.5
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				835.5	836.5	840.5		
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0

n7_Ant 3

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								
Frequency (MHz)				2620	2635	2650		
40	QPSK	1	1	22.27	22.42	22.31		
40	QPSK	1	108	22.93	22.96	22.88	23.7	0.0
40	QPSK	1	214	22.19	22.23	22.19		
40	QPSK	108	0	21.84	21.89	21.86	22.7	1.0
40	QPSK	108	54	22.84	22.91	22.80	23.7	0.0
40	QPSK	108	108	21.85	21.85	21.80		
40	QPSK	216	0	21.75	21.83	21.72	22.7	1.0
40	16QAM	1	108	21.89	21.76	21.86	22.7	1.0
40	64QAM	1	108	20.18	20.25	20.20	21.2	2.5
40	256QAM	1	108	18.78	18.81	18.72	19.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2215	2635	2655		
30	QPSK	1	80	22.91	22.86	22.80	23.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2635	2657.5		
25	QPSK	1	65	22.89	22.89	22.84	23.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2410	2635	2650		
20	QPSK	1	53	22.88	22.93	22.82	23.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2635	2662.5		
15	QPSK	1	40	22.88	22.87	22.86	23.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2405	2635	2665		
10	QPSK	1	26	22.89	22.86	22.81	23.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2302.5	2635	2677.5		
5	QPSK	1	23	22.88	22.88	22.79	23.7	0.0

n7_Ant 0

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								
Frequency (MHz)				2620	2635	2650		
40	QPSK	1	1	22.27	22.21	22.28		
40	QPSK	1	108	22.78	22.88	22.72	23.7	0.0
40	QPSK	1	214	22.27	22.20	22.25		
40	QPSK	108	0	21.99	21.88	21.99	22.7	1.0
40	QPSK	108	54	22.70	22.80	22.68	23.7	0.0
40	QPSK	108	108	21.84	21.89	21.88		
40	QPSK	216	0	21.68	21.79	21.69	22.7	1.0
40	16QAM	1	108	21.82	21.87	21.81	22.7	1.0
40	64QAM	1	108	19.96	20.10	19.96	21.2	2.5
40	256QAM	1	108	18.99	18.74	18.62	19.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2215	2635	2655		
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2635	2657.5		
25	QPSK	1	65	22.74	22.81	22.80	23.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2410	2635	2650		
20	QPSK	1	53	22.74	22.72	22.66	23.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2635	2662.5		
15	QPSK	1	40	22.74	22.70	22.80	23.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2405	2635	2665		
10	QPSK	1	26	22.89	22.71	22.75	23.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2302.5	2635	2677.5		
5	QPSK	1	23	22.72	22.74	22.75	23.7	0.0



n7_Ant 4									
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				505000	507000	510000			
Frequency (MHz)				2620	2635	2650			
40	QPSK	1	1	22.11	22.15	22.96			
40	QPSK	1	108	22.83	22.88	22.96	23.7	0.0	
40	QPSK	1	214	22.91	22.91	22.98			
40	QPSK	108	0	21.44	21.96	21.91	22.7	1.0	
40	QPSK	108	54	22.61	22.64	22.53	23.7	0.0	
40	QPSK	108	108	21.54	21.58	21.52			
40	QPSK	216	0	21.82	21.96	21.47	22.7	1.0	
40	16QAM	1	108	21.35	21.41	21.38	22.7	1.0	
40	16QAM	1	108	19.84	19.97	19.82	21.2	2.5	
40	256QAM	1	108	18.37	18.48	18.42	19.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2215	2235	2265			
30	QPSK	1	80	22.54	22.54	22.59	23.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	22.56	22.50	22.54	23.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2410	2435	2460			
20	QPSK	1	53	22.59	22.64	22.30	23.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	22.56	22.54	22.34	23.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	22.83	22.82	22.47	23.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	22.51	22.50	22.46	23.7	0.0	

n26_Ant 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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	23.19	23.22	23.20			
20	QPSK	1	53	23.41	23.47	23.35	24.7	0.0	
20	QPSK	1	104	23.20	23.32	23.30			
20	QPSK	50	0	23.33	23.41	23.26	24.7	0.0	
20	QPSK	50	28	23.40	23.45	23.51	24.7	0.0	
20	QPSK	50	56	23.33	23.40	23.29			
20	QPSK	100	0	23.37	23.41	23.34	24.7	0.0	
20	16QAM	1	53	23.25	23.25	23.25	24.7	0.0	
20	16QAM	1	53	21.38	21.45	21.34	23.2	1.5	
20	256QAM	1	53	19.91	20.02	19.87	21.2	3.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	23.32	23.40	23.29	24.7	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	23.35	23.42	23.29	24.7	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	23.37	23.42	23.34	24.7	0.0	

n27_Ant 0									
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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	23.21	23.22	23.20			
20	QPSK	1	53	23.53	23.40	23.31	24.7	0.0	
20	QPSK	1	104	23.34	23.32	23.25			
20	QPSK	50	0	23.25	23.30	23.28	23.7	1.0	
20	QPSK	50	28	23.30	23.39	23.20	24.7	0.0	
20	QPSK	50	56	23.25	23.28	23.28			
20	QPSK	100	0	23.28	23.33	23.25	23.7	1.0	
20	16QAM	1	53	22.20	22.27	22.25	23.7	1.0	
20	16QAM	1	53	20.72	20.75	20.73	22.2	2.5	
20	256QAM	1	53	18.99	19.07	19.04	20.2	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	23.32	23.21	23.23	24.7	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	23.32	23.20	23.25	24.7	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	23.26	23.20	23.22	24.7	0.0	



n66_Ant 3										
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				1730	1745	1760				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	21.90	22.06	22.04				
40	QPSK	1	108	22.25	22.35	22.32	23.7	0.0		
40	QPSK	1	214	22.18	22.20	22.22				
40	QPSK	108	0	22.19	22.25	22.21	23.7	0.0		
40	QPSK	108	54	22.25	22.34	22.25	23.7	0.0		
40	QPSK	108	108	22.20	22.31	22.24				
40	QPSK	216	0	22.17	22.23	22.22	23.7	0.0		
40	16QAM	1	108	22.46	22.48	21.83	23.7	0.0		
40	64QAM	1	108	20.37	20.50	20.49	22.2	1.5		
40	256QAM	1	108	19.17	19.26	19.25	20.2	3.5		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	22.15	22.32	22.27	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	22.13	22.31	22.26	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	22.14	22.29	22.27	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	22.16	22.27	22.28	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	22.14	22.32	22.26	0.0	0.0		

n66_Ant 0										
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				1730	1745	1760				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	22.21	22.20	22.27				
40	QPSK	1	108	22.15	22.85	22.75	23.7	0.0		
40	QPSK	1	214	22.24	22.24	22.24				
40	QPSK	108	0	21.83	21.89	21.59	22.7	1.0		
40	QPSK	108	54	22.65	22.85	22.65	23.7	0.0		
40	QPSK	108	108	21.78	21.87	21.76				
40	QPSK	216	0	21.59	21.73	21.58	22.7	1.0		
40	16QAM	1	108	21.46	21.54	21.46	22.7	1.0		
40	64QAM	1	108	20.06	20.10	20.10	21.2	2.5		
40	256QAM	1	108	18.75	18.83	18.80	19.2	4.5		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	22.12	22.34	22.15	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	22.63	22.69	22.67	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	22.67	22.69	22.67	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	22.66	22.77	22.63	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	22.63	22.80	22.62	0.0	0.0		

n66_Ant 4										
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				1730	1745	1760				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	22.49	22.52	22.40				
40	QPSK	1	108	22.52	22.53	22.44	23.7	0.0		
40	QPSK	1	214	22.39	22.41	22.38				
40	QPSK	108	0	22.15	22.21	22.10	22.7	1.0		
40	QPSK	108	54	22.46	22.51	22.39	23.7	0.0		
40	QPSK	108	108	22.26	22.41	22.29				
40	QPSK	216	0	22.27	22.32	22.28	22.7	1.0		
40	16QAM	1	108	22.06	22.10	21.98	22.7	1.0		
40	64QAM	1	108	20.41	20.52	20.44	21.2	2.5		
40	256QAM	1	108	19.00	19.12	18.99	19.2	4.5		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	22.36	22.52	22.30	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	22.32	22.49	22.25	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	22.21	22.52	22.25	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	22.34	22.49	22.30	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	22.28	22.52	22.29	0.0	0.0		



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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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	22.93	23.03	23.91	25.2	0.0	
40	QPSK	1	53	23.61	23.62	23.61			
40	QPSK	1	104	23.04	23.08	23.96			
40	QPSK	50	0	22.32	22.41	22.34	24.2	1.0	
40	QPSK	50	28	23.54	23.56	23.54	25.2	0.0	
40	QPSK	50	56	22.45	22.45	22.31	24.2	1.0	
40	QPSK	100	0	22.36	22.42	22.41			
40	16QAM	1	53	22.29	22.35	22.34	24.2	1.0	
40	64QAM	1	53	20.80	20.86	20.86	22.7	2.5	
40	256QAM	1	53	19.39	19.51	19.37	20.7	4.5	
Channel									
Frequency (MHz)				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.55	23.59	23.57	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.83	23.89	23.89	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.56	23.83	23.84	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.55	23.83	23.85	25.2	0.0	

n38_Ant 0									
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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	23.22	23.32	23.30	25.2	0.0	
40	QPSK	1	53	23.59	23.62	23.53			
40	QPSK	1	104	23.55	23.57	23.50			
40	QPSK	50	0	22.59	22.70	22.59	24.7	0.5	
40	QPSK	50	28	23.41	23.51	23.41	25.2	0.0	
40	QPSK	50	56	22.63	22.73	22.66	24.7	0.5	
40	QPSK	100	0	22.90	22.97	22.96			
40	16QAM	1	53	22.62	22.67	22.59	24.7	0.5	
40	64QAM	1	53	21.18	21.20	21.18	23.2	2.0	
40	256QAM	1	53	19.69	19.75	19.70	21.2	4.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.51	23.54	23.55	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.43	23.42	23.41	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.51	23.84	23.80	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.44	23.41	23.46	25.2	0.0	

n38_Ant 4									
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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	22.70	22.80	22.66	25.2	0.0	
40	QPSK	1	53	23.22	23.35	23.31			
40	QPSK	1	104	22.73	22.77	22.65			
40	QPSK	50	0	21.98	22.12	22.05			
40	QPSK	50	28	23.25	23.27	23.25	25.2	0.0	
40	QPSK	50	56	22.00	22.15	22.10			
40	QPSK	100	0	22.25	22.26	22.24	24.2	1.0	
40	16QAM	1	53	21.93	22.00	21.86	24.2	1.0	
40	64QAM	1	53	20.50	20.62	20.47	22.7	2.5	
40	256QAM	1	53	19.03	19.18	19.04	20.7	4.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.32	23.31	23.31	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.24	23.27	23.23	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.28	23.29	23.27	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.24	23.31	23.22	25.2	0.0	



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	21.88	21.94	21.89		
100	QPSK	1	137	21.90	21.95	21.91	23.2	0.0
100	QPSK	1	271	21.81	21.86	21.83		
100	QPSK	135	0	21.81	21.86	21.89	23.2	0.0
100	QPSK	135	69	21.86	21.91	21.90	23.2	0.0
100	QPSK	135	138	21.84	21.83	21.84		
100	QPSK	270	0	21.80	21.86	21.85	23.2	0.0
100	16QAM	1	137	21.86	21.85	21.85	23.2	0.0
100	64QAM	1	137	21.83	21.86	21.81	23.2	0.0
100	256QAM	1	137	20.82	20.86	20.85	21.7	1.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	21.83	21.84	21.89	23.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2640.98		
80	QPSK	1	109	21.82	21.85	21.87	23.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	21.86	21.82	21.87	23.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.82	21.82	21.86	23.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	21.87	21.84	21.83	23.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	21.87	21.85	21.84	23.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.84	21.89	21.86	23.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	21.82	21.86	21.84	23.2	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	23.80	23.82	23.68		
100	QPSK	1	137	24.80	24.91	24.68	26.2	0.0
100	QPSK	1	271	23.74	23.78	23.68		
100	QPSK	135	0	23.91	23.91	23.91	26.2	1.0
100	QPSK	135	69	24.76	24.86	24.76	26.2	0.0
100	QPSK	135	138	23.78	23.89	23.85		
100	QPSK	270	0	23.82	23.87	23.86	26.2	1.0
100	16QAM	1	137	23.73	23.85	23.70	26.2	1.0
100	64QAM	1	137	22.36	22.38	22.24	23.7	2.5
100	256QAM	1	137	20.86	20.71	20.70	21.7	4.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	24.80	24.88	24.84	26.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	24.88	24.84	24.87	26.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	24.87	24.88	24.81	26.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.80	24.85	24.87	26.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.87	24.93	24.83	26.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.84	24.83	24.82	26.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	24.86	24.87	24.83	26.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	24.84	24.86	24.85	26.2	0.0

n41_Ant 0

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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	21.39	21.47	21.27		
100	QPSK	1	137	21.41	21.52	21.35	23.2	0.0
100	QPSK	1	271	21.33	21.49	21.30		
100	QPSK	135	0	21.34	21.49	21.18	23.2	0.0
100	QPSK	135	69	21.40	21.48	21.36	23.2	0.0
100	QPSK	135	138	21.37	21.43	21.34		
100	QPSK	270	0	21.32	21.39	21.24	23.2	0.0
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0
100	64QAM	1	137	21.31	21.42	21.19	23.2	0.0
100	256QAM	1	137	20.21	20.23	20.19	21.7	1.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	21.35	21.43	21.17	23.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	21.31	21.41	21.24	23.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	21.33	21.44	21.20	23.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	21.39	21.42	21.20	23.2	0.0



n41_Ant_0_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.19	23.25	23.11	26.2	0.0	
100	QPSK	1	137	24.36	24.45	24.41			
100	QPSK	1	271	23.11	23.17	23.10			
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0	
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0	
100	QPSK	135	138	23.32	23.33	23.25			
100	QPSK	270	0	23.10	23.13	23.01	25.2	1.0	
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0	
100	64QAM	1	137	21.63	21.70	21.36	23.7	2.5	
100	256QAM	1	137	20.25	20.29	20.20	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.28	24.41	23.82	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.15	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.19	24.38	23.78	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.22	24.27	23.78	26.2	0.0	

n41_Ant_4									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	21.55	21.59	21.60	23.2	0.0	
100	QPSK	1	137	21.63	21.65	21.61			
100	QPSK	1	271	21.57	21.56	21.54			
100	QPSK	135	0	21.49	21.54	21.47	23.2	0.0	
100	QPSK	135	69	21.36	21.36	21.36	23.2	0.0	
100	QPSK	135	138	21.46	21.48	21.50			
100	QPSK	270	0	21.51	21.55	21.46	23.2	0.0	
100	16QAM	1	137	21.52	21.53	21.52	23.2	0.0	
100	64QAM	1	137	21.46	21.47	21.51	23.2	0.0	
100	256QAM	1	137	20.11	20.15	20.06	21.2	2.0	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.54	21.53	21.54	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	21.50	21.47	21.49	23.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.54	21.50	21.48	23.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.53	21.53	21.51	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.47	21.49	21.50	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.50	21.49	21.54	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.46	21.47	21.47	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	21.52	21.52	21.50	23.2	0.0	

n41_Ant_4_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.65	23.60	23.65	26.2	0.0	
100	QPSK	1	137	24.37	24.39	24.36			
100	QPSK	1	271	23.64	23.67	23.60			
100	QPSK	135	0	23.61	23.61	22.98	25.2	1.0	
100	QPSK	135	69	24.25	24.37	24.26	26.2	0.0	
100	QPSK	135	138	23.68	23.20	23.13			
100	QPSK	270	0	23.03	23.27	23.01	25.2	1.0	
100	16QAM	1	137	23.20	23.22	23.21	25.2	1.0	
100	64QAM	1	137	21.63	21.73	21.71	23.7	2.5	
100	256QAM	1	137	20.27	20.37	20.30	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.30	24.31	24.32	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	24.25	24.21	24.20	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.26	24.29	24.32	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.30	24.23	24.32	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.25	24.27	24.26	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.29	24.26	24.28	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.24	24.26	24.28	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.27	24.27	24.31	26.2	0.0	



Reduced Power for DSI 1

n2_Ant 3									
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				375000	376000	380500			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	19.58	19.67	19.72			
20	QPSK	1	53	19.73	19.84	19.97	20.7	0.0	
20	QPSK	1	104	19.88	19.76	19.73			
20	QPSK	50	0	19.89	19.72	19.80	20.7	0.0	
20	QPSK	50	28	19.70	19.82	19.81	20.7	0.0	
20	QPSK	50	56	19.68	19.78	19.80			
20	QPSK	100	0	19.70	19.79	19.76	20.7	0.0	
20	16QAM	1	53	19.70	19.76	19.78	20.7	0.0	
20	64QAM	1	53	19.18	19.26	19.29	20.2	0.5	
20	256QAM	1	53	17.71	17.74	17.76	18.2	2.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1922.5			
15	QPSK	1	40	19.71	19.87	19.75	20.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	19.62	19.84	19.82	20.7	0.0	
Channel				375500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1822.5	1880	1927.5			
5	QPSK	1	23	19.84	19.84	19.73	20.7	0.0	

n2_Ant 0									
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				372000	376000	380500			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	19.70	19.78	19.83			
20	QPSK	1	53	19.74	19.84	19.70	21.2	0.0	
20	QPSK	1	104	19.80	19.72	19.83			
20	QPSK	50	0	19.80	19.75	19.89	21.2	0.0	
20	QPSK	50	28	19.69	19.78	19.72	21.2	0.0	
20	QPSK	50	56	19.68	19.70	19.81			
20	QPSK	100	0	19.70	19.75	19.83	21.2	0.0	
20	16QAM	1	53	19.86	19.73	19.84	21.2	0.0	
20	64QAM	1	53	18.89	18.73	18.82	20.2	1.0	
20	256QAM	1	53	16.79	16.84	16.80	18.2	3.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1922.5			
15	QPSK	1	40	19.67	19.78	19.82	21.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	19.61	19.82	19.57	21.2	0.0	
Channel				375500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1822.5	1880	1927.5			
5	QPSK	1	23	19.70	19.78	19.83	21.2	0.0	

n5_Ant 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				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	21.21	21.37	21.22			
20	QPSK	1	53	21.27	21.38	21.33			
20	QPSK	1	104	21.24	21.34	21.21	22.7	0.0	
20	QPSK	50	0	21.20	21.30	21.21	22.7	0.0	
20	QPSK	50	28	21.25	21.36	21.24	22.7	0.0	
20	QPSK	50	56	21.18	21.32	21.21			
20	QPSK	100	0	21.23	21.33	21.32	22.7	0.0	
20	16QAM	1	53	21.33	21.27	21.32	22.7	0.0	
20	64QAM	1	53	21.33	21.34	21.24	22.7	0.0	
20	256QAM	1	53	20.27	20.32	20.22	21.2	1.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	21.33	21.30	21.28	22.7	0.0	
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	21.21	21.34	21.34	22.7	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	845.5			
5	QPSK	1	23	21.21	21.31	21.31	22.7	0.0	



n5_Ant 0									
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				165000	167000	169000			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.10	23.15	23.12			
20	QPSK	1	53	23.16	23.31	23.27	24.7	0.0	
20	QPSK	1	104	23.14	23.14	23.11			
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0	
20	QPSK	50	28	23.14	23.28	23.18	24.7	0.0	
20	QPSK	50	56	22.13	22.24	22.14			
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0	
20	16QAM	1	53	22.11	22.16	22.12	23.7	1.0	
20	64QAM	1	53	20.86	20.81	20.84	22.2	2.5	
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0	
Channel				165000	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				835.5	836.5	840.5			
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0	

n7_Ant 3									
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				504000	507000	510000			
Frequency (MHz)				2620	2635	2650			
40	QPSK	1	1	17.28	17.32	17.32			
40	QPSK	1	108	17.39	17.42	17.35	18.2	0.0	
40	QPSK	1	214	17.30	17.39	17.24			
40	QPSK	108	0	17.35	17.38	17.31	18.2	0.0	
40	QPSK	108	54	17.36	17.40	17.34	18.2	0.0	
40	QPSK	108	108	17.34	17.31	17.27			
40	QPSK	216	0	17.34	17.35	17.26	18.2	0.0	
40	16QAM	1	108	17.38	17.33	17.36	18.2	0.0	
40	64QAM	1	108	17.28	17.40	17.23	18.2	0.0	
40	256QAM	1	108	17.35	17.39	17.30	18.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2635	2655			
30	QPSK	1	80	17.37	17.34	17.27	18.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2635	2657.5			
25	QPSK	1	65	17.41	17.38	17.31	18.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2635	2660			
20	QPSK	1	53	17.38	17.30	17.25	18.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2635	2662.5			
15	QPSK	1	40	17.28	17.32	17.28	18.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2635	2665			
10	QPSK	1	26	17.29	17.38	17.31	18.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2635	2667.5			
5	QPSK	1	23	17.32	17.34	17.29	18.2	0.0	

n7_Ant 0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.47	19.43	19.42			
40	QPSK	1	108	19.49	19.54	19.43	20.2	0.0	
40	QPSK	1	214	19.43	19.50	19.34			
40	QPSK	108	0	19.43	19.47	19.38	20.2	0.0	
40	QPSK	108	54	19.45	19.51	19.40	20.2	0.0	
40	QPSK	108	108	19.39	19.48	19.34			
40	QPSK	216	0	19.49	19.50	19.37	20.2	0.0	
40	16QAM	1	108	19.38	19.50	19.44	20.2	0.0	
40	64QAM	1	108	19.39	19.46	19.47	20.2	0.0	
40	256QAM	1	108	18.51	18.41	18.42	19.2	1.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	19.45	19.53	19.34	20.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	19.44	19.44	19.34	20.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	19.48	19.43	19.38	20.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	19.36	19.46	19.41	20.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	19.46	19.42	19.38	20.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	19.48	19.47	19.32	20.2	0.0	



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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								
Frequency (MHz)				2920	2935	2950		
40	QPSK	1	1	18.50	18.62	18.57		
40	QPSK	1	108	18.64	18.66	18.59	19.7	0.0
40	QPSK	1	214	18.62	18.59	18.53		
40	QPSK	108	0	18.57	18.60	18.56	19.7	0.0
40	QPSK	108	54	18.61	18.62	18.58		
40	QPSK	108	108	18.58	18.57	18.58	19.7	0.0
40	QPSK	216	0	18.49	18.58	18.57		
40	16QAM	1	108	18.60	18.60	18.56	19.7	0.0
40	16QAM	1	108	18.58	18.58	18.63	19.7	0.0
40	256QAM	1	108	18.56	18.62	18.60	19.2	0.5
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	80	2215	2235	2255	19.7	0.0
Channel								
Frequency (MHz)				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	18.54	18.61	18.57	19.7	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	18.49	18.64	18.58	19.7	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	18.56	18.57	18.58	19.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	18.61	18.65	18.53	19.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	18.56	18.59	18.54	19.7	0.0

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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								
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	21.30	21.37	21.32		
20	QPSK	1	53	21.40	21.45	21.42	22.7	0.0
20	QPSK	1	104	21.39	21.40	21.27		
20	QPSK	50	0	21.35	21.41	21.29	22.7	0.0
20	QPSK	50	26	21.39	21.42	21.54		
20	QPSK	50	56	21.38	21.38	21.21	22.7	0.0
20	QPSK	100	0	21.36	21.38	21.27		
20	16QAM	1	53	21.37	21.40	21.20	22.7	0.0
20	16QAM	1	53	21.26	21.32	21.30	22.7	0.0
20	256QAM	1	53	19.99	20.05	19.90	21.2	1.5
Channel								
Frequency (MHz)				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	40	21.29	21.38	21.24	22.7	0.0
Channel								
Frequency (MHz)				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	26	21.26	21.41	21.31	22.7	0.0
Channel								
Frequency (MHz)				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	23	21.38	21.40	21.26	22.7	0.0

n27_Ant 0

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								
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	23.21	23.22	23.20		
20	QPSK	1	53	23.23	23.40	23.21	24.7	0.0
20	QPSK	1	104	23.24	23.32	23.25		
20	QPSK	50	0	22.25	22.30	22.28	23.7	1.0
20	QPSK	50	26	23.30	23.39	23.20		
20	QPSK	50	56	22.25	22.28	22.28	23.7	1.0
20	QPSK	100	0	22.28	22.33	22.25		
20	16QAM	1	53	22.20	22.27	22.25	23.7	1.0
20	16QAM	1	53	20.72	20.75	20.73	22.2	2.5
20	256QAM	1	53	18.99	19.07	19.04	20.2	4.5
Channel								
Frequency (MHz)				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	40	23.22	23.21	23.23	24.7	0.0
Channel								
Frequency (MHz)				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	26	23.22	23.20	23.25	24.7	0.0
Channel								
Frequency (MHz)				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	23	23.26	23.20	23.22	24.7	0.0



n66_Ant 3										
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				345000	349000	353000				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	21.64	21.72	21.71				
40	QPSK	1	108	21.77	21.82	21.79	23.2	0.0		
40	QPSK	1	214	21.72	21.78	21.73				
40	QPSK	108	0	21.65	21.72	21.67	23.2	0.0		
40	QPSK	108	54	21.70	21.81	21.74	23.2	0.0		
40	QPSK	108	108	21.68	21.80	21.88				
40	QPSK	216	0	21.67	21.78	21.72	23.2	0.0		
40	16QAM	1	108	21.84	21.71	21.67	23.2	0.0		
40	64QAM	1	108	20.68	20.78	20.76	22.2	1.0		
40	256QAM	1	108	18.65	18.71	18.81	20.2	3.0		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	21.74	21.79	21.71	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	21.69	21.78	21.70	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	21.71	21.74	21.79	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	21.66	21.72	21.70	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	21.77	21.73	21.70	0.0	0.0		

n66_Ant 0										
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				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	20.60	20.81	20.68				
40	QPSK	1	108	20.75	20.87	20.74	21.7	0.0		
40	QPSK	1	214	20.67	20.76	20.69				
40	QPSK	108	0	20.58	20.72	20.68	21.7	0.0		
40	QPSK	108	54	20.72	20.79	20.70	21.7	0.0		
40	QPSK	108	108	20.70	20.78	20.61				
40	QPSK	216	0	20.65	20.75	20.70	21.7	0.0		
40	16QAM	1	108	20.62	20.84	20.83	21.7	0.0		
40	64QAM	1	108	20.11	20.34	20.22	21.2	0.5		
40	256QAM	1	108	18.18	18.23	18.15	19.2	2.5		
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	20.65	20.76	20.62	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	20.59	20.88	20.72	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	20.72	20.79	20.62	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	20.61	20.73	20.58	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	20.60	20.78	20.63	0.0	0.0		

n66_Ant 4										
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				346000	349000	352000				
Frequency (MHz)				1730	1745	1760				
40	QPSK	1	1	20.78	20.82	20.77				
40	QPSK	1	108	20.90	20.91	20.85	22.2	0.0		
40	QPSK	1	214	20.87	20.86	20.77				
40	QPSK	108	0	20.77	20.87	20.80	22.2	0.0		
40	QPSK	108	54	20.87	20.88	20.83	22.2	0.0		
40	QPSK	108	108	20.81	20.87	20.74				
40	QPSK	216	0	20.86	20.87	20.71	22.2	0.0		
40	16QAM	1	108	20.63	20.61	20.58	22.2	0.0		
40	64QAM	1	108	20.70	20.58	20.58	21.2	1.0		
40	256QAM	1	108	18.17	18.15	18.05	19.2	3.0		
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	80	20.65	20.88	20.75	0.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	53	20.79	20.90	20.78	0.0	0.0		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	40	20.79	20.78	20.72	0.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	26	20.86	20.81	20.81	0.0	0.0		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	23	20.76	20.89	20.73	0.0	0.0		



n38_Ant 3									
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				516004	516000	516996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	17.40	17.40	17.45			
40	QPSK	1	53	17.59	17.64	17.62	19.2	0.0	
40	QPSK	1	104	17.35	17.46	17.43			
40	QPSK	50	0	17.51	17.51	17.48	19.2	0.0	
40	QPSK	50	26	17.36	17.51	17.59	19.2	0.0	
40	QPSK	50	56	17.56	17.58	17.55	19.2	0.0	
40	QPSK	100	0	17.57	17.59	17.47			
40	16QAM	1	53	17.57	17.55	17.53	19.2	0.0	
40	64QAM	1	53	17.46	17.49	17.50	19.2	0.0	
40	256QAM	1	53	17.43	17.47	17.46	19.2	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	17.47	17.49	17.51	19.2	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	17.47	17.59	17.50	19.2	0.0	
Channel				516502	516000	524998			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	17.58	17.47	17.51	19.2	0.0	
Channel				516504	516000	523996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	17.60	17.49	17.46	19.2	0.0	

n38_Ant 0									
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				516004	516000	516996			
Frequency (MHz)				2098.02	2095	2099.98			
40	QPSK	1	1	20.08	20.06	19.97			
40	QPSK	1	53	20.10	20.15	20.04	21.7	0.0	
40	QPSK	1	104	20.08	20.09	19.95			
40	QPSK	50	0	20.05	20.05	19.93	21.7	0.0	
40	QPSK	50	26	20.06	20.07	19.94	21.7	0.0	
40	QPSK	50	56	20.05	20.05	19.91	21.7	0.0	
40	QPSK	100	0	20.00	20.05	19.93			
40	16QAM	1	53	19.98	19.99	19.89	21.7	0.0	
40	64QAM	1	53	20.02	19.99	19.85	21.7	0.0	
40	256QAM	1	53	19.90	19.72	19.81	21.2	0.5	
Channel				517002	516000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	19.99	19.91	19.81	21.7	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	19.98	19.97	19.79	21.7	0.0	
Channel				516502	516000	524998			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	19.93	19.92	19.93	21.7	0.0	
Channel				516504	516000	523996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	19.92	20.00	19.90	21.7	0.0	

n38_Ant 4									
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				516004	516000	516996			
Frequency (MHz)				2595.02	2595	2599.98			
40	QPSK	1	1	17.71	17.70	17.68			
40	QPSK	1	53	17.84	17.93	17.84	19.7	0.0	
40	QPSK	1	104	17.70	17.80	17.80			
40	QPSK	50	0	17.79	17.83	17.72			
40	QPSK	50	26	17.81	17.87	17.81	19.7	0.0	
40	QPSK	50	56	17.73	17.81	17.69			
40	QPSK	100	0	17.78	17.84	17.82	19.7	0.0	
40	16QAM	1	53	17.87	17.87	17.72	19.7	0.0	
40	64QAM	1	53	17.76	17.77	17.82	19.7	0.0	
40	256QAM	1	53	17.84	17.89	17.75	19.7	0.0	
Channel				517002	516000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	17.82	17.78	17.81	19.7	0.0	
Channel				516000	516000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	17.85	17.83	17.73	19.7	0.0	
Channel				516502	516000	524998			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	17.74	17.81	17.73	19.7	0.0	
Channel				516504	516000	523996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	17.80	17.91	17.74	19.7	0.0	



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	15.38	15.46	15.38			
100	QPSK	1	137	15.52	15.53	15.44	16.7	0.0	
100	QPSK	1	271	15.38	15.35	15.33			
100	QPSK	135	0	15.42	15.49	15.30	16.7	0.0	
100	QPSK	135	69	15.41	15.50	15.34	16.7	0.0	
100	QPSK	135	138	15.33	15.48	15.39			
100	QPSK	270	0	15.35	15.39	15.33	16.7	0.0	
100	16QAM	1	137	15.34	15.34	15.35	16.7	0.0	
100	64QAM	1	137	15.36	15.49	15.38	16.7	0.0	
100	256QAM	1	137	15.42	15.37	15.31	16.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	15.41	15.40	15.36	16.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.39	15.42	15.36	16.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	15.45	15.48	15.33	16.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.44	15.40	15.31	16.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	15.42	15.38	15.33	16.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.47	15.41	15.30	16.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.40	15.48	15.39	16.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.47	15.39	15.31	16.7	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	18.44	18.54	18.49			
100	QPSK	1	137	18.57	18.64	18.57	19.7	0.0	
100	QPSK	1	271	18.50	18.49	18.44			
100	QPSK	135	0	18.54	18.59	18.43	19.7	0.0	
100	QPSK	135	69	18.36	18.60	18.36	19.7	0.0	
100	QPSK	135	138	18.42	18.58	18.44			
100	QPSK	270	0	18.47	18.48	18.47	19.7	0.0	
100	16QAM	1	137	18.44	18.47	18.44	19.7	0.0	
100	64QAM	1	137	18.50	18.54	18.43	19.7	0.0	
100	256QAM	1	137	18.50	18.51	18.45	19.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	18.36	18.53	18.37	19.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	18.42	18.44	18.46	19.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	18.36	18.47	18.36	19.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.44	18.41	18.45	19.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.39	18.47	18.34	19.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.37	18.46	18.46	19.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	18.43	18.45	18.32	19.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.37	18.41	18.36	19.7	0.0	

n41_Ant 0									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	16.97	16.98	16.93			
100	QPSK	1	137	17.05	17.26	17.05	18.7	0.0	
100	QPSK	1	271	17.01	17.03	16.94			
100	QPSK	135	0	17.00	17.10	16.88	18.7	0.0	
100	QPSK	135	69	17.03	17.14	17.05	18.7	0.0	
100	QPSK	135	138	16.97	17.05	16.83			
100	QPSK	270	0	16.86	17.09	16.95	18.7	0.0	
100	16QAM	1	137	16.94	17.05	16.87	18.7	0.0	
100	64QAM	1	137	16.91	17.06	16.93	18.7	0.0	
100	256QAM	1	137	17.01	17.06	16.95	18.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	17.04	17.17	16.94	18.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	17.01	17.17	17.04	18.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	16.96	17.21	17.04	18.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	17.03	17.16	17.01	18.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	16.95	17.18	17.02	18.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	17.00	17.19	17.00	18.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	16.94	17.11	16.95	18.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	17.00	17.17	16.96	18.7	0.0	



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2642		
100	QPSK	1	1	20.12	20.11	20.08		
100	QPSK	1	137	20.23	20.32	20.19	22.2	0.0
100	QPSK	1	271	20.06	20.16	20.05		
100	QPSK	135	0	20.11	20.21	20.01	22.2	0.0
100	QPSK	135	69	20.15	20.25	20.05	22.2	0.0
100	QPSK	135	138	20.04	20.19	19.96		
100	QPSK	270	0	19.99	20.20	20.02	22.2	0.0
100	16QAM	1	137	20.01	20.16	20.01	22.2	0.0
100	64QAM	1	137	20.00	20.21	20.01	22.2	0.0
100	256QAM	1	137	20.10	20.11	20.04	21.7	0.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	20.03	20.13	19.98	22.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	20.02	20.21	20.08	22.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	20.06	20.11	19.96	22.2	0.0
Channel								
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	20.12	20.21	19.99	22.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	20.09	20.23	19.98	22.2	0.0
Channel								
Frequency (MHz)				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	20.11	20.17	19.94	22.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	20.01	20.21	20.02	22.2	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	26	20.03	20.21	20.03	22.2	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2642		
100	QPSK	1	1	15.98	15.90	15.90		
100	QPSK	1	137	16.02	16.15	16.02	17.7	0.0
100	QPSK	1	271	15.99	15.99	15.98		
100	QPSK	135	0	15.89	15.98	15.84	17.7	0.0
100	QPSK	135	69	15.95	16.07	15.95	17.7	0.0
100	QPSK	135	138	15.96	15.91	15.94		
100	QPSK	270	0	15.91	15.93	15.92	17.7	0.0
100	16QAM	1	137	15.92	15.96	15.98	17.7	0.0
100	64QAM	1	137	15.97	15.91	15.99	17.7	0.0
100	256QAM	1	137	16.02	16.10	16.00	17.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	15.82	16.00	15.81	17.7	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	15.83	15.93	15.82	17.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	15.77	16.00	15.84	17.7	0.0
Channel								
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	15.78	15.97	15.86	17.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	15.78	15.93	15.85	17.7	0.0
Channel								
Frequency (MHz)				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	15.83	15.92	15.85	17.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	15.82	15.97	15.87	17.7	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	26	15.88	15.95	15.79	17.7	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2642		
100	QPSK	1	1	18.78	18.70	18.70		
100	QPSK	1	137	18.80	18.85	18.70	20.7	0.0
100	QPSK	1	271	18.79	18.79	18.78		
100	QPSK	135	0	18.49	18.78	18.44	20.7	0.0
100	QPSK	135	69	18.77	18.79	18.75	20.7	0.0
100	QPSK	135	138	18.76	18.71	18.74		
100	QPSK	270	0	18.71	18.73	18.72	20.7	0.0
100	16QAM	1	137	18.72	18.76	18.78	20.7	0.0
100	64QAM	1	137	18.77	18.71	18.79	20.7	0.0
100	256QAM	1	137	18.82	18.75	18.80	20.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	18.72	18.70	18.71	20.7	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	18.73	18.73	18.72	20.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	18.72	18.70	18.74	20.7	0.0
Channel								
Frequency (MHz)				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.72	18.72	18.71	20.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	18.74	18.70	18.74	20.7	0.0
Channel								
Frequency (MHz)				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	18.73	18.72	18.75	20.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	18.72	18.74	18.77	20.7	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	26	18.75	18.75	18.70	20.7	0.0



Reduced Power for DSI 2

n2_Ant 3									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	17.45	17.48	17.47			
20	QPSK	1	53	17.55	17.57	17.52	18.2	0.0	
20	QPSK	1	104	17.52	17.54	17.51			
20	QPSK	50	0	17.83	17.83	17.46	18.2	0.0	
20	QPSK	50	28	17.54	17.56	17.51			
20	QPSK	50	56	17.41	17.47	17.50	18.2	0.0	
20	QPSK	100	0	17.82	17.86	17.44			
20	16QAM	1	53	17.20	17.37	17.34	18.2	0.0	
20	16QAM	1	53	17.20	17.37	17.36	18.2	0.0	
20	256QAM	1	53	17.43	17.53	17.43	18.2	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1827.5	1880	1922.5	18.2	0.0	
Channel									
Frequency (MHz)				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	1855	1880	1905	18.2	0.0	
Channel									
Frequency (MHz)				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	17.94	17.46	17.53	18.2	0.0	

n2_Ant 0									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.12	21.14	21.12			
20	QPSK	1	53	21.22	21.35	21.21	22.7	0.0	
20	QPSK	1	104	20.91	20.91	20.77			
20	QPSK	50	0	19.83	19.97	19.86	21.7	1.0	
20	QPSK	50	28	21.14	21.24	21.23	22.7	0.0	
20	QPSK	50	56	20.18	20.18	20.03			
20	QPSK	100	0	20.15	20.24	20.09	21.7	1.0	
20	16QAM	1	53	18.92	20.07	19.97	21.7	1.0	
20	16QAM	1	53	18.42	18.50	18.38	20.2	2.5	
20	256QAM	1	53	17.18	17.31	17.30	18.2	4.5	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	2127	2123	2122	22.7	0.0	
Channel									
Frequency (MHz)				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	2126	2122	2124	22.7	0.0	
Channel									
Frequency (MHz)				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	2128	2122	2126	22.7	0.0	

n5_Ant 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									
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	19.75	19.89	19.72			
20	QPSK	1	53	19.83	19.90	19.85	21.2	0.0	
20	QPSK	1	104	19.81	19.76	19.79			
20	QPSK	50	0	19.81	19.77	19.72	21.2	0.0	
20	QPSK	50	28	19.82	19.90	19.81			
20	QPSK	50	56	19.79	19.80	19.74	21.2	0.0	
20	QPSK	100	0	19.75	19.87	19.73			
20	16QAM	1	53	19.72	19.79	19.84	21.2	0.0	
20	16QAM	1	53	19.81	19.88	19.80	21.2	0.0	
20	256QAM	1	53	19.75	19.85	19.84	21.2	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	831.5	836.5	841.5	21.2	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	829	836.5	844	21.2	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	19.73	19.79	19.84	21.2	0.0	



n5_Ant 0

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								
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.10	23.15	23.12		
20	QPSK	1	53	23.15	23.31	23.19	24.7	0.0
20	QPSK	1	104	23.14	23.14	23.11		
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0
20	QPSK	50	26	23.14	23.28	23.17	24.7	0.0
20	QPSK	50	56	22.13	22.24	22.14	23.7	1.0
20	QPSK	100	0	22.14	22.16	22.12		
20	16QAM	1	53	22.11	22.19	22.12	23.7	1.0
20	16QAM	1	53	20.86	20.81	20.84	22.2	2.5
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5
Channel								
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	40	831.5	836.5	841.5	24.7	0.0
Channel								
Frequency (MHz)				165500	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0
Channel								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0

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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								
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.10	16.08	16.05		
40	QPSK	1	108	16.11	16.16	16.06	16.7	0.0
40	QPSK	1	214	16.08	16.07	16.03		
40	QPSK	108	0	16.08	16.10	15.94	16.7	0.0
40	QPSK	108	54	16.10	16.15	16.05	16.7	0.0
40	QPSK	108	108	16.04	16.07	15.97	16.7	0.0
40	QPSK	216	0	16.08	16.09	16.02	16.7	0.0
40	16QAM	1	108	16.01	16.03	16.03	16.7	0.0
40	16QAM	1	108	16.11	16.11	16.07	16.7	0.0
40	256QAM	1	108	16.03	16.09	16.07	16.7	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	80	2515	2535	2555	16.7	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	16.04	16.08	15.99	16.7	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	16.03	16.12	15.98	16.7	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	15.99	16.10	15.93	16.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	15.99	16.09	16.00	16.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	16.04	16.12	15.95	16.7	0.0

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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								
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.27	22.21	22.28		
40	QPSK	1	108	22.76	22.88	22.72	23.7	0.0
40	QPSK	1	214	22.27	22.20	22.25		
40	QPSK	108	0	21.89	21.86	21.89	22.7	1.0
40	QPSK	108	54	22.70	22.80	22.68	23.7	0.0
40	QPSK	108	108	21.84	21.89	21.88	22.7	1.0
40	QPSK	216	0	21.85	21.79	21.85		
40	16QAM	1	108	21.82	21.87	21.81	22.7	1.0
40	16QAM	1	108	19.95	20.10	19.95	21.2	2.5
40	256QAM	1	108	18.99	18.74	18.62	19.2	4.5
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2557.5		
25	QPSK	1	65	22.74	22.81	22.80	23.7	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	22.74	22.72	22.65	23.7	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.74	22.79	22.80	23.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.89	22.71	22.75	23.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	22.72	22.74	22.75	23.7	0.0



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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				2920	2935	2950			
Frequency (MHz)				19.10	19.07	19.04			
40	QPSK	1	1	19.14	19.17	19.20	20.2	0.0	
40	QPSK	1	214	19.12	19.16	19.07			
40	QPSK	108	0	19.08	19.10	19.00	20.2	0.0	
40	QPSK	108	54	19.10	19.12	19.05	20.2	0.0	
40	QPSK	108	108	19.01	19.06	19.04	20.2	0.0	
40	QPSK	216	0	19.07	19.10	19.02	20.2	0.0	
40	16QAM	1	108	19.12	19.16	19.08	20.2	0.0	
40	16QAM	1	108	19.02	19.16	19.13	20.2	0.0	
40	256QAM	1	108	19.05	19.13	19.05	19.2	1.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	20.2	0.0	
39	QPSK	1	80	19.08	19.16	19.11	20.2	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	20.2	0.0	
25	QPSK	1	65	19.01	19.07	19.15	20.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	20.2	0.0	
20	QPSK	1	53	19.01	19.16	19.14	20.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.2	0.0	
15	QPSK	1	40	19.06	19.14	19.10	20.2	0.0	
Channel				501500	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.2	0.0	
10	QPSK	1	26	19.04	19.04	19.01	20.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	20.2	0.0	
5	QPSK	1	21	19.08	19.16	19.03	20.2	0.0	

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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				156800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	19.88	19.90	19.74	21.2	0.0	
20	QPSK	1	53	19.92	19.94	19.91	21.2	0.0	
20	QPSK	1	104	19.87	19.86	19.79	21.2	0.0	
20	QPSK	50	0	19.77	19.91	19.74	21.2	0.0	
20	QPSK	50	26	19.90	19.93	19.80	21.2	0.0	
20	QPSK	50	56	19.84	19.92	19.71	21.2	0.0	
20	QPSK	100	0	19.79	19.88	19.82	21.2	0.0	
20	16QAM	1	53	19.80	19.87	19.80	21.2	0.0	
20	16QAM	1	53	19.90	19.88	19.77	21.2	0.0	
20	256QAM	1	53	19.83	19.90	19.74	21.2	0.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	21.2	0.0	
15	QPSK	1	40	19.80	19.91	19.80	21.2	0.0	
Channel				163800	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	21.2	0.0	
10	QPSK	1	26	19.80	19.92	19.84	21.2	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	845.5	21.2	0.0	
5	QPSK	1	23	19.81	19.83	19.74	21.2	0.0	

n26_Ant 0									
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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	23.21	23.22	23.20	24.7	0.0	
20	QPSK	1	53	23.23	23.40	23.31	24.7	0.0	
20	QPSK	1	104	23.24	23.32	23.26	24.7	1.0	
20	QPSK	50	0	22.25	22.30	22.26	24.7	0.0	
20	QPSK	50	26	23.20	23.39	23.26	24.7	0.0	
20	QPSK	50	56	22.25	22.28	22.28	23.7	1.0	
20	QPSK	100	0	22.26	22.33	22.26	23.7	1.0	
20	16QAM	1	53	22.26	22.27	22.26	22.2	2.5	
20	16QAM	1	53	20.72	20.75	20.73	22.2	2.5	
20	256QAM	1	53	18.99	19.07	19.04	20.2	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	24.7	0.0	
15	QPSK	1	40	23.22	23.21	23.23	24.7	0.0	
Channel				163800	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	24.7	0.0	
10	QPSK	1	26	23.22	23.20	23.25	24.7	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	845.5	24.7	0.0	
5	QPSK	1	23	23.26	23.20	23.22	24.7	0.0	



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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										
Frequency (MHz)										
40	QPSK	1	1	17.76	17.83	17.68				
40	QPSK	1	108	17.75	17.82	17.82	19.2	0.0		
40	QPSK	1	214	17.88	17.80	17.75				
40	QPSK	108	0	17.75	17.80	17.75	19.2	0.0		
40	QPSK	108	54	17.75	17.87	17.81	19.2	0.0		
40	QPSK	108	108	17.73	17.73	17.80				
40	QPSK	216	0	17.75	17.82	17.74	19.2	0.0		
40	16QAM	1	108	17.71	17.78	17.70	19.2	0.0		
40	64QAM	1	108	17.70	17.75	17.78	19.2	0.0		
40	256QAM	1	108	17.71	17.79	17.73	19.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	80	17.69	17.73	17.73	0.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	53	17.69	17.82	17.67	0.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	40	17.77	17.78	17.72	0.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	26	17.78	17.82	17.68	0.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	23	17.68	17.81	17.74	0.0	0.0		

n66_Ant 0										
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										
Frequency (MHz)										
40	QPSK	1	1	22.21	22.20	22.27				
40	QPSK	1	108	22.25	22.85	22.75	23.7	0.0		
40	QPSK	1	214	22.24	22.24	22.24				
40	QPSK	108	0	21.83	21.89	21.59	23.7	1.0		
40	QPSK	108	54	22.09	22.85	22.05	23.7	0.0		
40	QPSK	108	108	21.78	21.87	21.76				
40	QPSK	216	0	21.89	21.73	21.58	22.7	1.0		
40	16QAM	1	108	21.48	21.54	21.48	22.7	1.0		
40	64QAM	1	108	20.06	20.10	20.10	21.2	2.5		
40	256QAM	1	108	18.75	18.83	18.80	19.2	4.5		
Channel										
Frequency (MHz)										
30	QPSK	1	80	22.72	22.84	22.85	0.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	53	22.63	22.69	22.67	0.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	40	22.67	22.69	22.67	0.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	26	22.68	22.77	22.63	0.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	23	22.63	22.80	22.62	0.0	0.0		

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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										
Frequency (MHz)										
40	QPSK	1	1	15.95	16.01	15.92				
40	QPSK	1	108	15.91	16.08	15.97	17.2	0.0		
40	QPSK	1	214	15.91	15.96	15.88				
40	QPSK	108	0	15.95	15.95	15.90	17.2	0.0		
40	QPSK	108	54	15.90	16.04	15.93	17.2	0.0		
40	QPSK	108	108	15.93	15.92	15.91				
40	QPSK	216	0	15.96	15.99	15.95	17.2	0.0		
40	16QAM	1	108	15.96	15.96	15.88	17.2	0.0		
40	64QAM	1	108	15.93	15.89	15.79	17.2	0.0		
40	256QAM	1	108	15.89	15.88	15.83	17.2	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	80	16.00	16.02	15.87	0.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	53	15.96	15.90	15.93	0.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	40	15.88	16.00	15.80	0.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	26	15.97	15.93	15.80	0.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	23	15.98	15.90	15.88	0.0	0.0		



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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								
Frequency (MHz)				518004	519000	519996		
Frequency (MHz)				2589.02	2595	2599.98		
40	QPSK	1	1	15.04	15.15	15.13		
40	QPSK	1	53	15.29	15.30	15.21	16.7	0.0
40	QPSK	1	104	15.09	15.08	15.14		
40	QPSK	50	0	15.26	15.26	15.26	16.7	0.0
40	QPSK	50	28	15.25	15.29	15.25	16.7	0.0
40	QPSK	50	56	15.19	15.25	15.25		
40	QPSK	100	0	15.17	15.18	15.15	16.7	0.0
40	16QAM	1	53	15.26	15.26	15.28	16.7	0.0
40	64QAM	1	53	15.27	15.26	15.27	16.7	0.0
40	256QAM	1	53	15.29	15.24	15.26	16.7	0.0
Channel								
Frequency (MHz)				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	39	15.29	15.29	15.21	16.7	0.0
Channel								
Frequency (MHz)				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	26	15.27	15.29	15.25	16.7	0.0
Channel								
Frequency (MHz)				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	19	15.21	15.26	15.24	16.7	0.0
Channel								
Frequency (MHz)				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	12	15.30	15.27	15.17	16.7	0.0

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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								
Frequency (MHz)				518004	519000	519996		
Frequency (MHz)				2589.02	2595	2599.98		
40	QPSK	1	1	23.22	23.32	23.30		
40	QPSK	1	53	23.59	23.62	23.53	25.2	0.0
40	QPSK	1	104	23.55	23.57	23.50		
40	QPSK	50	0	22.59	22.70	22.59	24.7	0.5
40	QPSK	50	28	23.41	23.51	23.41	25.2	0.0
40	QPSK	50	56	22.63	22.73	22.66		
40	QPSK	100	0	22.90	22.97	22.96	24.7	0.5
40	16QAM	1	53	22.62	22.67	22.59	24.7	0.5
40	64QAM	1	53	21.18	21.20	21.18	23.2	2.0
40	256QAM	1	53	19.69	19.75	19.70	21.2	4.0
Channel								
Frequency (MHz)				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	39	23.51	23.54	23.55	25.2	0.0
Channel								
Frequency (MHz)				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	26	23.43	23.42	23.41	25.2	0.0
Channel								
Frequency (MHz)				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	19	23.01	23.04	23.50	25.2	0.0
Channel								
Frequency (MHz)				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	12	23.44	23.41	23.46	25.2	0.0

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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								
Frequency (MHz)				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.18	18.25	18.13		
40	QPSK	1	53	18.39	18.42	18.32	20.2	0.0
40	QPSK	1	104	18.19	18.28	18.18		
40	QPSK	50	0	18.32	18.29	18.32		
40	QPSK	50	28	18.35	18.38	18.35	20.2	0.0
40	QPSK	50	56	18.34	18.37	18.22		
40	QPSK	100	0	18.34	18.36	18.26	20.2	0.0
40	16QAM	1	53	18.29	18.37	18.27	20.2	0.0
40	64QAM	1	53	18.37	18.30	18.30	20.2	0.0
40	256QAM	1	53	18.31	18.31	18.29	20.2	0.0
Channel								
Frequency (MHz)				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	39	18.33	18.38	18.22	20.2	0.0
Channel								
Frequency (MHz)				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	26	18.36	18.30	18.31	20.2	0.0
Channel								
Frequency (MHz)				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	19	18.31	18.41	18.28	20.2	0.0
Channel								
Frequency (MHz)				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	12	18.27	18.35	18.25	20.2	0.0



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	11.97	11.68	11.67			
100	QPSK	1	137	11.73	11.83	11.82	13.2	0.0	
100	QPSK	1	271	11.80	11.83	11.73			
100	QPSK	135	0	11.63	11.80	11.89	13.2	0.0	
100	QPSK	135	89	11.75	11.80	11.75	13.2	0.0	
100	QPSK	135	138	11.59	11.86	11.86			
100	QPSK	270	0	11.61	11.68	11.63	13.2	0.0	
100	16QAM	1	137	11.81	11.57	11.79	13.2	0.0	
100	64QAM	1	137	11.81	11.74	11.84	13.2	0.0	
100	256QAM	1	137	11.54	11.70	11.77	13.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	11.62	11.69	11.75	13.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	11.84	11.76	11.73	13.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	11.58	11.70	11.76	13.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	11.59	11.68	11.77	13.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	11.55	11.76	11.68	13.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	11.67	11.78	11.75	13.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	11.68	11.77	11.71	13.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	11.67	11.76	11.72	13.2	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	14.63	14.73	14.74			
100	QPSK	1	137	14.86	14.92	14.90	16.2	0.0	
100	QPSK	1	271	14.74	14.78	14.81			
100	QPSK	135	0	14.70	14.71	14.79	16.2	0.0	
100	QPSK	135	89	14.85	14.87	14.85	16.2	0.0	
100	QPSK	135	138	14.70	14.80	14.75			
100	QPSK	270	0	14.75	14.76	14.70	16.2	0.0	
100	16QAM	1	137	14.71	14.67	14.84	16.2	0.0	
100	64QAM	1	137	14.75	14.79	14.77	16.2	0.0	
100	256QAM	1	137	14.64	14.77	14.83	16.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	14.85	14.70	14.79	16.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	14.70	14.76	14.83	16.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	14.73	14.69	14.70	16.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	14.67	14.78	14.79	16.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	14.68	14.75	14.79	16.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	14.61	14.69	14.84	16.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	14.70	14.79	14.83	16.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	14.71	14.71	14.73	16.2	0.0	

n41_Ant 0									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	21.39	21.47	21.27			
100	QPSK	1	137	21.41	21.52	21.35	23.2	0.0	
100	QPSK	1	271	21.33	21.49	21.30			
100	QPSK	135	0	21.34	21.49	21.18	23.2	0.0	
100	QPSK	135	89	21.45	21.48	21.35	23.2	0.0	
100	QPSK	135	138	21.37	21.43	21.24			
100	QPSK	270	0	21.32	21.39	21.17	23.2	0.0	
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0	
100	64QAM	1	137	21.31	21.42	21.19	23.2	0.0	
100	256QAM	1	137	20.21	20.23	20.19	21.7	1.5	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	21.35	21.43	21.17	23.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.31	21.41	21.24	23.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.33	21.44	21.20	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	21.39	21.42	21.20	23.2	0.0	



n41_Ant_0_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.19	23.25	23.11	26.2	0.0	
100	QPSK	1	137	24.36	24.45	24.41			
100	QPSK	1	271	23.11	23.17	23.10			
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0	
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0	
100	QPSK	135	138	23.32	23.33	23.25			
100	QPSK	270	0	23.10	23.13	23.01	26.2	1.0	
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0	
100	64QAM	1	137	21.63	21.70	21.36	23.7	2.5	
100	256QAM	1	137	20.25	20.29	20.20	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.28	24.41	24.42	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.15	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.19	24.38	23.78	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.22	24.27	23.78	26.2	0.0	

n41_Ant_4									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	15.19	15.32	15.20	17.2	0.0	
100	QPSK	1	137	15.41	15.48	15.31			
100	QPSK	1	271	15.22	15.18	15.13			
100	QPSK	135	0	14.92	15.07	14.93	17.2	0.0	
100	QPSK	135	69	15.36	15.35	15.16	17.2	0.0	
100	QPSK	135	138	15.13	15.24	15.12			
100	QPSK	270	0	14.93	15.27	14.99	17.2	0.0	
100	16QAM	1	137	15.15	15.20	15.02	17.2	0.0	
100	64QAM	1	137	15.06	15.23	14.99	17.2	0.0	
100	256QAM	1	137	15.11	15.34	15.13	17.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	15.35	15.38	15.23	17.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	15.35	15.41	15.19	17.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	15.32	15.38	15.19	17.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.36	15.42	15.24	17.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	15.28	15.41	15.20	17.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.27	15.41	15.27	17.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.31	15.37	15.25	17.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.29	15.33	15.22	17.2	0.0	

n41_Ant_4_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	18.12	18.18	18.06	20.2	0.0	
100	QPSK	1	137	18.25	18.33	18.21			
100	QPSK	1	271	18.17	18.12	18.07			
100	QPSK	135	0	17.82	17.95	17.87	20.2	0.0	
100	QPSK	135	69	18.21	18.28	18.25	20.2	0.0	
100	QPSK	135	138	18.04	18.09	18.00			
100	QPSK	270	0	18.25	18.25	18.23	20.2	0.0	
100	16QAM	1	137	18.03	18.08	17.94	20.2	0.0	
100	64QAM	1	137	17.94	18.08	17.94	20.2	0.0	
100	256QAM	1	137	18.03	18.15	18.06	20.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	18.22	18.18	18.07	20.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	18.18	18.23	18.14	20.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	18.20	18.23	18.11	20.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	18.15	18.25	18.15	20.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	18.15	18.25	18.12	20.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.18	18.25	18.10	20.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	18.21	18.27	18.14	20.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.13	18.22	18.11	20.2	0.0	



Reduced Power for DSI 5

n2_Ant 3									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	17.87	17.96	17.96			
20	QPSK	1	53	17.95	18.01	17.97	18.7	0.0	
20	QPSK	1	104	17.83	17.99	17.86			
20	QPSK	50	0	17.90	17.87	17.85	18.7	0.0	
20	QPSK	50	28	17.53	17.96	17.93			
20	QPSK	50	56	17.85	17.86	17.91			
20	QPSK	100	0	17.89	17.95	17.88	18.7	0.0	
20	16QAM	1	53	17.87	17.86	17.89	18.7	0.0	
20	64QAM	1	53	17.94	17.95	17.85	18.7	0.0	
20	256QAM	1	53	17.84	17.87	17.87	18.2	0.5	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1827.5	1880	1922.5	18.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	17.85	17.87	17.85	18.7	0.0	
Channel									
Frequency (MHz)				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	17.80	17.94	17.85	18.7	0.0	

n2_Ant 0									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	17.40	17.48	17.28			
20	QPSK	1	53	17.41	17.56	17.37	19.2	0.0	
20	QPSK	1	104	17.30	17.45	17.32			
20	QPSK	50	0	17.34	17.82	17.33	19.2	0.0	
20	QPSK	50	28	17.38	17.54	17.56			
20	QPSK	50	56	17.37	17.52	17.30			
20	QPSK	100	0	17.38	17.54	17.34	19.2	0.0	
20	16QAM	1	53	17.35	17.51	17.26	19.2	0.0	
20	64QAM	1	53	17.30	17.51	17.40	19.2	0.0	
20	256QAM	1	53	16.32	16.46	16.35	18.2	1.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1727	1744	1731	19.2	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	17.38	17.51	17.28	19.2	0.0	
Channel									
Frequency (MHz)				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	17.40	17.42	17.24	19.2	0.0	

n5_Ant 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									
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	19.75	19.89	19.72			
20	QPSK	1	53	19.63	19.90	19.85	21.2	0.0	
20	QPSK	1	104	19.81	19.76	19.79			
20	QPSK	50	0	19.81	19.77	19.72	21.2	0.0	
20	QPSK	50	28	19.85	19.87	19.81			
20	QPSK	50	56	19.79	19.80	19.74			
20	QPSK	100	0	19.75	19.90	19.73	21.2	0.0	
20	16QAM	1	53	19.72	19.79	19.84	21.2	0.0	
20	64QAM	1	53	19.81	19.88	19.80	21.2	0.0	
20	256QAM	1	53	19.75	19.85	19.84	21.2	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	19.74	19.87	19.81	21.2	0.0	
Channel									
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	19.81	19.84	19.81	21.2	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	19.73	19.79	19.84	21.2	0.0	



n5_Ant 0

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				165000	167000	169000		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	21.65	21.75	21.99		
20	QPSK	1	53	21.67	21.78	21.95	23.2	0.0
20	QPSK	1	104	21.66	21.76	21.98		
20	QPSK	50	0	21.55	21.67	21.94	23.2	0.0
20	QPSK	50	28	21.66	21.73	21.62		
20	QPSK	50	56	21.61	21.72	21.54		
20	QPSK	100	0	21.64	21.89	21.99	23.2	0.0
20	16QAM	1	53	21.61	21.73	21.86	23.2	0.0
20	64QAM	1	53	20.92	20.80	20.97	22.2	1.0
20	256QAM	1	53	18.86	18.94	18.83	20.2	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	833.5	841.5		
15	QPSK	1	40	21.54	21.73	21.63	23.2	0.0
Channel				165000	167000	168000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	836.5	844		
10	QPSK	1	26	21.66	21.66	21.67	23.2	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				828.5	836.5	846.5		
5	QPSK	1	23	21.55	21.66	21.68	23.2	0.0

n7_Ant 3

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				504000	507000	510000		
Frequency (MHz)				2620	2635	2650		
40	QPSK	1	1	15.46	15.54	15.49		
40	QPSK	1	108	15.57	15.65	15.55	16.2	0.0
40	QPSK	1	214	15.46	15.56	15.39		
40	QPSK	108	0	15.47	15.54	15.33	16.2	0.0
40	QPSK	108	54	15.50	15.63	15.54		
40	QPSK	108	108	15.42	15.56	15.36		
40	QPSK	216	0	15.48	15.57	15.43	16.2	0.0
40	16QAM	1	108	15.48	15.44	15.40	16.2	0.0
40	64QAM	1	108	15.48	15.56	15.51	16.2	0.0
40	256QAM	1	108	15.51	15.49	15.42	16.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	80	15.38	15.44	15.50	16.2	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2635	2657.5		
25	QPSK	1	65	15.49	15.52	15.53	16.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2635	2660		
20	QPSK	1	53	15.39	15.50	15.54	16.2	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2635	2662.5		
15	QPSK	1	40	15.40	15.51	15.45	16.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2635	2665		
10	QPSK	1	26	15.41	15.56	15.51	16.2	0.0
Channel				500000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2635	2667.5		
5	QPSK	1	23	15.38	15.56	15.51	16.2	0.0

n7_Ant 0

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				504000	507000	510000		
Frequency (MHz)				2620	2635	2650		
40	QPSK	1	1	17.51	17.53	17.51		
40	QPSK	1	108	17.55	17.67	17.54	18.2	0.0
40	QPSK	1	214	17.51	17.51	17.52		
40	QPSK	108	0	17.48	17.50	17.51	18.2	0.0
40	QPSK	108	54	17.55	17.56	17.54		
40	QPSK	108	108	17.50	17.54	17.52		
40	QPSK	216	0	17.50	17.55	17.53	18.2	0.0
40	16QAM	1	108	17.52	17.54	17.55	18.2	0.0
40	64QAM	1	108	17.56	17.51	17.46	18.2	0.0
40	256QAM	1	108	17.55	17.54	17.52	18.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	80	17.25	17.41	17.25	18.2	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2635	2657.5		
25	QPSK	1	65	17.37	17.36	17.28	18.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2635	2660		
20	QPSK	1	53	17.36	17.30	17.25	18.2	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2635	2662.5		
15	QPSK	1	40	17.37	17.31	17.26	18.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2635	2665		
10	QPSK	1	26	17.28	17.33	17.28	18.2	0.0
Channel				500000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2635	2667.5		
5	QPSK	1	23	17.30	17.30	17.25	18.2	0.0



n7_Ant 4									
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				2920	2935	2950			
Frequency (MHz)				16.60	16.65	16.81			
40	QPSK	1	108	16.61	16.66	16.64	17.7	0.0	
40	QPSK	1	214	16.59	16.58	16.62			
40	QPSK	108	0	16.58	16.81	16.52	17.7	0.0	
40	QPSK	108	54	16.59	16.63	16.62			
40	QPSK	108	108	16.58	16.81	16.81	17.7	0.0	
40	QPSK	216	0	16.58	16.59	16.56			
40	16QAM	1	108	16.56	16.62	16.54	17.7	0.0	
40	16QAM	1	108	16.55	16.54	16.38	17.7	0.0	
40	256QAM	1	108	16.53	16.57	16.56	17.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				22.15	2235	2255			
30	QPSK	1	80	16.62	16.56	16.59	17.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2635	2657.5			
25	QPSK	1	65	16.57	16.57	16.60	17.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2635	2660			
20	QPSK	1	53	16.62	16.56	16.64	17.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2635	2662.5			
15	QPSK	1	40	16.52	16.64	16.63	17.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2635	2665			
10	QPSK	1	26	16.61	16.57	16.63	17.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2635	2667.5			
5	QPSK	1	23	16.49	16.59	16.60	17.7	0.0	

n26_Ant 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				154800	166300	167500			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	19.88	19.90	19.74	21.2	0.0	
20	QPSK	1	53	19.92	19.94	19.91			
20	QPSK	1	104	19.87	19.88	19.79			
20	QPSK	50	0	19.77	19.91	19.80	21.2	0.0	
20	QPSK	50	26	19.90	19.93	19.84	21.2	0.0	
20	QPSK	50	56	19.84	19.92	19.81			
20	QPSK	100	0	19.79	19.88	19.82	21.2	0.0	
20	16QAM	1	53	19.80	19.87	19.80	21.2	0.0	
20	16QAM	1	53	19.90	19.89	19.77	21.2	0.0	
20	256QAM	1	53	19.83	19.90	19.74	21.2	0.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	19.80	19.91	19.80	21.2	0.0	
Channel				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	19.80	19.92	19.84	21.2	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	19.81	19.83	19.74	21.2	0.0	

n26_Ant 0									
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				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	21.80	21.88	21.82			
20	QPSK	1	53	21.89	21.96	21.84			
20	QPSK	1	104	21.77	21.95	21.82	23.2	0.0	
20	QPSK	50	0	21.80	21.82	21.77	23.2	0.0	
20	QPSK	50	26	21.85	21.89	21.78	23.2	0.0	
20	QPSK	50	56	21.82	21.88	21.73			
20	QPSK	100	0	21.78	21.88	21.76	23.2	0.0	
20	16QAM	1	53	21.87	21.92	21.77	23.2	0.0	
20	16QAM	1	53	20.97	20.91	20.79	22.2	1.0	
20	256QAM	1	53	18.85	18.83	18.70	20.2	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	21.86	21.85	21.71	23.2	0.0	
Channel				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	21.77	21.96	21.80	23.2	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	21.79	21.92	21.73	23.2	0.0	



n66_Ant 3									
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									
Frequency (MHz)									
				1730	1745	1760			
40	QPSK	1	1	19.89	19.83	19.85			
40	QPSK	1	108	19.05	19.99	19.05	21.2	0.0	
40	QPSK	1	214	19.87	19.82	19.91			
40	QPSK	108	0	19.85	19.91	19.83	21.2	0.0	
40	QPSK	108	54	19.02	19.95	19.07	21.2	0.0	
40	QPSK	108	108	19.77	19.81	19.82			
40	QPSK	216	0	19.78	19.93	19.87	21.2	0.0	
40	16QAM	1	108	19.79	19.82	19.89	21.2	0.0	
40	64QAM	1	108	19.77	19.85	19.85	21.2	0.0	
40	256QAM	1	108	19.87	19.90	19.85	20.2	1.0	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)									
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	53	1720	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1715	1745	1775.5	0.0	0.0	
Channel									
Frequency (MHz)									
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)									
				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	1712.5	1745	1777.5	0.0	0.0	

n66_Ant 0									
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									
Frequency (MHz)									
				1730	1745	1760			
40	QPSK	1	1	18.62	18.63	18.59			
40	QPSK	1	108	18.75	18.85	18.75	19.7	0.0	
40	QPSK	1	214	18.58	18.78	18.59			
40	QPSK	108	0	18.67	18.81	18.65	19.7	0.0	
40	QPSK	108	54	18.70	18.85	18.72	19.7	0.0	
40	QPSK	108	108	18.61	18.78	18.69			
40	QPSK	216	0	18.59	18.81	18.68	19.7	0.0	
40	16QAM	1	108	18.70	18.80	18.60	19.7	0.0	
40	64QAM	1	108	18.64	18.81	18.67	19.7	0.0	
40	256QAM	1	108	18.73	18.71	18.59	19.2	0.5	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)									
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	53	1720	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1715	1745	1775.5	0.0	0.0	
Channel									
Frequency (MHz)									
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)									
				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	1712.5	1745	1777.5	0.0	0.0	

n66_Ant 4									
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									
Frequency (MHz)									
				1730	1745	1760			
40	QPSK	1	1	18.50	18.89	18.81			
40	QPSK	1	108	19.03	19.08	19.05	20.2	0.0	
40	QPSK	1	214	18.98	18.96	18.86			
40	QPSK	108	0	18.87	18.96	18.88	20.2	0.0	
40	QPSK	108	54	19.01	19.04	19.02	20.2	0.0	
40	QPSK	108	108	19.00	19.01	18.88			
40	QPSK	216	0	18.98	19.02	18.89	20.2	0.0	
40	16QAM	1	108	18.96	19.02	18.88	20.2	0.0	
40	64QAM	1	108	18.87	18.95	18.91	20.2	0.0	
40	256QAM	1	108	18.91	18.94	18.84	19.2	1.0	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)									
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	53	1720	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1715	1745	1775.5	0.0	0.0	
Channel									
Frequency (MHz)									
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)									
				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	23	1712.5	1745	1777.5	0.0	0.0	



n38_Ant 3									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	15.38	15.42	15.41	17.2	0.0	
40	QPSK	1	53	15.61	15.64	15.63			
40	QPSK	1	104	15.36	15.52	15.45			
40	QPSK	50	0	15.46	15.54	15.46	17.2	0.0	
40	QPSK	50	26	15.55	15.59	15.57	17.2	0.0	
40	QPSK	50	56	15.51	15.58	15.52			
40	QPSK	100	0	15.51	15.58	15.49	17.2	0.0	
40	16QAM	1	53	15.59	15.57	15.47	17.2	0.0	
40	64QAM	1	53	15.50	15.52	15.54	17.2	0.0	
40	256QAM	1	53	15.45	15.51	15.49	17.2	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	15.47	15.47	15.46	17.2	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	15.84	15.87	15.84	17.2	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	15.52	15.47	15.48	17.2	0.0	
Channel				515004	519000	523500			
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	12	15.83	15.51	15.60	17.2	0.0	

n38_Ant 0									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	17.99	18.10	17.98			
40	QPSK	1	53	18.07	18.12	18.03	19.7	0.0	
40	QPSK	1	104	17.97	18.06	18.00			
40	QPSK	50	0	18.01	18.05	17.90	19.7	0.0	
40	QPSK	50	26	18.06	18.06	17.95	19.7	0.0	
40	QPSK	50	56	17.94	18.02	17.88			
40	QPSK	100	0	17.95	18.11	17.91	19.7	0.0	
40	16QAM	1	53	17.96	18.08	17.90	19.7	0.0	
40	64QAM	1	53	18.00	18.05	17.89	19.7	0.0	
40	256QAM	1	53	17.94	18.00	18.01	19.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	17.82	17.97	17.83	19.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	17.88	17.95	17.84	19.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	17.93	17.92	17.89	19.7	0.0	
Channel				515004	519000	523500			
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	12	17.81	17.93	17.80	19.7	0.0	

n38_Ant 4									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	15.73	15.83	15.72			
40	QPSK	1	53	15.85	15.94	15.91	17.7	0.0	
40	QPSK	1	104	15.70	15.78	15.74			
40	QPSK	50	0	15.70	15.83	15.85			
40	QPSK	50	26	15.84	15.90	15.86	17.7	0.0	
40	QPSK	50	56	15.80	15.86	15.87			
40	QPSK	100	0	15.76	15.89	15.81	17.7	0.0	
40	16QAM	1	53	15.89	15.90	15.81	17.7	0.0	
40	64QAM	1	53	15.89	15.84	15.88	17.7	0.0	
40	256QAM	1	53	15.77	15.92	15.79	17.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	15.73	15.83	15.80	17.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	15.78	15.81	15.80	17.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	15.71	15.83	15.77	17.7	0.0	
Channel				515004	519000	523500			
Frequency (MHz)				2573.02	2595	2614.98			
10	QPSK	1	12	15.76	15.91	15.88	17.7	0.0	



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	13.17	13.31	13.12		14.7	0.0
100	QPSK	1	137	13.35	13.46	13.35			
100	QPSK	1	271	13.10	13.31	13.17			
100	QPSK	135	0	13.21	13.22	13.16		14.7	0.0
100	QPSK	135	69	13.33	13.45	13.31		14.7	0.0
100	QPSK	135	138	13.17	13.30	13.29			
100	QPSK	270	0	13.09	13.12	13.07		14.7	0.0
100	16QAM	1	137	13.28	13.28	13.26		14.7	0.0
100	64QAM	1	137	13.16	13.28	13.17		14.7	0.0
100	256QAM	1	137	13.27	13.23	13.08		14.7	0.0
Channel									
Frequency (MHz)				508500	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	13.22	13.37	13.26	14.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	13.21	13.34	13.25	14.7	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	13.29	13.36	13.28	14.7	0.0	
Channel									
Frequency (MHz)				508500	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	13.24	13.31	13.20	14.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	13.29	13.40	13.20	14.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	13.30	13.34	13.28	14.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	13.22	13.34	13.23	14.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	13.27	13.36	13.30	14.7	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	16.31	16.38	16.22		17.7	0.0
100	QPSK	1	137	16.30	16.59	16.46			
100	QPSK	1	271	16.25	16.37	16.32			
100	QPSK	135	0	16.28	16.33	16.26		17.7	0.0
100	QPSK	135	69	16.39	16.50	16.37		17.7	0.0
100	QPSK	135	138	16.30	16.42	16.34			
100	QPSK	270	0	16.14	16.27	16.15		17.7	0.0
100	16QAM	1	137	16.34	16.40	16.35		17.7	0.0
100	64QAM	1	137	16.30	16.40	16.27		17.7	0.0
100	256QAM	1	137	16.35	16.36	16.21		17.7	0.0
Channel									
Frequency (MHz)				508500	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	16.38	16.45	16.35	17.7	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	16.45	16.46	16.37	17.7	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	16.44	16.45	16.39	17.7	0.0	
Channel									
Frequency (MHz)				508500	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	16.38	16.47	16.31	17.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	16.44	16.45	16.34	17.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	16.44	16.45	16.39	17.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	16.38	16.45	16.37	17.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	16.44	16.44	16.34	17.7	0.0	

n41_Ant 0									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	14.76	15.06	15.02		17.2	0.0
100	QPSK	1	137	15.07	15.20	15.13			
100	QPSK	1	271	14.82	15.05	14.98			
100	QPSK	135	0	14.89	15.06	14.96		17.2	0.0
100	QPSK	135	69	14.98	15.15	15.06		17.2	0.0
100	QPSK	135	138	14.90	15.01	15.00			
100	QPSK	270	0	14.85	15.11	15.02		17.2	0.0
100	16QAM	1	137	14.93	15.06	14.99		17.2	0.0
100	64QAM	1	137	14.87	15.11	15.01		17.2	0.0
100	256QAM	1	137	14.96	15.03	15.03		17.2	0.0
Channel									
Frequency (MHz)				508500	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	14.93	15.10	15.05	17.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.02	15.10	15.00	17.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	14.93	15.08	15.02	17.2	0.0	
Channel									
Frequency (MHz)				508500	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	14.92	15.13	15.03	17.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	14.98	15.09	15.08	17.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	14.98	15.15	15.07	17.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.02	15.13	15.07	17.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	14.92	15.11	14.99	17.2	0.0	



n41_Ant_0_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2640			
100	QPSK	1	1	17.89	18.20	18.07			
100	QPSK	1	137	18.14	18.33	18.21	20.2	0.0	
100	QPSK	1	271	17.93	18.15	18.05			
100	QPSK	135	0	18.03	18.16	18.09	20.2	0.0	
100	QPSK	135	69	18.06	18.21	18.14	20.2	0.0	
100	QPSK	135	138	17.98	18.13	18.12			
100	QPSK	270	0	17.91	18.20	18.13	20.2	0.0	
100	16QAM	1	137	18.00	18.12	18.14	20.2	0.0	
100	64QAM	1	137	17.94	18.20	18.11	20.2	0.0	
100	256QAM	1	137	18.01	18.17	18.10	20.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	17.91	18.10	18.05	20.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	18.01	18.17	18.05	20.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	18.03	18.08	18.06	20.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	17.97	18.13	18.14	20.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	17.99	18.18	18.08	20.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	18.02	18.13	18.08	20.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	17.90	18.10	18.11	20.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	18.03	18.22	18.04	20.2	0.0	

n41_Ant_4									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2640			
100	QPSK	1	1	13.64	13.74	13.74			
100	QPSK	1	137	13.94	14.04	13.89	15.7	0.0	
100	QPSK	1	271	13.81	13.83	13.76			
100	QPSK	135	0	13.47	13.62	13.56	15.7	0.0	
100	QPSK	135	69	13.86	13.97	13.76	15.7	0.0	
100	QPSK	135	138	13.64	13.74	13.51			
100	QPSK	270	0	13.49	13.64	13.49	15.7	0.0	
100	16QAM	1	137	13.68	13.76	13.58	15.7	0.0	
100	64QAM	1	137	13.68	13.82	13.65	15.7	0.0	
100	256QAM	1	137	13.62	13.80	13.67	15.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	13.84	13.89	13.76	15.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	13.82	13.92	13.76	15.7	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	13.82	13.94	13.74	15.7	0.0	
Channel									
Frequency (MHz)				508200	518598	531098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	13.89	13.92	13.82	15.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	13.79	13.93	13.53	15.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	13.79	13.99	13.76	15.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	13.79	13.97	13.82	15.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	13.88	13.95	13.79	15.7	0.0	

n41_Ant_4_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2640			
100	QPSK	1	1	16.77	16.75	16.65			
100	QPSK	1	137	16.85	16.95	16.88	18.7	0.0	
100	QPSK	1	271	16.74	16.73	16.76			
100	QPSK	135	0	16.58	16.63	16.52	18.7	0.0	
100	QPSK	135	69	16.95	16.92	16.85	18.7	0.0	
100	QPSK	135	138	16.64	16.73	16.58			
100	QPSK	270	0	16.81	16.85	16.75	18.7	0.0	
100	16QAM	1	137	16.89	16.74	16.60	18.7	0.0	
100	64QAM	1	137	16.70	16.78	16.66	18.7	0.0	
100	256QAM	1	137	16.65	16.81	16.74	18.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	16.77	16.88	16.82	18.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	16.77	16.89	16.75	18.7	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	16.77	16.89	16.83	18.7	0.0	
Channel									
Frequency (MHz)				508200	518598	531098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	16.78	16.86	16.81	18.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	16.75	16.17	16.52	18.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	16.76	16.88	16.78	18.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	16.81	16.80	16.81	18.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	16.79	16.85	16.81	18.7	0.0	



Reduced Power for DSI 6

n2_Ant 3									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	15.80	15.97	15.93			
20	QPSK	1	53	15.96	16.07	15.97	16.7	0.0	
20	QPSK	1	104	15.90	15.94	15.96			
20	QPSK	50	0	15.91	15.97	15.90	16.7	0.0	
20	QPSK	50	28	15.94	16.01	15.91	16.7	0.0	
20	QPSK	50	56	15.90	15.98	15.88			
20	QPSK	100	0	15.92	16.00	15.87	16.7	0.0	
20	16QAM	1	53	15.96	15.98	15.88	16.7	0.0	
20	64QAM	1	53	15.80	15.88	15.87	16.7	0.0	
20	256QAM	1	53	15.87	15.99	15.96	16.7	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	1627.5	1680	1622.5	16.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	15.81	15.90	15.86	16.7	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1621.5	1680	1627.5			
5	QPSK	1	23	15.91	15.97	15.83	16.7	0.0	

n2_Ant 0									
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									
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	21.12	21.14	21.12			
20	QPSK	1	53	21.22	21.36	21.21	22.7	0.0	
20	QPSK	1	104	20.91	20.91	20.77			
20	QPSK	50	0	19.83	19.97	19.86	21.7	1.0	
20	QPSK	50	28	21.14	21.24	21.00	22.7	0.0	
20	QPSK	50	56	20.18	20.18	20.03			
20	QPSK	100	0	20.15	20.24	20.09	21.7	1.0	
20	16QAM	1	53	19.92	20.07	19.97	21.7	1.0	
20	64QAM	1	53	18.42	18.50	18.38	20.2	2.5	
20	256QAM	1	53	17.18	17.31	17.30	18.2	4.5	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1627.5	1680	1622.5			
15	QPSK	1	40	21.27	21.23	21.22	22.7	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	26	21.26	21.22	21.24	22.7	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1623.5	1680	1627.5			
5	QPSK	1	23	21.26	21.22	21.26	22.7	0.0	

n5_Ant 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									
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	18.23	18.39	18.21			
20	QPSK	1	53	18.53	18.40	18.36	19.7	0.0	
20	QPSK	1	104	18.31	18.38	18.36			
20	QPSK	50	0	18.22	18.27	18.30	19.7	0.0	
20	QPSK	50	28	18.35	18.34	18.32	19.7	0.0	
20	QPSK	50	56	18.26	18.31	18.24			
20	QPSK	100	0	18.21	18.32	18.31	19.7	0.0	
20	16QAM	1	53	18.34	18.34	18.23	19.7	0.0	
20	64QAM	1	53	18.23	18.38	18.26	19.7	0.0	
20	256QAM	1	53	18.27	18.29	18.25	19.7	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	18.31	18.30	18.33	19.7	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	18.21	18.38	18.26	19.7	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	845.5			
5	QPSK	1	23	18.28	18.26	18.23	19.7	0.0	



n5_Ant 0

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								
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.10	23.15	23.12		
20	QPSK	1	53	23.16	23.31	23.16	24.7	0.0
20	QPSK	1	104	23.14	23.14	23.11		
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0
20	QPSK	50	28	23.14	23.28	23.17	24.7	0.0
20	QPSK	50	56	22.13	22.24	22.14		
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0
20	16QAM	1	53	22.11	22.16	22.12	23.7	1.0
20	64QAM	1	53	20.86	20.81	20.84	22.2	2.5
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				835.5	836.5	840.5		
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0

n7_Ant 3

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								
Frequency (MHz)				2620	2635	2650		
40	QPSK	1	1	14.42	14.52	14.47		
40	QPSK	1	108	14.54	14.57	14.53	15.2	0.0
40	QPSK	1	214	14.39	14.54	14.37		
40	QPSK	108	0	14.38	14.46	14.23	15.2	0.0
40	QPSK	108	54	14.40	14.54	14.41	15.2	0.0
40	QPSK	108	108	14.29	14.53	14.33		
40	QPSK	216	0	14.37	14.51	14.38	15.2	0.0
40	16QAM	1	108	14.43	14.39	14.36	15.2	0.0
40	64QAM	1	108	14.45	14.54	14.50	15.2	0.0
40	256QAM	1	108	14.42	14.40	14.37	15.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	14.39	14.50	14.47	15.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	14.52	14.47	14.56	15.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	14.42	14.47	14.42	15.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	14.38	14.45	14.47	15.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	14.47	14.50	14.53	15.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	14.48	14.48	14.52	15.2	0.0

n7_Ant 0

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								
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.27	22.21	22.28		
40	QPSK	1	108	22.78	22.88	22.72	23.7	0.0
40	QPSK	1	214	22.27	22.20	22.25		
40	QPSK	108	0	21.59	21.66	21.59	23.7	1.0
40	QPSK	108	54	22.70	22.80	22.68	23.7	0.0
40	QPSK	108	108	21.64	21.69	21.58		
40	QPSK	216	0	21.65	21.70	21.65	22.7	1.0
40	16QAM	1	108	21.52	21.57	21.51	22.7	1.0
40	64QAM	1	108	19.95	20.10	19.95	21.2	2.5
40	256QAM	1	108	18.99	18.74	18.62	19.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	22.74	22.81	22.80	23.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	22.74	22.72	22.65	23.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.74	22.70	22.80	23.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.89	22.71	22.75	23.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	22.72	22.74	22.75	23.7	0.0



n7_Ant 4									
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				505000	507000	510000			
Frequency (MHz)				2920	2935	2950			
40	QPSK	1	1	17.58	17.56	17.57			
40	QPSK	1	108	17.61	17.66	17.65	18.7	0.0	
40	QPSK	1	214	17.53	17.54	17.54			
40	QPSK	108	0	17.49	17.85	17.92	18.7	0.0	
40	QPSK	108	54	17.58	17.66	17.64	18.7	0.0	
40	QPSK	108	108	17.49	17.56	17.59	18.7	0.0	
40	QPSK	216	0	17.53	17.54	17.53	18.7	0.0	
40	16QAM	1	108	17.56	17.54	17.61	18.7	0.0	
40	16QAM	1	108	17.59	17.54	17.85	18.7	0.0	
40	256QAM	1	108	17.60	17.56	17.54	18.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	80	17.49	17.63	17.64	18.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2912.5	2935	2957.5			
25	QPSK	1	65	17.51	17.63	17.51	18.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2910	2935	2960			
20	QPSK	1	53	17.56	17.55	17.51	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2907.5	2935	2962.5			
15	QPSK	1	40	17.61	17.58	17.61	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	26	17.58	17.63	17.62	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2902.5	2935	2967.5			
5	QPSK	1	23	17.49	17.60	17.61	18.7	0.0	

n26_Ant 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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	18.31	18.39	18.31			
20	QPSK	1	53	18.41	18.54	18.34	19.7	0.0	
20	QPSK	1	104	18.32	18.33	18.22			
20	QPSK	50	0	18.38	18.39	18.28	19.7	0.0	
20	QPSK	50	26	18.40	18.45	18.51	19.7	0.0	
20	QPSK	50	56	18.32	18.43	18.26	19.7	0.0	
20	QPSK	100	0	18.36	18.43	18.27	19.7	0.0	
20	16QAM	1	53	18.40	18.43	18.31	19.7	0.0	
20	16QAM	1	53	18.27	18.34	18.26	19.7	0.0	
20	256QAM	1	53	18.26	18.39	18.29	19.7	0.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	18.33	18.46	18.34	19.7	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	18.38	18.44	18.20	19.7	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	18.38	18.43	18.22	19.7	0.0	

n27_Ant 0									
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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	23.21	23.22	23.20			
20	QPSK	1	53	23.33	23.40	23.31	24.7	0.0	
20	QPSK	1	104	23.34	23.32	23.26			
20	QPSK	50	0	23.25	23.30	23.28	23.7	1.0	
20	QPSK	50	26	23.30	23.39	23.30	24.7	0.0	
20	QPSK	50	56	23.25	23.28	23.28			
20	QPSK	100	0	23.28	23.33	23.25	23.7	1.0	
20	16QAM	1	53	23.20	23.27	23.26	23.7	1.0	
20	16QAM	1	53	20.72	20.75	20.73	22.2	2.5	
20	256QAM	1	53	18.99	19.07	19.04	20.2	4.5	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	40	23.32	23.21	23.23	24.7	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	26	23.22	23.20	23.25	24.7	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	23	23.26	23.20	23.22	24.7	0.0	



n66_Ant 3										
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										
Frequency (MHz)										
				1730	1745	1760				
40	QPSK	1	1	16.71	16.79	16.67				
40	QPSK	1	108	16.75	16.84	16.50	18.2	0.0		
40	QPSK	1	214	16.66	16.72	16.67				
40	QPSK	108	0	16.72	16.62	16.69	18.2	0.0		
40	QPSK	108	54	16.74	16.63	16.77	18.2	0.0		
40	QPSK	108	108	16.67	16.79	16.70				
40	QPSK	216	0	16.70	16.77	16.71	18.2	0.0		
40	16QAM	1	108	16.73	16.78	16.69	18.2	0.0		
40	64QAM	1	108	16.78	16.71	16.70	18.2	0.0		
40	256QAM	1	108	16.69	16.78	16.79	18.2	0.0		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	80	1725	1745	1765	0.0	0.0		
Channel										
Frequency (MHz)										
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	53	1720	1745	1770	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	40	16.66	16.79	16.73	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	26	1715	1745	1775	0.0	0.0		
Channel										
Frequency (MHz)										
				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	23	1712.5	1745	1777.5	0.0	0.0		

n66_Ant 0										
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										
Frequency (MHz)										
				1730	1745	1760				
40	QPSK	1	1	22.21	22.20	22.27				
40	QPSK	1	108	22.15	22.06	22.15	23.7	0.0		
40	QPSK	1	214	22.24	22.24	22.24				
40	QPSK	108	0	21.83	21.89	21.59	22.7	1.0		
40	QPSK	108	54	22.05	22.05	22.05	23.7	0.0		
40	QPSK	108	108	21.78	21.87	21.76				
40	QPSK	216	0	21.59	21.73	21.58	22.7	1.0		
40	16QAM	1	108	21.46	21.54	21.46	22.7	1.0		
40	64QAM	1	108	20.06	20.10	20.10	21.2	2.5		
40	256QAM	1	108	18.76	18.83	18.80	19.2	4.5		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	80	22.72	22.84	22.85	0.0	0.0		
Channel										
Frequency (MHz)										
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	53	22.63	22.69	22.67	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	40	22.67	22.69	22.67	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	26	22.56	22.77	22.63	0.0	0.0		
Channel										
Frequency (MHz)										
				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	23	22.63	22.80	22.62	0.0	0.0		

n66_Ant 4										
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										
Frequency (MHz)										
				1730	1745	1760				
40	QPSK	1	1	14.37	14.43	14.34				
40	QPSK	1	108	14.51	14.52	14.45	15.7	0.0		
40	QPSK	1	214	14.56	14.56	14.37				
40	QPSK	108	0	14.47	14.43	14.42	15.7	0.0		
40	QPSK	108	54	14.48	14.50	14.45	15.7	0.0		
40	QPSK	108	108	14.39	14.44	14.29				
40	QPSK	216	0	14.46	14.49	14.43	15.7	0.0		
40	16QAM	1	108	14.46	14.50	14.36	15.7	0.0		
40	64QAM	1	108	14.40	14.46	14.35	15.7	0.0		
40	256QAM	1	108	14.46	14.47	14.37	15.7	0.0		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	80	14.42	14.36	14.31	0.0	0.0		
Channel										
Frequency (MHz)										
				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	53	14.41	14.44	14.43	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	40	14.42	14.45	14.34	0.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	26	14.47	14.39	14.29	0.0	0.0		
Channel										
Frequency (MHz)										
				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	23	14.45	14.46	14.31	0.0	0.0		



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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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	13.80	13.96	13.91		15.7	0.0
40	QPSK	1	53	14.08	14.12	14.10			
40	QPSK	1	104	13.78	13.90	13.96			
40	QPSK	50	0	13.94	14.03	14.01		15.7	0.0
40	QPSK	50	28	14.05	14.11	14.09		15.7	0.0
40	QPSK	50	56	13.97	14.01	14.02			
40	QPSK	100	0	14.00	14.07	14.03		15.7	0.0
40	16QAM	1	53	13.96	13.98	14.04		15.7	0.0
40	64QAM	1	53	14.03	14.07	14.06		15.7	0.0
40	256QAM	1	53	14.07	14.02	14.06		15.7	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	14.06	14.10	14.07		15.7	0.0
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	14.04	14.11	14.09		15.7	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	13.97	14.04	14.01		15.7	0.0
Channel									
Frequency (MHz)				517504	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	14.05	14.00	14.03		15.7	0.0

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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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	23.22	23.32	23.30		25.2	0.0
40	QPSK	1	53	23.59	23.62	23.53			
40	QPSK	1	104	23.55	23.57	23.50			
40	QPSK	50	0	22.99	22.70	22.99		24.7	0.5
40	QPSK	50	28	23.45	23.51	23.47		25.2	0.0
40	QPSK	50	56	22.63	22.73	22.66			
40	QPSK	100	0	22.90	22.97	22.96		24.7	0.5
40	16QAM	1	53	22.62	22.67	22.59		24.7	0.5
40	64QAM	1	53	23.18	21.20	23.18		23.2	2.0
40	256QAM	1	53	19.65	19.75	19.70		21.2	4.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	23.51	23.54	23.55		25.2	0.0
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	23.43	23.42	23.41		25.2	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	23.01	23.04	23.50		25.2	0.0
Channel									
Frequency (MHz)				517504	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	23.44	23.41	23.46		25.2	0.0

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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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	16.67	16.70	16.69		18.7	0.0
40	QPSK	1	53	16.89	16.92	16.86			
40	QPSK	1	104	16.69	16.78	16.64			
40	QPSK	50	0	16.67	16.67	16.77			
40	QPSK	50	28	16.77	16.90	16.85		18.7	0.0
40	QPSK	50	56	16.73	16.87	16.82			
40	QPSK	100	0	16.68	16.86	16.83		18.7	0.0
40	16QAM	1	53	16.69	16.80	16.89		18.7	0.0
40	64QAM	1	53	16.79	16.81	16.77		18.7	0.0
40	256QAM	1	53	16.78	16.83	16.87		18.7	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	16.69	16.80	16.76		18.7	0.0
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	16.81	16.81	16.88		18.7	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	16.70	16.62	16.77		18.7	0.0
Channel									
Frequency (MHz)				517504	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	16.76	16.84	16.80		18.7	0.0



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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											
Frequency (MHz)				509202	518598	528000					
Frequency (MHz)				2548.03	2552.99	2549					
100	QPSK	1	1	10.80	10.83	10.70					
100	QPSK	1	137	10.05	10.98	10.34	12.2	0.0			
100	QPSK	1	271	10.84	10.77	10.69					
100	QPSK	135	0	10.56	10.37	10.53	12.2	0.0			
100	QPSK	135	89	10.72	10.81	10.86	12.2	0.0			
100	QPSK	135	138	10.67	10.77	10.86					
100	QPSK	270	0	10.61	10.66	10.65	12.2	0.0			
100	16QAM	1	137	10.63	10.78	10.63	12.2	0.0			
100	64QAM	1	137	10.77	10.80	10.74	12.2	0.0			
100	256QAM	1	137	10.81	10.83	10.75	12.2	0.0			
Channel											
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)			
90	QPSK	1	120	10.92	10.85	10.81	12.2	0.0			
Channel											
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2538.02	2552.99	2549.98					
80	QPSK	1	109	10.93	10.82	10.80	12.2	0.0			
Channel											
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2531.01	2552.99	2555					
70	QPSK	1	95	10.90	10.83	10.86	12.2	0.0			
Channel											
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2526	2552.99	2559.98					
60	QPSK	1	81	10.83	10.86	10.82	12.2	0.0			
Channel											
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2521.02	2552.99	2564.99					
50	QPSK	1	67	10.85	10.82	10.79	12.2	0.0			
Channel											
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516.01	2552.99	2570					
40	QPSK	1	53	10.89	10.86	10.83	12.2	0.0			
Channel											
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2511	2552.99	2574.98					
30	QPSK	1	39	10.91	10.82	10.88	12.2	0.0			
Channel											
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2506.02	2552.99	2579.99					
20	QPSK	1	26	10.91	10.87	10.87	12.2	0.0			

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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											
Frequency (MHz)				509202	518598	528000					
Frequency (MHz)				2548.03	2552.99	2549					
100	QPSK	1	1	13.87	13.93	13.84					
100	QPSK	1	137	14.05	14.10	14.04	15.2	0.0			
100	QPSK	1	271	13.91	13.87	13.83					
100	QPSK	135	0	13.63	13.70	13.63	15.2	0.0			
100	QPSK	135	89	13.85	13.96	13.91	15.2	0.0			
100	QPSK	135	138	13.79	13.84	13.71					
100	QPSK	270	0	13.66	13.76	13.70	15.2	0.0			
100	16QAM	1	137	13.71	13.84	13.78	15.2	0.0			
100	64QAM	1	137	13.87	13.93	13.88	15.2	0.0			
100	256QAM	1	137	13.94	13.90	13.80	15.2	0.0			
Channel											
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)			
90	QPSK	1	120	13.97	13.99	13.92	15.2	0.0			
Channel											
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2538.02	2552.99	2549.98					
80	QPSK	1	109	13.92	14.02	13.90	15.2	0.0			
Channel											
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2531.01	2552.99	2555					
70	QPSK	1	95	14.00	14.06	13.93	15.2	0.0			
Channel											
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2526	2552.99	2559.98					
60	QPSK	1	81	13.98	14.03	13.86	15.2	0.0			
Channel											
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2521.02	2552.99	2564.99					
50	QPSK	1	67	13.94	13.98	13.96	15.2	0.0			
Channel											
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516.01	2552.99	2570					
40	QPSK	1	53	13.96	14.00	13.92	15.2	0.0			
Channel											
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2511	2552.99	2574.98					
30	QPSK	1	39	13.97	14.04	13.91	15.2	0.0			
Channel											
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2506.02	2552.99	2579.99					
20	QPSK	1	26	13.93	13.98	13.91	15.2	0.0			

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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											
Frequency (MHz)				509202	518598	528000					
Frequency (MHz)				2548.03	2552.99	2549					
100	QPSK	1	1	21.39	21.47	21.27					
100	QPSK	1	137	21.41	21.52	21.35	23.2	0.0			
100	QPSK	1	271	21.33	21.49	21.30					
100	QPSK	135	0	21.24	21.40	21.18	23.2	0.0			
100	QPSK	135	89	21.40	21.48	21.38	23.2	0.0			
100	QPSK	135	138	21.37	21.43	21.24					
100	QPSK	270	0	21.32	21.39	21.17	23.2	0.0			
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0			
100	64QAM	1	137	21.51	21.42	21.19	23.2	0.0			
100	256QAM	1	137	20.21	20.21	20.19	21.7	1.5			
Channel											
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)			
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0			
Channel											
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2538.02	2552.99	2549.98					
80	QPSK	1	109	21.35	21.43	21.17	23.2	0.0			
Channel											
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2531.01	2552.99	2555					
70	QPSK	1	95	21.31	21.41	21.24	23.2	0.0			
Channel											
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2526	2552.99	2559.98					
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0			
Channel											
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2521.02	2552.99	2564.99					
50	QPSK	1	67	21.33	21.44	21.20	23.2	0.0			
Channel											
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2516.01	2552.99	2570					
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0			
Channel											
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2511	2552.99	2574.98					
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0			
Channel											
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2506.02	2552.99	2579.99					
20	QPSK	1	26	21.39	21.42	21.20	23.2	0.0			



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.02	2592.99	2640		
100	QPSK	1	1	23.19	23.25	23.11	26.2	0.0
100	QPSK	1	137	24.36	24.45	24.41		
100	QPSK	1	271	23.11	23.17	23.10		
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0
100	QPSK	135	138	23.32	23.33	23.25		
100	QPSK	270	0	23.10	23.13	23.01	26.2	1.0
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0
100	64QAM	1	137	21.63	21.70	21.36	23.7	2.5
100	256QAM	1	137	20.25	20.29	20.20	21.7	4.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	24.28	24.41	23.82	26.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	24.15	24.26	23.80	26.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	24.19	24.38	23.78	26.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	24.22	24.27	23.78	26.2	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.02	2592.99	2640		
100	QPSK	1	1	14.25	14.44	14.34	16.2	0.0
100	QPSK	1	137	14.40	14.60	14.54		
100	QPSK	1	271	14.34	14.44	14.35		
100	QPSK	135	0	14.10	14.17	14.17	16.2	0.0
100	QPSK	135	69	14.36	14.54	14.36	16.2	0.0
100	QPSK	135	138	14.32	14.49	14.35		
100	QPSK	270	0	14.25	14.38	14.25	16.2	0.0
100	16QAM	1	137	14.30	14.36	14.26	16.2	0.0
100	64QAM	1	137	14.30	14.48	14.38	16.2	0.0
100	256QAM	1	137	14.30	14.30	14.30	16.2	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	14.38	14.54	14.41	16.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	14.40	14.54	14.46	16.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	14.40	14.48	14.42	16.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	14.44	14.54	14.49	16.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	14.54	14.52	14.41	16.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	14.44	14.47	14.49	16.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.39	14.53	14.48	16.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	14.44	14.51	14.45	16.2	0.0

n41_Ant 4_HPUE

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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.02	2592.99	2640		
100	QPSK	1	1	17.19	17.30	17.21	19.2	0.0
100	QPSK	1	137	17.42	17.47	17.41		
100	QPSK	1	271	17.28	17.36	17.23		
100	QPSK	135	0	17.00	17.12	17.05	19.2	0.0
100	QPSK	135	69	17.31	17.40	17.35	19.2	0.0
100	QPSK	135	138	17.27	17.34	17.26		
100	QPSK	270	0	17.17	17.26	17.14	19.2	0.0
100	16QAM	1	137	17.21	17.31	17.21	19.2	0.0
100	64QAM	1	137	17.25	17.36	17.24	19.2	0.0
100	256QAM	1	137	17.18	17.29	17.24	19.2	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	17.33	17.33	17.35	19.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	17.36	17.39	17.30	19.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	17.23	17.39	17.30	19.2	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.30	17.41	17.32	19.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.17	17.40	17.35	19.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.30	17.34	17.35	19.2	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.35	17.37	17.35	19.2	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	17.27	17.35	17.28	19.2	0.0



Full&Default Power for ENDC

Table for Band 2_Ant 3. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). It lists various channel configurations and their corresponding power levels and MPR values.

Table for Band 2_Ant 0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). It lists various channel configurations and their corresponding power levels and MPR values.

Table for Band 4_Ant 3. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). It lists various channel configurations and their corresponding power levels and MPR values.



Band 4_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.51	23.65	23.79	24.3	0		
20	QPSK	1	49	23.57	23.80	23.79				
20	QPSK	1	99	23.56	23.85	23.87	23.3	1		
20	QPSK	50	0	22.87	22.83	22.96				
20	QPSK	50	24	22.92	23.02	23.00	23.3	1		
20	QPSK	50	50	22.90	22.85	22.94				
20	QPSK	100	0	22.91	22.97	22.93	23.3	1		
20	16QAM	1	0	22.76	22.81	22.82				
20	16QAM	1	49	22.88	22.87	22.88	23.3	1		
20	16QAM	1	99	22.85	22.76	22.90				
20	16QAM	50	0	21.80	21.80	22.11	22.3	2		
20	16QAM	50	24	21.85	21.94	21.99				
20	16QAM	50	50	21.86	21.79	21.95	22.3	2		
20	16QAM	100	0	21.85	21.77	22.01				
20	64QAM	1	0	21.72	21.75	22.06	22.3	2		
20	64QAM	1	49	21.79	21.93	21.96				
20	64QAM	1	99	21.81	21.89	21.82	21.3	3		
20	64QAM	50	0	20.80	20.91	20.91				
20	64QAM	50	24	20.75	20.80	20.79	21.3	3		
20	64QAM	50	50	20.76	20.80	20.88				
20	64QAM	100	0	20.70	20.80	20.81				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.38	23.54	23.42	24.3	0		
15	QPSK	1	37	23.50	23.71	23.67				
15	QPSK	1	74	23.47	23.53	23.46	23.3	1		
15	QPSK	36	0	22.76	22.76	22.95				
15	QPSK	36	20	22.84	22.99	22.99	23.3	1		
15	QPSK	36	39	22.84	22.73	22.86				
15	QPSK	75	0	22.84	22.93	22.80	23.3	1		
15	16QAM	1	0	22.71	22.86	22.82				
15	16QAM	1	37	22.75	22.94	22.90	22.3	2		
15	16QAM	1	74	22.75	22.75	22.89				
15	16QAM	36	0	21.66	21.78	22.02	22.3	2		
15	16QAM	36	20	21.73	21.79	21.87				
15	16QAM	36	39	21.80	21.73	21.89	22.3	2		
15	16QAM	75	0	21.77	21.73	21.86				
15	64QAM	1	0	21.60	21.74	22.04	22.3	2		
15	64QAM	1	1	21.75	21.82	21.81				
15	64QAM	1	74	21.77	21.87	21.78	21.3	3		
15	64QAM	36	0	20.79	20.87	20.88				
15	64QAM	36	20	20.70	20.67	20.70	21.3	3		
15	64QAM	36	39	20.66	20.80	20.73				
15	64QAM	75	0	20.68	20.79	20.74				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.38	23.54	23.46	24.3	0		
10	QPSK	1	25	23.44	23.74	23.72				
10	QPSK	1	49	23.54	23.49	23.49	23.3	1		
10	QPSK	25	0	22.79	22.71	22.87				
10	QPSK	25	12	22.84	22.97	22.96	23.3	1		
10	QPSK	25	25	22.82	22.70	22.80				
10	QPSK	50	0	22.89	22.92	22.90	23.3	1		
10	16QAM	1	0	22.67	22.77	22.77				
10	16QAM	1	25	22.74	22.74	22.86	22.3	2		
10	16QAM	1	49	22.82	22.69	22.80				
10	16QAM	25	0	21.69	21.67	21.88	22.3	2		
10	16QAM	25	12	21.71	21.81	21.86				
10	16QAM	25	25	21.75	21.86	21.88	22.3	2		
10	16QAM	50	0	21.76	21.89	21.94				
10	64QAM	1	0	21.69	21.70	21.95	22.3	2		
10	64QAM	1	25	21.78	21.90	21.94				
10	64QAM	1	49	21.77	21.54	21.78	21.3	3		
10	64QAM	25	0	20.78	20.87	20.80				
10	64QAM	25	12	20.66	20.70	20.66	21.3	3		
10	64QAM	25	25	20.59	20.69	20.85				
10	64QAM	50	0	20.59	20.67	20.75				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.38	23.60	23.50	24.3	0		
5	QPSK	1	12	23.53	23.76	23.70				
5	QPSK	1	24	23.46	23.40	23.45	23.3	1		
5	QPSK	12	0	22.79	22.75	22.91				
5	QPSK	12	7	22.84	22.91	22.98	23.3	1		
5	QPSK	12	13	22.80	22.83	22.80				
5	QPSK	25	0	22.86	22.84	22.82	22.3	2		
5	16QAM	1	0	21.71	21.81	21.86				
5	16QAM	1	12	22.76	22.85	22.96	22.3	1		
5	16QAM	1	24	22.81	22.86	22.85				
5	16QAM	12	0	21.68	21.70	22.08	22.3	2		
5	16QAM	12	7	21.70	21.85	21.84				
5	16QAM	12	13	21.84	21.68	21.92	22.3	2		
5	16QAM	25	0	21.81	21.72	21.90				
5	64QAM	1	0	21.67	21.60	21.85	22.3	2		
5	64QAM	1	12	21.64	21.89	21.86				
5	64QAM	1	24	21.73	21.54	21.70	21.3	3		
5	64QAM	12	0	20.69	20.81	20.78				
5	64QAM	12	7	20.68	20.77	20.74	21.3	3		
5	64QAM	12	13	20.58	20.67	20.78				
5	64QAM	25	0	20.69	20.69	20.76				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.49	23.56	23.47	24.3	0		
3	QPSK	1	8	23.42	23.69	23.77				
3	QPSK	1	14	23.43	23.40	23.49	23.3	1		
3	QPSK	8	0	22.77	22.71	22.88				
3	QPSK	8	4	22.88	22.95	22.88	23.3	1		
3	QPSK	8	7	22.83	22.77	22.80				
3	QPSK	15	0	22.90	22.94	22.84	23.3	1		
3	16QAM	1	0	22.71	22.68	22.80				
3	16QAM	1	8	22.81	22.82	22.96	22.3	2		
3	16QAM	1	14	22.77	22.63	22.83				
3	16QAM	8	0	21.78	21.67	22.07	22.3	2		
3	16QAM	8	4	21.80	21.92	21.91				
3	16QAM	8	7	21.77	21.74	21.93	22.3	2		
3	16QAM	15	0	21.81	21.73	21.88				
3	64QAM	1	0	21.58	21.72	21.99	22.3	2		
3	64QAM	1	8	21.66	21.89	21.87				
3	64QAM	1	14	21.80	21.68	21.77	21.3	3		
3	64QAM	8	0	20.74	20.77	20.86				
3	64QAM	8	4	20.81	20.74	20.67	21.3	3		
3	64QAM	8	7	20.67	20.82	20.78				
3	64QAM	15	0	20.66	20.72	20.68				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.36	23.55	23.42	24.3	0		
1.4	QPSK	1	3	23.55	23.74	23.65				
1.4	QPSK	1	5	23.42	23.47	23.46	23.3	1		
1.4	QPSK	3	0	23.33	23.54	23.40				
1.4	QPSK	3	1	23.47	23.61	23.63	23.3	1		
1.4	QPSK	3	3	23.36	23.45	23.36				
1.4	QPSK	6	0	22.90	22.83	22.92	22.3	2		
1.4	16QAM	1	0	22.66	22.80	22.81				
1.4	16QAM	1	3	22.85	22.85	22.97	22.3	1		
1.4	16QAM	1	5	22.84	22.72	22.81				
1.4	16QAM	3	0	22.52	22.74	22.79	22.3	2		
1.4	16QAM	3	1	22.79	22.74	22.96				
1.4	16QAM	3	3	22.82	22.83	22.67	22.3	2		
1.4	16QAM	6	0	21.82	21.67	21.95				
1.4	64QAM	1	0	21.57	21.68	21.62	22.3	2		
1.4	64QAM	1	3	21.67	21.86	21.84				
1.4	64QAM	1	5	21.78	21.85	21.72	22.3	2		
1.4	64QAM	3	0	21.51	21.81	21.81				
1.4	64QAM	3	1	21.52	21.81	21.78	21.3	3		
1.4	64QAM	3	3	21.66	21.84	21.88				
1.4	64QAM	6	0	20.60	20.75	20.74				

Band 5_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.17	24.26	24.23	24.5	0		
10	QPSK	1	25	24.34	24.29	24.27				
10	QPSK	1	49	24.36	24.28	24.23	23.5	1		
10	QPSK	25	0	23.18	23.18	23.25				
10	QPSK	25	12	23.25	23.27	23.25	23.5	1		
10	QPSK	25	25	23.24	23.21	23.23				
10	QPSK	50	0	23.26	23.29	23.24	23.5	1		
10	16QAM									



Band 7_Ant 3										
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				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.13	23.26	23.15			24.3	0
20	QPSK	1	49	23.25	23.30	23.22				
20	QPSK	1	99	23.13	23.24	23.22			23.3	1
20	QPSK	50	0	22.17	22.24	22.25				
20	QPSK	50	24	22.25	22.26	22.27			23.3	1
20	QPSK	50	50	22.18	22.22	22.19				
20	QPSK	100	0	22.19	22.27	22.23			23.3	1
20	16QAM	1	0	22.25	22.22	22.23				
20	16QAM	1	49	22.18	22.22	22.13			22.3	2
20	16QAM	1	99	22.22	22.21	22.21				
20	16QAM	50	0	21.14	21.22	21.17			22.3	2
20	16QAM	50	24	21.22	21.18	21.08				
20	16QAM	50	50	21.13	21.15	21.17			22.3	2
20	16QAM	100	0	21.11	21.23	21.21				
20	64QAM	1	0	21.11	21.19	21.15			22.3	2
20	64QAM	1	49	21.20	21.17	21.13				
20	64QAM	1	99	21.19	21.22	21.08			21.3	3
20	64QAM	50	0	20.23	20.26	20.28				
20	64QAM	50	24	20.23	20.26	20.19			21.3	3
20	64QAM	50	50	20.29	20.26	20.17				
20	64QAM	100	0	20.21	20.25	20.21				
Channel				2025	2100	2175				
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	23.00	23.13	23.05			24.3	0
15	QPSK	1	37	23.16	23.20	23.08				
15	QPSK	1	74	23.12	23.25	23.95			23.3	1
15	QPSK	36	0	22.15	22.22	22.14				
15	QPSK	36	20	22.12	22.13	22.15			23.3	1
15	QPSK	36	39	22.17	22.18	22.04				
15	QPSK	75	0	22.09	22.16	22.09			23.3	1
15	16QAM	1	0	22.16	22.12	22.10				
15	16QAM	1	37	22.08	22.07	22.04			22.3	2
15	16QAM	1	74	22.10	22.10	22.12				
15	16QAM	36	0	21.12	21.18	21.16			21.3	3
15	16QAM	36	20	21.17	21.05	20.97				
15	16QAM	36	39	20.98	21.06	21.04				
15	16QAM	75	0	20.96	21.15	21.16			22.3	2
15	64QAM	1	0	20.99	21.13	21.08				
15	64QAM	1	37	21.11	21.15	21.08			21.3	3
15	64QAM	1	74	21.13	21.16	20.94				
15	64QAM	36	0	20.09	20.13	20.15			21.3	3
15	64QAM	36	20	20.08	20.16	20.07				
15	64QAM	36	39	20.16	20.27	20.12				
15	64QAM	75	0	20.13	20.21	20.14				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.09	23.24	23.01			24.3	0
10	QPSK	1	25	23.17	23.18	23.15				
10	QPSK	1	49	23.11	23.14	22.96			23.3	1
10	QPSK	25	0	22.05	22.11	22.19				
10	QPSK	25	12	22.24	22.15	22.25			23.3	1
10	QPSK	25	25	22.15	22.21	22.08				
10	QPSK	50	0	22.16	22.21	22.13			23.3	1
10	16QAM	1	0	22.18	22.07	22.12				
10	16QAM	1	25	22.15	22.21	21.98			22.3	2
10	16QAM	1	49	22.18	22.11	22.08				
10	16QAM	25	0	21.13	21.18	21.11			22.3	2
10	16QAM	25	12	21.14	21.17	21.00				
10	16QAM	25	25	21.06	21.05	21.04			21.3	3
10	16QAM	50	0	21.02	21.09	21.16				
10	64QAM	1	0	21.09	21.17	21.12			22.3	2
10	64QAM	1	25	21.12	21.11	20.98				
10	64QAM	1	49	21.12	21.11	21.00			21.3	3
10	64QAM	25	0	20.15	20.19	20.22				
10	64QAM	25	12	20.12	20.17	20.12				
10	64QAM	25	25	20.26	20.13	20.03				
10	64QAM	50	0	20.15	20.11	20.13				
Channel				20775	21100	21425				
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	23.10	23.12	23.07			24.3	0
5	QPSK	1	12	23.12	23.27	23.17				
5	QPSK	1	24	23.07	23.15	23.04			23.3	1
5	QPSK	12	0	22.03	22.13	22.12				
5	QPSK	12	7	22.15	22.18	22.20			23.3	1
5	QPSK	12	13	22.10	22.16	22.16				
5	QPSK	25	0	22.11	22.14	22.08			23.3	1
5	16QAM	1	0	22.14	22.18	22.21				
5	16QAM	1	12	22.06	22.07	22.10			22.3	2
5	16QAM	1	24	22.19	22.18	22.07				
5	16QAM	12	0	21.05	21.15	21.07			21.3	3
5	16QAM	12	7	21.17	21.15	20.96				
5	16QAM	12	13	21.05	21.04	21.08				
5	16QAM	25	0	21.08	21.17	21.19				
5	64QAM	1	0	20.99	21.10	21.09			22.3	2
5	64QAM	1	12	21.18	21.08	21.07				
5	64QAM	1	24	21.16	21.18	20.93			21.3	3
5	64QAM	12	0	20.09	20.24	20.16				
5	64QAM	12	7	20.20	20.23	20.09				
5	64QAM	12	13	20.25	20.22	20.02				
5	64QAM	25	0	20.15	20.15	20.16				

Band 7_Ant 0										
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	23.82	23.76	23.87			24.3	0
20	QPSK	1	49	23.83	23.80	23.87				
20	QPSK	1	99	23.88	23.78	23.85			23.3	1
20	QPSK	50	0	22.81	22.85	22.82				
20	QPSK	50	24	22.83	22.91	22.83			23.3	1
20	QPSK	50	50	22.76	22.89	22.81				
20	QPSK	100	0	22.80	22.89	22.84			23.3	1
20	16QAM	1	0	22.88	22.83	22.87				
20	16QAM	1	49	22.82	22.84	22.72			22.3	2
20	16QAM	1	99	22.80	22.75	22.80				
20	16QAM	50	0	21.88	21.80	21.87			22.3	2
20	16QAM	50	24	21.84	21.85	21.78				
20	16QAM	50	50	21.74	21.77	21.74			22.3	2
20	16QAM	100	0	21.74	21.84	21.79				
20	64QAM	1	0	21.84	21.73	21.82			22.3	2
20	64QAM	1	49	21.53	21.70	21.70				
20	64QAM	1	99	21.59	21.76	21.74			21.3	3
20	64QAM	50	0	20.82	20.80	20.81				
20	64QAM	50	24	20.52	20.80	20.77			21.3	3
20	64QAM	50	50	20.73	20.76	20.60				
20	64QAM	100	0	20.67	20.83	20.70				
Channel				20925	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.49	23.63	23.60			24.3	0
15	QPSK	1	37	23.83	23.81	23.72				
15	QPSK	1	74	23.57	23.64	23.57			23.3	1
15	QPSK	36	0	22.71	22.87	22.77				
15	QPSK	36	20	22.72	22.84	22.76			23.3	1
15	QPSK	36	39	22.86	22.74	22.74				
15	QPSK	75	0	22.85	22.86	22.76			23.3	1
15	16QAM	1	0	22.83	22.80	22.84				
15	16QAM	1	37	22.57	22.77	22.58			22.3	2
15	16QAM	1	74	22.75	22.68	22.68				
15	16QAM	36	0	21.52	21.72	21.81			22.3	2
15	16QAM	36	20	21.56	21.84	21.85				
15	16QAM	36	39	21.80	21.72	21.74				
15	16QAM	75	0	21.74	21.71	21.75			22.3	2



Band 12_Ant 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												
Frequency (MHz)												
10	QPSK	1	0	24.28	24.26	24.21	24.7	0				
10	QPSK	1	25	24.31	24.42	24.26						
10	QPSK	1	49	24.25	24.26	24.26						
10	QPSK	25	0	23.38	23.42	23.33	23.7	1				
10	QPSK	25	12	23.41	23.44	23.43						
10	QPSK	25	25	23.39	23.37	23.41						
10	QPSK	50	0	23.42	23.43	23.39	23.7	1				
10	16QAM	1	0	23.30	23.32	23.29						
10	16QAM	1	25	23.27	23.29	23.28						
10	16QAM	1	49	23.25	23.26	23.29	22.7	2				
10	16QAM	25	0	22.28	22.28	22.25						
10	16QAM	25	12	22.26	22.31	22.26						
10	16QAM	25	25	22.30	22.34	22.28	22.7	2				
10	16QAM	50	0	22.29	22.21	22.29						
10	16QAM	50	0	22.21	22.19	22.20						
10	64QAM	1	0	22.21	22.19	22.20	21.7	3				
10	64QAM	1	25	22.17	22.27	22.23						
10	64QAM	1	49	22.27	22.29	22.18						
10	64QAM	25	0	21.26	21.18	21.22	21.7	3				
10	64QAM	25	12	21.39	21.30	21.19						
10	64QAM	25	25	21.38	21.29	21.29						
10	64QAM	50	0	21.29	21.24	21.26	21.7	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.16	24.16	24.10	24.7	0				
5	QPSK	1	12	24.19	24.23	24.22						
5	QPSK	1	24	24.16	24.22	24.20						
5	QPSK	12	0	23.33	23.31	23.19	23.7	1				
5	QPSK	12	7	23.38	23.37	23.28						
5	QPSK	12	13	23.25	23.32	23.35						
5	QPSK	25	0	23.27	23.28	23.38	23.7	1				
5	16QAM	1	12	23.12	23.16	23.26						
5	16QAM	1	12	23.12	23.16	23.26						
5	16QAM	1	24	23.14	23.11	23.24	22.7	2				
5	16QAM	12	0	22.24	22.27	22.14						
5	16QAM	12	7	22.18	22.17	22.17						
5	16QAM	12	13	22.15	22.32	22.19	22.7	2				
5	16QAM	25	0	22.23	22.11	22.27						
5	16QAM	25	0	22.10	22.12	22.16						
5	64QAM	1	12	22.09	22.12	22.08	21.7	3				
5	64QAM	1	24	22.26	22.24	22.15						
5	64QAM	12	0	21.23	21.06	21.08						
5	64QAM	12	7	21.30	21.28	21.11	21.7	3				
5	64QAM	12	13	21.37	21.24	21.21						
5	64QAM	25	0	21.26	21.19	21.25						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.15	24.18	24.08	24.7	0				
3	QPSK	1	8	24.18	24.26	24.27						
3	QPSK	1	14	24.24	24.16	24.16						
3	QPSK	8	0	23.27	23.41	23.19	23.7	1				
3	QPSK	8	4	23.30	23.31	23.40						
3	QPSK	8	7	23.33	23.27	23.30						
3	QPSK	15	0	23.41	23.37	23.31	23.7	1				
3	16QAM	1	0	23.17	23.18	23.23						
3	16QAM	1	8	23.17	23.21	23.23						
3	16QAM	1	14	23.19	23.23	23.19	22.7	2				
3	16QAM	8	0	22.16	22.24	22.23						
3	16QAM	8	4	22.20	22.21	22.23						
3	16QAM	8	7	22.19	22.30	22.19	22.7	2				
3	16QAM	15	0	22.16	22.12	22.28						
3	64QAM	1	0	22.09	22.13	22.14						
3	64QAM	1	8	22.04	22.14	22.21	22.7	2				
3	64QAM	1	14	22.19	22.24	22.06						
3	64QAM	8	0	21.21	21.11	21.10						
3	64QAM	8	4	21.38	21.29	21.10	21.7	3				
3	64QAM	8	7	21.24	21.21	21.16						
3	64QAM	15	0	21.26	21.21	21.16						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.20	24.14	24.10	24.7	0				
1.4	QPSK	1	3	24.26	24.21	24.27						
1.4	QPSK	1	5	24.23	24.13	24.15						
1.4	QPSK	3	0	24.16	24.02	23.95	23.7	1				
1.4	QPSK	3	1	24.19	24.13	24.12						
1.4	QPSK	3	3	24.14	24.12	24.00						
1.4	QPSK	6	0	23.36	23.39	23.29	23.7	1				
1.4	16QAM	1	0	23.18	23.27	23.25						
1.4	16QAM	1	3	23.26	23.26	23.15						
1.4	16QAM	1	5	23.22	23.18	23.18	23.7	1				
1.4	16QAM	3	0	23.09	23.18	23.23						
1.4	16QAM	3	1	23.25	23.22	23.08						
1.4	16QAM	3	3	23.21	23.15	23.12	22.7	2				
1.4	16QAM	6	0	22.18	22.18	22.17						
1.4	64QAM	1	0	22.09	22.08	22.08						
1.4	64QAM	1	3	22.22	22.25	22.10	22.7	2				
1.4	64QAM	1	5	22.22	22.25	22.10						
1.4	64QAM	3	0	22.05	22.07	22.05						
1.4	64QAM	3	1	22.08	22.10	22.06	21.7	3				
1.4	64QAM	3	3	22.13	22.18	22.00						
1.4	64QAM	6	0	21.14	21.22	21.11						

Band 12_Ant 0										
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										
Frequency (MHz)										
10	QPSK	1	0	23.26	23.13	23.15	24.7	0		
10	QPSK	1	25	23.28	23.42	23.27				
10	QPSK	1	49	23.27	23.15	23.24				
10	QPSK	25	0	22.21	22.20	22.15	23.7	1		
10	QPSK	25	12	22.24	22.28	22.27				
10	QPSK	25	25	22.18	22.22	22.24				
10	QPSK	50	0	22.21	22.28	22.24	23.7	1		
10	16QAM	1	0	22.09	22.18	22.04				
10	16QAM	1	25	22.09	22.22	22.25				
10	16QAM	1	49	22.04	22.09	22.11	22.7	2		
10	16QAM	25	0	21.23	21.24	21.26				
10	16QAM	25	12	21.35	21.23	21.15				
10	16QAM	25	25	21.12	21.32	21.32	22.7	2		
10	16QAM	50	0	21.20	21.18	21.20				
10	64QAM	1	0	21.10	21.23	21.22				
10	64QAM	1	25	21.33	21.13	21.11	22.7	2		
10	64QAM	1	49	21.08	21.28	21.18				
10	64QAM	25	0	20.18	20.27	20.25				
10	64QAM	25	12	20.21	20.27	20.15	21.7	3		
10	64QAM	25	25	20.13	20.25	20.35				
10	64QAM	50	0	20.18	20.25	20.23				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.22	23.07	23.02	24.7	0		
5	QPSK	1	12	23.18	23.26	23.13				
5	QPSK	1	24	23.08	23.09	23.19				
5	QPSK	12	0	22.14	22.17	22.14	23.7	1		
5	QPSK	12	7	22.10	22.14	22.18				
5	QPSK	12	13	22.08	22.15	22.23				
5	QPSK	25	0	22.21	22.24	22.17	23.7	1		
5	16QAM	1	12	21.98	22.15	22.14				
5	16QAM	1	12	21.98	22.15	22.14				
5	16QAM	1	24	21.97	22.09	21.98	22.7	2		
5	16QAM	12	0	21.19	21.11	21.19				
5	16QAM	12	7	21.31	21.23	21.04				
5	16QAM	12	13	20.98	21.23	21.28	22.7	2		
5	16QAM	25	0	21.07	21.17	21.16				
5	64QAM	1	0	21.06	21.08	21.10				
5	64QAM	1	12	21.18	21.11	21.00	21.7	3		
5	64QAM	1	24	21.01	21.28	21.04				
5	64QAM	12	0	20.09	20.16	20.23				
5	64QAM	12	7	20.15	20.17	20.04	21.7	3		
5	64QAM	12	13	19.99	20.24	20.31				
5	64QAM	25	0	20.09	20.18	20.22				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.25	23.05	23.09	24.7	0		
3	QPSK	1	8	23.27	23.24	23.12				
3	QPSK	1	14	23.16	23.10	23.18				
3	QPSK	8	0	22.32	22.07	22.01	23.7	1		
3	QPSK	8	4	22.14	22.27	22.22				
3	QPSK	8	7	22.12	22.14	22.18				
3	QPSK	15	0							



Band 66_Ant 0										
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	23.09	23.18	23.04				
20	QPSK	1	49	23.14	23.25	23.19	24.3	0		
20	QPSK	1	99	22.88	23.02	23.02				
20	QPSK	50	0	22.27	22.28	22.28				
20	QPSK	50	24	22.28	22.23	22.25				
20	QPSK	50	50	22.20	22.24	22.15	23.3	1		
20	QPSK	100	0	22.21	22.25	22.21				
20	16QAM	1	0	22.28	22.22	22.25				
20	16QAM	1	49	22.15	22.24	22.28	23.3	1		
20	16QAM	1	99	22.07	22.23	22.12				
20	16QAM	50	0	20.97	21.27	21.27				
20	16QAM	50	24	20.98	21.23	21.30				
20	16QAM	50	50	21.06	21.10	21.15	22.3	2		
20	16QAM	100	0	21.03	21.20	21.14				
20	64QAM	1	0	21.18	21.22	21.25				
20	64QAM	1	49	21.11	21.22	21.25	22.3	2		
20	64QAM	1	99	21.07	21.11	20.88				
20	64QAM	50	0	20.00	20.24	20.22				
20	64QAM	50	24	19.93	20.20	20.18				
20	64QAM	50	50	20.36	20.16	20.07	21.3	3		
20	64QAM	100	0	20.01	20.22	20.17				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.99	23.16	23.00				
15	QPSK	1	37	23.08	23.23	23.16	24.3	0		
15	QPSK	1	74	22.74	22.92	22.92				
15	QPSK	36	0	22.20	22.16	22.14				
15	QPSK	36	20	22.14	22.21	22.24				
15	QPSK	36	39	22.18	22.18	22.09	23.3	1		
15	QPSK	75	0	22.10	22.21	22.16				
15	16QAM	1	0	22.16	22.14	22.14				
15	16QAM	1	37	22.13	22.14	22.21	23.3	1		
15	16QAM	1	74	22.02	22.21	22.09				
15	16QAM	36	0	20.97	21.13	21.20				
15	16QAM	36	20	20.88	21.08	21.28				
15	16QAM	36	39	21.01	21.01	21.01	22.3	2		
15	16QAM	75	0	20.98	21.15	21.10				
15	64QAM	1	0	21.07	21.14	21.14				
15	64QAM	1	37	21.06	21.10	21.24	22.3	2		
15	64QAM	1	74	20.99	20.96	20.75				
15	64QAM	36	0	19.88	20.14	20.15				
15	64QAM	36	20	19.80	20.14	20.16				
15	64QAM	36	39	19.92	20.14	20.02	21.3	3		
15	64QAM	75	0	19.91	20.15	20.06				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.07	23.05	23.03				
10	QPSK	1	25	23.01	23.17	23.16	24.3	0		
10	QPSK	1	49	22.80	22.91	23.00				
10	QPSK	25	0	22.27	22.21	22.19				
10	QPSK	25	12	22.27	22.21	22.19	23.3	1		
10	QPSK	25	25	22.14	22.09	22.11				
10	QPSK	50	0	22.11	22.25	22.08				
10	16QAM	1	0	22.16	22.15	22.15				
10	16QAM	1	25	22.01	22.24	22.16	23.3	1		
10	16QAM	1	49	22.00	22.21	21.97				
10	16QAM	25	0	20.97	21.22	21.12				
10	16QAM	25	12	20.90	21.14	21.28				
10	16QAM	25	25	21.03	21.03	21.05	22.3	2		
10	16QAM	50	0	20.97	21.20	21.13				
10	64QAM	1	0	21.08	21.11	21.21				
10	64QAM	1	25	21.03	21.10	21.15	22.3	2		
10	64QAM	1	49	20.94	21.11	20.86				
10	64QAM	25	0	19.95	20.20	20.17				
10	64QAM	25	12	19.85	20.14	20.15				
10	64QAM	25	25	19.97	20.08	19.92	21.3	3		
10	64QAM	50	0	19.87	20.20	20.11				
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.97	23.12	23.03				
5	QPSK	1	12	23.12	23.27	23.05	24.3	0		
5	QPSK	1	24	22.85	22.98	22.93				
5	QPSK	12	0	22.18	22.20	22.22				
5	QPSK	12	7	22.22	22.23	22.17	23.3	1		
5	QPSK	12	13	22.07	22.12	22.02				
5	QPSK	25	0	22.18	22.12	22.08				
5	16QAM	1	0	22.18	22.08	22.16				
5	16QAM	1	12	22.03	22.12	22.13	23.3	1		
5	16QAM	1	24	21.95	22.20	21.98				
5	16QAM	12	0	20.83	21.15	21.17				
5	16QAM	12	7	20.85	21.22	21.21	22.3	2		
5	16QAM	12	13	21.02	21.06	21.08				
5	16QAM	25	0	21.00	21.19	21.01				
5	64QAM	1	0	21.08	21.18	21.17				
5	64QAM	1	12	21.05	21.08	21.19	22.3	2		
5	64QAM	1	24	20.99	20.97	20.82				
5	64QAM	12	0	19.89	20.23	20.09				
5	64QAM	12	7	19.89	20.10	20.18	21.3	3		
5	64QAM	12	13	20.05	20.16	19.98				
5	64QAM	25	0	19.98	20.09	20.12				
Channel				131967	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.99	23.10	22.95				
3	QPSK	1	8	23.10	23.27	23.19	24.3	0		
3	QPSK	1	14	22.73	22.87	23.02				
3	QPSK	8	0	22.15	22.25	22.24				
3	QPSK	8	4	22.23	22.20	22.22				
3	QPSK	8	7	22.07	22.18	22.04	23.3	1		
3	QPSK	15	0	22.11	22.15	22.13				
3	16QAM	1	0	22.25	22.07	22.18				
3	16QAM	1	8	22.14	22.13	22.21	23.3	1		
3	16QAM	1	14	21.93	22.10	22.12				
3	16QAM	8	0	20.94	21.28	21.14				
3	16QAM	8	4	20.91	21.13	21.21	22.3	2		
3	16QAM	8	7	21.03	21.06	21.01				
3	16QAM	15	0	20.89	21.11	21.09				
3	64QAM	1	0	21.14	21.09	21.13	22.3	2		
3	64QAM	1	8	21.00	21.13	21.19				
3	64QAM	1	14	20.98	21.07	20.76				
3	64QAM	8	0	19.93	20.11	20.17				
3	64QAM	8	4	19.87	20.17	20.15	21.3	3		
3	64QAM	8	7	20.85	20.16	19.94				
3	64QAM	15	0	19.86	20.21	20.12				
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.00	23.17	22.91				
1.4	QPSK	1	3	23.00	23.23	23.05	24.3	0		
1.4	QPSK	1	5	22.84	23.01	22.87				
1.4	QPSK	3	0	22.90	23.06	22.81				
1.4	QPSK	3	1	22.94	23.10	22.96				
1.4	QPSK	3	3	22.79	22.91	22.86				
1.4	QPSK	6	0	22.08	22.14	22.12	23.3	1		
1.4	16QAM	1	0	22.14	22.08	22.20				
1.4	16QAM	1	3	22.13	22.22	22.11				
1.4	16QAM	1	5	22.04	22.14	21.97				
1.4	16QAM	3	0	22.10	22.05	22.18	23.3	1		
1.4	16QAM	3	1	22.10	22.11	22.06				
1.4	16QAM	3	3	21.98	21.98	21.93				
1.4	16QAM	6	0	20.91	21.15	21.01	22.3	2		
1.4	64QAM	1	0	21.15	21.12	21.12				
1.4	64QAM	1	3	21.09	21.15	21.19				
1.4	64QAM	1	5	20.94	21.05	20.79	21.3	2		
1.4	64QAM	3	0	21.08	21.10	21.04				
1.4	64QAM	3	1	21.03	21.01	21.15				
1.4	64QAM	3	3	20.81	20.96	20.69				
1.4	64QAM	6	0	19.98	20.07	20.17	21.3	3		

Band 66_Ant 4										
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	23.58	23.76	23.80				
20	QPSK	1	49	23.66	23.90	23.89	24.3	0		
20	QPSK	1	99	23.53	23.73	23.70				
20	QPSK	50	0	22.90	22.97	22.91				
20	QPSK	50	24	22.96	22.98	22.93				
20	QPSK	50	50	22.70	22.80	22.76	23.3	1		
20	QPSK	100	0	22.79	22.89	22.83				
20	16QAM	1	0	22.82	22.87	22.83				
20	16QAM	1	49	22.89	22					



Reduced Power for DSI 1 ENDC

Table for Band 2_Ant 3. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). Rows are grouped by Channel (18700, 18900, 19100) and Frequency (MHz).

Table for Band 2_Ant 0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). Rows are grouped by Channel (18700, 18900, 19100) and Frequency (MHz).

Table for Band 4_Ant 3. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). Rows are grouped by Channel (20050, 20175, 20300) and Frequency (MHz).



Band 4_Ant 4										
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				2050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	18.11	18.10	18.02				
20	QPSK	1	49	18.16	18.18	18.17	18.8	0		
20	QPSK	1	99	18.05	18.10	18.10				
20	QPSK	50	0	18.09	18.13	18.09				
20	QPSK	50	24	18.11	18.15	18.13				
20	QPSK	50	50	18.09	18.04	18.11	18.8	0		
20	QPSK	100	0	18.05	18.12	18.10				
20	16QAM	1	0	18.08	18.13	18.05				
20	16QAM	1	49	18.11	18.07	18.09	18.8	0		
20	16QAM	1	99	18.03	18.10	18.04				
20	16QAM	25	0	18.06	18.12	18.06				
20	16QAM	50	24	18.09	18.13	18.05				
20	16QAM	50	50	18.03	18.12	18.04	18.8	0		
20	16QAM	100	0	18.03	18.11	18.04				
20	64QAM	1	0	18.08	18.03	18.11				
20	64QAM	1	49	18.01	18.03	18.05	18.8	0		
20	64QAM	1	99	18.04	18.07	18.03				
20	64QAM	50	0	18.03	18.12	18.05				
20	64QAM	50	24	18.05	18.11	18.12				
20	64QAM	50	50	18.03	18.12	18.12	18.8	0		
20	64QAM	100	0	18.04	18.09	18.16				
Channel				20325	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	18.00	18.01	17.95				
15	QPSK	1	37	18.02	18.03	18.11	18.8	0		
15	QPSK	1	74	17.97	18.08	17.97				
15	QPSK	36	0	17.99	18.05	17.95				
15	QPSK	36	20	17.99	18.08	18.06				
15	QPSK	36	39	17.99	17.93	18.05	18.8	0		
15	QPSK	75	0	18.00	18.05	17.99				
15	16QAM	1	0	17.91	17.96	17.98				
15	16QAM	1	37	17.97	17.97	17.96	18.8	0		
15	16QAM	1	74	17.96	18.05	17.94				
15	16QAM	36	0	17.91	18.02	17.92				
15	16QAM	36	20	18.02	18.03	17.93				
15	16QAM	36	39	17.94	17.99	17.99	18.8	0		
15	16QAM	75	0	17.91	17.97	17.99				
15	64QAM	1	0	17.99	17.99	17.96				
15	64QAM	1	37	17.91	17.96	17.98	18.8	0		
15	64QAM	1	74	17.92	17.96	17.95				
15	64QAM	36	0	17.84	18.07	17.99				
15	64QAM	36	20	17.98	17.99	17.98	18.8	0		
15	64QAM	36	39	17.97	17.98	18.03				
15	64QAM	75	0	17.98	18.04	18.08				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	17.97	17.97	17.88				
10	QPSK	1	25	18.11	18.07	18.05	18.8	0		
10	QPSK	1	49	17.97	17.96	17.96				
10	QPSK	25	0	18.03	18.08	17.97				
10	QPSK	25	12	17.98	18.03	18.05	18.8	0		
10	QPSK	25	25	17.95	17.92	17.99				
10	QPSK	50	0	17.90	18.05	17.99				
10	16QAM	1	0	17.93	17.98	17.91				
10	16QAM	1	25	17.99	17.94	18.00	18.8	0		
10	16QAM	1	49	17.96	17.97	17.93				
10	16QAM	25	0	17.96	18.06	17.93				
10	16QAM	25	12	17.96	18.03	17.97	18.8	0		
10	16QAM	25	25	17.91	18.02	17.99				
10	16QAM	50	0	17.97	18.02	17.89				
10	64QAM	1	0	17.96	17.88	18.05				
10	64QAM	1	25	17.89	17.97	17.93	18.8	0		
10	64QAM	1	49	17.93	17.95	17.91				
10	64QAM	25	0	17.97	17.99	18.03				
10	64QAM	25	12	17.96	18.06	17.97	18.8	0		
10	64QAM	25	25	17.98	18.06	18.06				
10	64QAM	50	0	17.97	18.07	18.11				
Channel				19875	20175	20330	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	17.99	17.96	17.87				
5	QPSK	1	12	18.08	18.03	18.07	18.8	0		
5	QPSK	1	24	18.00	18.08	17.95				
5	QPSK	12	0	18.00	18.06	17.94				
5	QPSK	12	7	17.97	18.03	18.04	18.8	0		
5	QPSK	12	13	18.01	17.96	18.04				
5	QPSK	25	0	17.99	18.07	17.98				
5	16QAM	1	0	18.02	18.02	17.95				
5	16QAM	1	12	18.06	17.96	18.03	18.8	0		
5	16QAM	1	24	17.88	18.00	17.94				
5	16QAM	12	0	17.93	18.03	18.00				
5	16QAM	12	7	17.96	17.99	17.96	18.8	0		
5	16QAM	12	13	17.90	17.98	17.92				
5	16QAM	25	0	17.97	17.96	17.92				
5	64QAM	1	0	17.94	17.90	17.97				
5	64QAM	1	12	17.91	17.96	17.98	18.8	0		
5	64QAM	1	24	17.89	18.00	17.96				
5	64QAM	12	0	17.95	18.07	17.90				
5	64QAM	12	7	17.97	18.02	18.03	18.8	0		
5	64QAM	12	13	17.97	17.97	17.99				
5	64QAM	25	0	17.90	18.00	18.09				
Channel				19665	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	17.99	18.04	17.94				
3	QPSK	1	8	18.03	18.08	18.08	18.8	0		
3	QPSK	1	14	17.93	18.05	17.96				
3	QPSK	8	0	18.03	18.06	18.01				
3	QPSK	8	4	18.00	18.04	17.99	18.8	0		
3	QPSK	8	7	17.94	17.91	18.04				
3	QPSK	15	0	17.98	18.07	17.99				
3	16QAM	1	0	17.99	18.06	17.97				
3	16QAM	1	8	17.97	17.97	18.04	18.8	0		
3	16QAM	1	14	17.93	18.04	17.96				
3	16QAM	8	0	18.00	18.03	17.95				
3	16QAM	8	4	17.95	17.96	17.92	18.8	0		
3	16QAM	8	7	17.89	18.07	17.98				
3	16QAM	15	0	17.94	18.06	17.92				
3	64QAM	1	0	17.99	17.97	18.03				
3	64QAM	1	8	17.88	17.98	17.91	18.8	0		
3	64QAM	1	14	17.98	17.95	17.97				
3	64QAM	8	0	17.96	17.97	17.93				
3	64QAM	8	4	17.97	18.02	18.04	18.8	0		
3	64QAM	8	7	17.92	18.00	17.98				
3	64QAM	15	0	17.91	17.97	18.08				
Channel				19877	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	17.96	17.95	17.92				
1.4	QPSK	1	3	18.10	18.13	18.05	18.8	0		
1.4	QPSK	1	5	17.99	17.99	18.02				
1.4	QPSK	3	0	18.00	18.00	17.94				
1.4	QPSK	3	1	17.98	18.01	17.99	18.8	0		
1.4	QPSK	3	3	18.00	17.89	18.01				
1.4	QPSK	6	0	17.97	18.04	18.03	18.8	0		
1.4	16QAM	1	0	17.93	17.90	17.97				
1.4	16QAM	1	3	18.05	17.99	18.04	18.8	0		
1.4	16QAM	1	5	17.91	17.99	18.04				
1.4	16QAM	3	0	17.96	18.03	18.01				
1.4	16QAM	3	1	17.95	18.06	17.92	18.8	0		
1.4	16QAM	3	3	17.95	18.07	17.89				
1.4	16QAM	6	0	17.96	18.03	17.89	18.8	0		
1.4	64QAM	1	0	17.94	17.95	18.00				
1.4	64QAM	1	3	17.91	17.96	17.91	18.8	0		
1.4	64QAM	1	5	17.84	18.01	17.92				
1.4	64QAM	3	0	17.89	18.03	17.97	18.8	0		
1.4	64QAM	3	1	17.93	18.05	18.02				
1.4	64QAM	3	3	17.93	17.97	18.01				
1.4	64QAM	6	0	17.89	17.96	18.09	18.8	0		

Band 5_Ant 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	18.19	18.16	18.21				
10	QPSK	1	25	18.27	18.28	18.25	18.5	0		
10	QPSK	1	49	18.16	18.14	18.21				
10	QPSK	25	0	18.21	18.18	18.17				
10	QPSK	25	12	18.22	18.25	18.21	18.5	0		
10	QPSK	25	25	18.20	18.18	18.18				
10	QPSK	50	0	18.14	18.21	18.19				
10	16QAM	1	0	18.14	18.19	18.12				
10	16QAM	1	25	18.14						



Band 7_Ant 3										
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	14.84	14.87	14.82				
20	QPSK	1	49	14.72	14.78	14.74	15.8	0		
20	QPSK	1	99	14.58	14.61	14.58				
20	QPSK	50	0	14.82	14.71	14.58				
20	QPSK	50	24	14.73	14.75	14.70				
20	QPSK	50	50	14.59	14.71	14.80				
20	QPSK	100	0	14.58	14.63	14.61				
20	16QAM	1	0	14.59	14.70	14.68				
20	16QAM	1	49	14.65	14.63	14.68	15.8	0		
20	16QAM	1	99	14.62	14.63	14.69				
20	16QAM	50	0	14.58	14.71	14.86				
20	16QAM	50	24	14.58	14.64	14.66				
20	16QAM	50	50	14.60	14.70	14.63				
20	16QAM	100	0	14.64	14.83	14.65				
20	64QAM	1	0	14.59	14.68	14.63				
20	64QAM	1	49	14.67	14.71	14.66	15.8	0		
20	64QAM	1	99	14.59	14.72	14.61				
20	64QAM	50	0	14.65	14.73	14.59				
20	64QAM	50	24	14.63	14.66	14.69				
20	64QAM	50	50	14.65	14.73	14.63				
20	64QAM	100	0	14.70	14.69	14.59				
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	14.57	14.58	14.57				
15	QPSK	1	37	14.57	14.64	14.64	15.8	0		
15	QPSK	1	74	14.43	14.53	14.54				
15	QPSK	36	0	14.51	14.58	14.57				
15	QPSK	36	20	14.63	14.65	14.67				
15	QPSK	36	39	14.47	14.58	14.48	15.8	0		
15	QPSK	75	0	14.45	14.57	14.50				
15	16QAM	1	0	14.44	14.62	14.55				
15	16QAM	1	37	14.56	14.58	14.58	15.8	0		
15	16QAM	1	74	14.56	14.50	14.59				
15	16QAM	36	0	14.51	14.58	14.52				
15	16QAM	36	20	14.48	14.50	14.60				
15	16QAM	36	39	14.47	14.56	14.58	15.8	0		
15	16QAM	75	0	14.49	14.54	14.58				
15	64QAM	1	0	14.47	14.55	14.53				
15	64QAM	1	37	14.61	14.63	14.57	15.8	0		
15	64QAM	1	74	14.52	14.59	14.50				
15	64QAM	36	0	14.56	14.67	14.48				
15	64QAM	36	20	14.51	14.52	14.54				
15	64QAM	36	39	14.53	14.59	14.49	15.8	0		
15	64QAM	75	0	14.62	14.67	14.66				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	14.53	14.58	14.51				
10	QPSK	1	25	14.59	14.71	14.68	15.8	0		
10	QPSK	1	49	14.46	14.80	14.55				
10	QPSK	25	0	14.47	14.64	14.62				
10	QPSK	25	12	14.63	14.68	14.64				
10	QPSK	25	25	14.44	14.57	14.45	15.8	0		
10	QPSK	50	0	14.50	14.54	14.49				
10	16QAM	1	0	14.44	14.56	14.63				
10	16QAM	1	25	14.54	14.57	14.57	15.8	0		
10	16QAM	1	49	14.56	14.48	14.56				
10	16QAM	25	0	14.46	14.80	14.54				
10	16QAM	25	12	14.49	14.52	14.80				
10	16QAM	25	25	14.52	14.65	14.50				
10	16QAM	50	0	14.57	14.54	14.57				
10	64QAM	1	0	14.47	14.60	14.49				
10	64QAM	1	25	14.57	14.60	14.60	15.8	0		
10	64QAM	1	49	14.45	14.82	14.55				
10	64QAM	25	0	14.52	14.60	14.53				
10	64QAM	25	12	14.58	14.61	14.50				
10	64QAM	25	25	14.50	14.61	14.51	15.8	0		
10	64QAM	50	0	14.56	14.65	14.50				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	14.50	14.54	14.51				
5	QPSK	1	12	14.62	14.65	14.63	15.8	0		
5	QPSK	1	24	14.52	14.52	14.59				
5	QPSK	12	0	14.49	14.62	14.59				
5	QPSK	12	7	14.66	14.61	14.64	15.8	0		
5	QPSK	12	13	14.45	14.58	14.51				
5	QPSK	25	0	14.51	14.51	14.50				
5	16QAM	1	0	14.47	14.56	14.55				
5	16QAM	1	12	14.59	14.48	14.61	15.8	0		
5	16QAM	1	24	14.50	14.48	14.56				
5	16QAM	12	0	14.47	14.61	14.57				
5	16QAM	12	7	14.44	14.49	14.57	15.8	0		
5	16QAM	12	13	14.52	14.57	14.49				
5	16QAM	25	0	14.56	14.54	14.51				
5	64QAM	1	0	14.47	14.62	14.53				
5	64QAM	1	12	14.57	14.59	14.59	15.8	0		
5	64QAM	1	24	14.50	14.57	14.48				
5	64QAM	12	0	14.58	14.62	14.48				
5	64QAM	12	7	14.56	14.56	14.46				
5	64QAM	12	13	14.55	14.68	14.49	15.8	0		
5	64QAM	25	0	14.55	14.68	14.50				

Band 7_Ant 0										
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	17.70	17.77	17.75				
20	QPSK	1	49	17.52	17.84	17.85	18.3	0		
20	QPSK	1	99	17.75	17.74	17.86				
20	QPSK	50	0	17.73	17.71	17.73				
20	QPSK	50	24	17.76	17.78	17.75				
20	QPSK	50	50	17.75	17.77	17.68				
20	QPSK	100	0	17.71	17.75	17.72				
20	16QAM	1	0	17.74	17.79	17.65				
20	16QAM	1	49	17.74	17.69	17.74	18.3	0		
20	16QAM	1	99	17.77	17.78	17.65				
20	16QAM	50	0	17.74	17.89	17.71				
20	16QAM	50	24	17.75	17.70	17.70				
20	16QAM	50	50	17.70	17.78	17.67				
20	16QAM	100	0	17.69	17.70	17.75				
20	64QAM	1	0	17.76	17.75	17.74				
20	64QAM	1	49	17.69	17.79	17.75	18.3	0		
20	64QAM	1	99	17.75	17.74	17.70				
20	64QAM	50	0	17.76	17.69	17.67				
20	64QAM	50	24	17.71	17.77	17.73				
20	64QAM	50	50	17.75	17.70	17.70				
20	64QAM	100	0	17.71	17.76	17.71				
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	17.85	17.62	17.67				
15	QPSK	1	37	17.71	17.78	17.68	18.3	0		
15	QPSK	1	74	17.86	17.68	17.58				
15	QPSK	36	0	17.84	17.56	17.62				
15	QPSK	36	20	17.70	17.63	17.63				
15	QPSK	36	39	17.80	17.64	17.59	18.3	0		
15	QPSK	75	0	17.59	17.80	17.62				
15	16QAM	1	0	17.82	17.68	17.66				
15	16QAM	1	37	17.59	17.67	17.69	18.3	0		
15	16QAM	1	74	17.83	17.64	17.60				
15	16QAM	36	0	17.80	17.62	17.57				
15	16QAM	36	20	17.80	17.68	17.57				
15	16QAM	36	39	17.59	17.70	17.52	18.3	0		
15	16QAM	75	0	17.58	17.59	17.66				
15	64QAM	1	0	17.62	17.68	17.66				
15	64QAM	1	37	17.59						



Band 12_Ant 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										
Frequency (MHz)										
10	QPSK	1	0	20.83	20.84	20.80	21.2	0		
10	QPSK	1	25	20.92	20.98	20.92				
10	QPSK	1	49	20.84	20.86	20.77				
10	QPSK	25	0	20.82	20.87	20.78	21.2	0		
10	QPSK	25	12	20.91	20.96	20.92				
10	QPSK	25	25	20.87	20.92	20.87				
10	QPSK	50	0	20.85	20.90	20.85	21.2	0		
10	16QAM	1	0	20.84	20.84	20.82				
10	16QAM	1	25	20.80	20.93	20.83				
10	16QAM	1	49	20.84	20.85	20.85	21.2	0		
10	16QAM	25	0	20.83	20.83	20.86				
10	16QAM	25	12	20.79	20.83	20.81				
10	16QAM	25	25	20.78	20.80	20.86	21.2	0		
10	16QAM	50	0	20.84	20.93	20.80				
10	16QAM	50	0	20.84	20.89	20.86				
10	64QAM	1	25	20.84	20.88	20.86	21.2	0		
10	64QAM	1	49	20.85	20.88	20.83				
10	64QAM	25	0	20.87	20.89	20.87				
10	64QAM	25	12	20.78	20.87	20.84	21.2	0		
10	64QAM	25	25	20.77	20.90	20.80				
10	64QAM	50	0	20.90	20.89	20.90				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.77	20.76	20.70	21.2	0		
5	QPSK	1	12	20.80	20.89	20.79				
5	QPSK	1	24	20.74	20.80	20.84				
5	QPSK	12	0	20.72	20.82	20.68	21.2	0		
5	QPSK	12	7	20.76	20.88	20.77				
5	QPSK	12	13	20.72	20.85	20.82				
5	QPSK	25	0	20.76	20.81	20.74	21.2	0		
5	16QAM	1	12	20.78	20.74	20.79				
5	16QAM	1	12	20.71	20.83	20.74				
5	16QAM	1	24	20.76	20.74	20.79	21.2	0		
5	16QAM	12	0	20.73	20.77	20.78				
5	16QAM	12	7	20.64	20.75	20.67				
5	16QAM	12	13	20.73	20.80	20.76	21.2	0		
5	16QAM	25	0	20.79	20.87	20.75				
5	16QAM	25	0	20.76	20.84	20.71				
5	64QAM	1	12	20.77	20.83	20.79	21.2	0		
5	64QAM	1	24	20.72	20.74	20.68				
5	64QAM	12	0	20.73	20.80	20.81				
5	64QAM	12	7	20.63	20.73	20.72	21.2	0		
5	64QAM	12	13	20.67	20.83	20.77				
5	64QAM	25	0	20.79	20.89	20.77				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.71	20.75	20.73	21.2	0		
3	QPSK	1	8	20.79	20.86	20.78				
3	QPSK	1	14	20.76	20.73	20.70				
3	QPSK	8	4	20.78	20.82	20.86	21.2	0		
3	QPSK	8	7	20.73	20.84	20.85				
3	QPSK	15	0	20.78	20.82	20.79				
3	16QAM	1	0	20.73	20.75	20.71	21.2	0		
3	16QAM	1	8	20.68	20.83	20.76				
3	16QAM	1	14	20.74	20.78	20.80				
3	16QAM	8	0	20.69	20.74	20.80	21.2	0		
3	16QAM	8	4	20.65	20.69	20.73				
3	16QAM	8	7	20.67	20.79	20.73				
3	16QAM	15	0	20.72	20.79	20.69	21.2	0		
3	64QAM	1	0	20.73	20.84	20.76				
3	64QAM	1	8	20.79	20.80	20.73				
3	64QAM	1	14	20.75	20.78	20.71	21.2	0		
3	64QAM	8	0	20.81	20.77	20.81				
3	64QAM	8	4	20.73	20.77	20.70				
3	64QAM	8	7	20.65	20.85	20.68	21.2	0		
3	64QAM	15	0	20.86	20.89	20.81				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.74	20.73	20.65	21.2	0		
1.4	QPSK	1	3	20.79	20.88	20.78				
1.4	QPSK	1	5	20.71	20.80	20.72				
1.4	QPSK	3	0	20.68	20.76	20.73	21.2	0		
1.4	QPSK	3	1	20.80	20.81	20.80				
1.4	QPSK	3	3	20.78	20.86	20.80				
1.4	QPSK	6	0	20.80	20.77	20.72	21.2	0		
1.4	16QAM	1	0	20.76	20.71	20.69				
1.4	16QAM	1	3	20.71	20.88	20.70				
1.4	16QAM	1	5	20.73	20.71	20.76	21.2	0		
1.4	16QAM	3	0	20.76	20.71	20.74				
1.4	16QAM	3	1	20.64	20.69	20.75				
1.4	16QAM	3	3	20.65	20.81	20.77	21.2	0		
1.4	16QAM	6	0	20.78	20.85	20.65				
1.4	64QAM	1	0	20.79	20.84	20.76				
1.4	64QAM	1	3	20.73	20.82	20.80	21.2	0		
1.4	64QAM	1	5	20.79	20.73	20.75				
1.4	64QAM	3	0	20.75	20.78	20.74				
1.4	64QAM	3	1	20.66	20.78	20.73	21.2	0		
1.4	64QAM	3	3	20.64	20.81	20.72				
1.4	64QAM	6	0	20.80	20.85	20.77				

Band 12_Ant 0										
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										
Frequency (MHz)										
10	QPSK	1	0	22.19	22.20	22.21	23.7	0		
10	QPSK	1	25	22.24	22.28	22.28				
10	QPSK	1	49	22.19	22.17	22.13				
10	QPSK	25	0	22.19	22.21	22.16	23.7	0		
10	QPSK	25	12	22.21	22.22	22.20				
10	QPSK	25	25	22.11	22.20	22.18				
10	QPSK	50	0	22.13	22.16	22.13	23.7	0		
10	16QAM	1	0	22.12	22.17	22.11				
10	16QAM	1	25	22.17	22.20	22.15				
10	16QAM	1	49	22.14	22.19	22.16	23.7	0		
10	16QAM	25	0	22.10	21.13	21.11				
10	16QAM	25	12	21.16	21.17	21.12				
10	16QAM	25	25	21.10	21.13	21.20	22.7	1		
10	16QAM	50	0	21.12	21.22	21.15				
10	64QAM	1	0	21.18	21.22	21.14				
10	64QAM	1	25	21.16	21.16	21.16	22.7	1		
10	64QAM	1	49	21.12	21.13	21.18				
10	64QAM	25	0	20.11	20.20	20.15				
10	64QAM	25	12	20.16	20.21	20.18	21.7	2		
10	64QAM	25	25	20.17	20.15	20.19				
10	64QAM	50	0	20.22	20.19	20.22				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.08	22.13	22.12	23.7	0		
5	QPSK	1	12	22.17	22.21	22.13				
5	QPSK	1	24	22.01	22.11	22.05				
5	QPSK	12	0	22.04	22.10	22.05	23.7	0		
5	QPSK	12	7	22.15	22.17	22.13				
5	QPSK	12	13	21.99	22.13	22.11				
5	QPSK	25	0	22.01	22.10	22.02	23.7	0		
5	16QAM	1	12	22.08	22.05	22.03				
5	16QAM	1	24	22.04	22.09	22.03				
5	16QAM	12	0	21.03	21.08	21.03	22.7	1		
5	16QAM	12	7	21.05	21.04	21.00				
5	16QAM	12	13	20.99	21.02	21.07				
5	16QAM	25	0	21.03	21.09	21.06	22.7	1		
5	64QAM	1	0	21.06	21.17	21.03				
5	64QAM	1	12	21.05	21.03	21.09				
5	64QAM	1	24	21.05	21.08	21.10	21.7	2		
5	64QAM	12	0	20.00	20.10	20.08				
5	64QAM	12	7	20.10	20.11	20.10				
5	64QAM	12	13	20.10	20.06	20.14	21.7	2		
5	64QAM	25	0	20.13	20.07	20.15				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.14	22.05	22.07	23.7	0		
3	QPSK	1	8	22.12	22.19	22.14				
3	QPSK	1	14	22.01	22.07	22.07				
3	QPSK	8	4	22.15	22.07	22.01	23.7	0		
3	QPSK	8	7	21.99	22.06	22.03				
3	QPSK	15	0	22.08	22.11	22.00				
3	16QAM	1	0	22.05	22.06	22.06	23.7	0		
3	16QAM	1	8	22.10	22.10	22.01				
3	16QAM	1	14	22.03	22.08	22.11				
3	16QAM	8	0							



Band 66_Ant 0									
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	17.05	17.06	17.06			
20	QPSK	1	49	17.15	17.17	17.18	18.3	0	
20	QPSK	1	99	17.20	17.20	17.21			
20	QPSK	50	0	17.04	17.11	17.08			
20	QPSK	50	24	17.02	17.10	17.11			
20	QPSK	50	50	17.02	17.02	17.01	18.3	0	
20	QPSK	100	0	17.08	17.10	17.03			
20	16QAM	1	0	16.97	17.11	17.06			
20	16QAM	1	49	16.98	17.05	17.11	18.3	0	
20	16QAM	1	99	17.03	17.06	17.04			
20	16QAM	50	0	16.97	17.08	17.01			
20	16QAM	50	24	17.07	17.11	17.07	18.3	0	
20	16QAM	50	50	17.03	17.12	17.07			
20	16QAM	100	0	16.97	17.04	17.10			
20	64QAM	1	0	17.01	17.02	17.08			
20	64QAM	1	49	16.97	17.10	17.04	18.3	0	
20	64QAM	1	99	17.01	17.05	17.11			
20	64QAM	50	0	17.00	17.10	17.05			
20	64QAM	50	24	16.98	17.03	17.10	18.3	0	
20	64QAM	50	50	17.02	17.08	17.07			
20	64QAM	100	0	17.07	17.14	17.15			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	16.93	16.92	16.96			
15	QPSK	1	37	17.06	17.05	17.10	18.3	0	
15	QPSK	1	74	16.89	16.97	16.93			
15	QPSK	36	0	16.93	17.05	17.01			
15	QPSK	36	20	16.95	17.08	17.06	18.3	0	
15	QPSK	36	39	16.95	16.88	16.91			
15	QPSK	75	0	16.94	17.02	16.93			
15	16QAM	1	0	16.89	16.98	16.90			
15	16QAM	1	37	16.93	16.93	17.06	18.3	0	
15	16QAM	1	74	16.98	16.95	16.93			
15	16QAM	36	0	16.82	17.02	16.87			
15	16QAM	36	20	17.00	17.06	16.92	18.3	0	
15	16QAM	36	39	16.97	17.06	17.00			
15	16QAM	75	0	16.88	16.90	16.95			
15	64QAM	1	0	16.91	16.91	17.01	18.3	0	
15	64QAM	1	37	16.89	16.98	16.90			
15	64QAM	1	74	16.93	16.91	16.96			
15	64QAM	36	0	16.89	17.03	16.99			
15	64QAM	36	20	16.89	16.97	16.97	18.3	0	
15	64QAM	36	39	16.95	17.01	16.92			
15	64QAM	75	0	17.00	17.11	17.04			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	16.95	16.96	16.92			
10	QPSK	1	25	17.02	17.08	17.01	18.3	0	
10	QPSK	1	49	16.91	17.00	16.95			
10	QPSK	25	0	16.89	17.00	17.01			
10	QPSK	25	12	16.98	17.06	17.06	18.3	0	
10	QPSK	25	25	16.92	16.89	16.90			
10	QPSK	50	0	17.01	17.00	16.97			
10	16QAM	1	0	16.82	16.97	16.91			
10	16QAM	1	25	16.88	16.97	17.01	18.3	0	
10	16QAM	1	49	16.91	16.95	16.96			
10	16QAM	25	0	16.82	16.95	16.96			
10	16QAM	25	12	16.95	17.00	16.98	18.3	0	
10	16QAM	25	25	16.94	17.04	16.96			
10	16QAM	50	0	16.88	16.93	16.97			
10	64QAM	1	0	16.90	16.93	16.97			
10	64QAM	1	25	16.84	17.04	16.94	18.3	0	
10	64QAM	1	49	16.90	16.96	16.98			
10	64QAM	25	0	16.92	17.03	16.93			
10	64QAM	25	12	16.90	16.98	16.97	18.3	0	
10	64QAM	25	25	16.89	17.03	16.98			
10	64QAM	50	0	16.99	17.14	17.14			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	16.99	16.98	16.91			
3	QPSK	1	8	16.99	17.05	17.05	18.3	0	
3	QPSK	1	14	16.90	17.00	16.93			
3	QPSK	8	0	16.97	17.02	16.94			
3	QPSK	8	4	16.99	17.02	17.03	18.3	0	
3	QPSK	8	7	16.95	16.90	16.87			
3	QPSK	15	0	16.95	17.00	16.95			
3	16QAM	1	0	16.88	16.97	16.93			
3	16QAM	1	8	16.88	16.96	17.03	18.3	0	
3	16QAM	1	14	16.97	16.91	16.89			
3	16QAM	8	0	16.85	16.95	16.96			
3	16QAM	8	4	17.02	17.03	16.97	18.3	0	
3	16QAM	8	7	16.94	16.97	16.97			
3	16QAM	15	0	16.85	16.96	17.03			
3	64QAM	1	0	16.88	16.93	16.95			
3	64QAM	1	8	16.85	16.96	16.94	18.3	0	
3	64QAM	1	14	16.88	16.92	16.99			
3	64QAM	8	0	16.90	16.98	16.98			
3	64QAM	8	4	16.92	16.93	17.02	18.3	0	
3	64QAM	8	7	16.92	16.93	17.02			
3	64QAM	15	0	17.02	17.11	17.07			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	16.99	16.96	16.95			
1.4	QPSK	1	3	17.05	17.03	17.09	18.3	0	
1.4	QPSK	1	5	16.88	16.96	16.87			
1.4	QPSK	3	0	16.98	17.06	16.95			
1.4	QPSK	3	1	16.98	17.11	16.96			
1.4	QPSK	3	3	16.93	16.95	16.88			
1.4	QPSK	6	0	17.01	17.01	16.98	18.3	0	
1.4	16QAM	1	0	16.83	17.02	16.95			
1.4	16QAM	1	3	16.86	16.90	17.04			
1.4	16QAM	1	5	16.90	16.93	16.92	18.3	0	
1.4	16QAM	3	0	16.86	16.93	16.92			
1.4	16QAM	3	1	16.93	16.97	16.96			
1.4	16QAM	3	3	16.89	17.04	17.01			
1.4	16QAM	6	0	16.87	16.96	17.00	18.3	0	
1.4	64QAM	1	0	16.87	16.93	17.00			
1.4	64QAM	1	3	16.85	16.95	16.94			
1.4	64QAM	1	5	16.89	16.94	16.98	18.3	0	
1.4	64QAM	3	0	16.88	16.99	16.98			
1.4	64QAM	3	1	16.86	16.93	16.99			
1.4	64QAM	3	3	16.93	17.02	16.92			
1.4	64QAM	6	0	17.01	16.99	17.11	18.3	0	

Band 66_Ant 4									
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	16.06	16.08	16.11			
20	QPSK	1	49	16.21	16.22	16.21	18.8	0	
20	QPSK	1	99	16.13	16.14	16.06			
20	QPSK	50	0	16.08	16.12	16.06			
20	QPSK	50	24	16.11	16.15	16.14	18.8	0	
20	QPSK	50	50	16.09	16.07	16.13			
20	QPSK	100	0	16.10	16.14	16.13			
20	16QAM	1	0	16.08	16.14	16.07			
20	16QAM	1	49	16.06	16.16	16.15	18.8	0	
20	16QAM	1	99	16.14	16.13	16.11			
20	16QAM	50	0	16.15	16.13	16.16			
20	16QAM	50	24	16.13	16.13	16.11	18.8	0	
20	16QAM	50	50	16.11	16.07	16.11			
20	16QAM	100	0	16.08	16.09	16.09			
20	64QAM	1	0	16.08	16.16	16.15			
20	64QAM	1	49	16.10	16.10	16.08	18.8	0	
20	64QAM	1	99	16.08	16.12	16.15			
20	64QAM	50	0	16.13	16.14	16.14			
20	64QAM	50	24	16.07	16.11	16.15	18.8	0	
20	64QAM	50	50	16.13	16.10	16.15			



Reduced Power for DSI 2 ENDC

Band 2_Ant 3											
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		Frequency (MHz)			18700	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Channel		Frequency (MHz)			18700	18900	19100			Tune-up limit (dBm)	MPR (dB)
Channel		Frequency (MHz)			18700	18900	19100	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	0	14.17	14.18	14.18	14.8			0	
20	QPSK	1	49	14.27	14.29	14.29		14.8	0		
20	QPSK	1	99	14.13	14.14	14.16	14.8			0	
20	QPSK	50	0	14.15	14.25	14.22		14.8	0		
20	QPSK	50	24	14.10	14.26	14.25	14.8			0	
20	QPSK	50	50	14.13	14.20	14.24		14.8	0		
20	QPSK	100	0	14.18	14.25	14.22	14.8			0	
20	16QAM	1	0	14.25	14.14	14.14		14.8	0		
20	16QAM	1	49	14.23	14.27	14.22	14.8			0	
20	16QAM	1	99	14.20	14.22	14.20		14.8	0		
20	16QAM	50	0	14.22	14.20	14.20	14.8			0	
20	16QAM	50	24	14.24	14.26	14.16		14.8	0		
20	16QAM	50	50	14.19	14.25	14.14	14.8			0	
20	16QAM	100	0	14.19	14.24	14.12		14.8	0		
20	64QAM	1	0	14.18	14.16	14.18	14.8			0	
20	64QAM	1	49	14.12	14.20	14.11		14.8	0		
20	64QAM	1	99	14.15	14.23	14.18	14.8			0	
20	64QAM	50	0	14.20	14.15	14.23		14.8	0		
20	64QAM	50	24	14.22	14.19	14.11	14.8			0	
20	64QAM	50	50	14.17	14.17	14.13		14.8	0		
20	64QAM	100	0	14.12	14.23	14.12	14.8			0	
Channel		Frequency (MHz)			18675	18900		19125	Tune-up limit (dBm)		MPR (dB)
Channel		Frequency (MHz)			18675	18900	19125	Tune-up limit (dBm)		MPR (dB)	
15	QPSK	1	0	14.14	14.17	14.16	14.8		0		
15	QPSK	1	37	14.23	14.18	14.15		14.8		0	
15	QPSK	1	74	14.09	14.09	14.07	14.8		0		
15	QPSK	36	0	14.10	14.23	14.21		14.8		0	
15	QPSK	36	20	14.09	14.15	14.18	14.8		0		
15	QPSK	36	39	13.99	14.17	14.13		14.8		0	
15	QPSK	75	0	14.09	14.23	14.16	14.8		0		
15	16QAM	1	0	14.10	14.06	14.04		14.8		0	
15	16QAM	1	37	14.12	14.26	14.14	14.8		0		
15	16QAM	1	74	14.18	14.12	14.11		14.8		0	
15	16QAM	36	0	14.12	14.15	14.10	14.8		0		
15	16QAM	36	20	14.22	14.13	14.15		14.8		0	
15	16QAM	36	39	14.06	14.12	14.11	14.8		0		
15	16QAM	75	0	14.07	14.18	14.03		14.8		0	
15	64QAM	1	0	14.07	14.02	14.02	14.8		0		
15	64QAM	1	37	14.10	14.06	14.08		14.8		0	
15	64QAM	1	74	14.14	14.20	14.11	14.8		0		
15	64QAM	36	0	14.07	14.02	14.16		14.8		0	
15	64QAM	36	20	14.13	14.07	14.04	14.8		0		
15	64QAM	36	39	14.12	14.09	14.08		14.8		0	
15	64QAM	75	0	14.10	14.12	14.06	14.8		0		
Channel		Frequency (MHz)			18650	18900		19150		Tune-up limit (dBm)	MPR (dB)
Channel		Frequency (MHz)			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	14.14	14.05	14.09	14.8			0	
10	QPSK	1	25	14.13	14.23	14.15		14.8	0		
10	QPSK	1	49	14.07	14.12	14.14	14.8			0	
10	QPSK	25	0	14.07	14.11	14.14		14.8	0		
10	QPSK	25	12	14.08	14.13	14.11	14.8			0	
10	QPSK	25	25	14.09	14.09	14.23		14.8	0		
10	QPSK	50	0	14.11	14.15	14.14	14.8			0	
10	16QAM	1	0	14.10	14.07	14.04		14.8	0		
10	16QAM	1	25	14.22	14.26	14.14	14.8			0	
10	16QAM	1	49	14.09	14.08	14.05		14.8	0		
10	16QAM	25	0	14.21	14.15	14.16	14.8			0	
10	16QAM	25	12	14.08	14.25	14.15		14.8	0		
10	16QAM	25	25	14.16	14.10	14.03	14.8			0	
10	16QAM	50	0	14.10	14.10	14.10		14.8	0		
10	64QAM	1	0	14.11	14.04	14.15	14.8			0	
10	64QAM	1	25	14.03	14.15	14.06		14.8	0		
10	64QAM	1	49	14.09	14.12	14.06	14.8			0	
10	64QAM	25	0	14.09	14.11	14.22		14.8	0		
10	64QAM	25	12	14.09	14.14	14.06	14.8			0	
10	64QAM	25	25	14.12	14.11	13.98		14.8	0		
10	64QAM	50	0	14.01	14.12	14.02	14.8			0	
Channel		Frequency (MHz)			18625	18900		19175	Tune-up limit (dBm)		MPR (dB)
Channel		Frequency (MHz)			18625	18900	19175	Tune-up limit (dBm)		MPR (dB)	
5	QPSK	1	0	14.16	14.13	14.13	14.8		0		
5	QPSK	1	12	14.15	14.18	14.14		14.8		0	
5	QPSK	1	24	13.99	14.14	14.08	14.8		0		
5	QPSK	12	0	14.10	14.14	14.09		14.8		0	
5	QPSK	12	7	14.10	14.25	14.14	14.8		0		
5	QPSK	12	13	14.12	14.13	14.18		14.8		0	
5	QPSK	25	0	14.10	14.11	14.17	14.8		0		
5	16QAM	1	0	14.14	14.03	14.13		14.8		0	
5	16QAM	1	12	14.16	14.20	14.07	14.8		0		
5	16QAM	1	24	14.12	14.15	14.16		14.8		0	
5	16QAM	12	0	14.13	14.17	14.09	14.8		0		
5	16QAM	12	7	14.20	14.25	14.16		14.8		0	
5	16QAM	12	13	14.08	14.23	14.10	14.8		0		
5	16QAM	25	0	14.15	14.14	14.05		14.8		0	
5	64QAM	1	0	14.10	14.06	14.17	14.8		0		
5	64QAM	1	12	14.02	14.07	14.08		14.8		0	
5	64QAM	1	24	14.14	14.12	14.09	14.8		0		
5	64QAM	12	0	14.16	14.11	14.19		14.8		0	
5	64QAM	12	7	14.19	14.12	14.03	14.8		0		
5	64QAM	12	13	14.11	14.06	13.98		14.8		0	
5	64QAM	25	0	14.01	14.09	14.08	14.8		0		
Channel		Frequency (MHz)			18615	18900		19185		Tune-up limit (dBm)	MPR (dB)
Channel		Frequency (MHz)			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	14.08	14.05	14.03	14.8			0	
3	QPSK	1	8	14.16	14.20	14.20		14.8	0		
3	QPSK	1	14	14.08	14.11	14.07	14.8			0	
3	QPSK	3	0	14.10	14.18	14.17		14.8	0		
3	QPSK	3	4	14.16	14.16	14.17	14.8			0	
3	QPSK	8	0	14.08	14.11	14.20		14.8	0		
3	QPSK	15	0	14.08	14.12	14.16	14.8			0	
3	16QAM	1	0	14.12	14.00	14.06		14.8	0		
3	16QAM	1	8	14.08	14.19	14.11	14.8			0	
3	16QAM	1	14	14.08	14.09	14.15		14.8	0		
3	16QAM	8	0	14.20	14.10	14.17	14.8			0	
3	16QAM	8	4	14.10	14.19	14.14		14.8	0		
3	16QAM	8	7	14.05	14.10	14.12	14.8			0	
3	16QAM	15	0	14.15	14.22	14.05		14.8	0		
3	64QAM	1	0	14.14	14.15	14.09	14.8			0	
3	64QAM	1	8	14.01	14.14	14.04		14.8	0		
3	64QAM	1	14	14.14	14.22	14.12	14.8			0	
3	64QAM	8	0	14.15	14.04	14.10		14.8	0		
3	64QAM	8	4	14.14	14.11	13.97	14.8			0	
3	64QAM	8	7	14.13	14.13	14.01		14.8	0		
3	64QAM	15	0	13.99	14.13	14.02	14.8			0	
Channel		Frequency (MHz)			18607	18900		19193	Tune-up limit (dBm)		MPR (dB)
Channel		Frequency (MHz)			18607	18900	19193	Tune-up limit (dBm)		MPR (dB)	
1											



Band 4_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				2050	20175	20300				
1720				1732.5	1745					
20	QPSK	1	0	14.02	14.13	14.07			14.8	0
20	QPSK	1	49	14.13	14.22	14.16				
20	QPSK	1	99	14.06	14.12	14.01				
20	QPSK	50	0	14.06	14.09	14.04				
20	QPSK	50	24	14.10	14.16	14.07				
20	QPSK	50	50	14.08	14.10	14.06				
20	QPSK	100	0	14.07	14.13	14.08				
20	16QAM	1	0	13.99	14.08	14.08				
20	16QAM	1	49	14.05	14.07	14.07				
20	16QAM	1	99	13.98	14.11	14.04				
20	16QAM	50	0	13.99	14.12	14.09				
20	16QAM	50	24	14.07	14.08	14.03				
20	16QAM	50	50	14.07	14.08	14.02				
20	16QAM	100	0	14.00	14.15	14.05				
20	64QAM	1	0	14.06	14.09	14.09				
20	64QAM	1	49	13.98	14.17	14.09				
20	64QAM	1	99	14.01	14.10	14.11				
20	64QAM	50	0	14.03	14.15	14.03				
20	64QAM	50	24	14.05	14.16	14.09				
20	64QAM	50	50	14.00	14.07	14.10				
20	64QAM	100	0	14.03	14.15	14.10				
Channel										
Frequency (MHz)				20925	20175	20325				
1717.5				1732.5	1747.5					
15	QPSK	1	0	13.89	14.02	14.02				
15	QPSK	1	37	14.01	14.07	14.08				
15	QPSK	1	74	13.93	13.97	13.89				
15	QPSK	36	0	13.94	13.95	13.96				
15	QPSK	36	20	13.96	14.01	13.98				
15	QPSK	36	39	13.98	14.03	13.94				
15	QPSK	75	0	13.92	13.98	13.95				
15	16QAM	1	0	13.97	14.02	14.00				
15	16QAM	1	37	13.96	13.98	13.97				
15	16QAM	1	74	13.83	14.03	13.94				
15	16QAM	36	0	13.90	13.98	13.95				
15	16QAM	36	20	13.97	13.99	13.95				
15	16QAM	36	39	14.00	13.96	13.88				
15	16QAM	75	0	13.95	14.06	13.98				
15	64QAM	1	0	13.96	14.07	13.97				
15	64QAM	1	37	13.86	14.07	13.97				
15	64QAM	1	74	13.92	14.00	14.02				
15	64QAM	36	0	13.94	14.10	13.94				
15	64QAM	36	20	13.99	14.02	14.00				
15	64QAM	36	39	13.94	14.01	14.01				
15	64QAM	75	0	13.95	14.08	13.96				
Channel										
Frequency (MHz)				20000	20175	20350				
1715				1732.5	1750					
10	QPSK	1	0	13.88	13.96	14.02				
10	QPSK	1	25	14.00	14.17	14.03				
10	QPSK	1	49	13.95	14.03	13.92				
10	QPSK	25	0	13.92	13.95	13.94				
10	QPSK	25	12	13.95	14.03	13.96				
10	QPSK	25	25	14.00	14.05	13.93				
10	QPSK	50	0	13.95	14.02	14.01				
10	16QAM	1	0	13.85	13.97	13.98				
10	16QAM	1	25	13.90	13.94	13.98				
10	16QAM	1	49	13.84	14.02	13.96				
10	16QAM	25	0	13.84	14.02	13.96				
10	16QAM	25	12	13.94	13.96	13.94				
10	16QAM	25	25	13.96	13.94	13.98				
10	16QAM	50	0	13.91	14.04	14.00				
10	64QAM	1	0	13.94	13.96	13.98				
10	64QAM	1	25	13.84	14.07	14.01				
10	64QAM	1	49	13.86	14.00	14.06				
10	64QAM	25	0	13.97	14.08	13.96				
10	64QAM	25	12	13.91	14.08	13.99				
10	64QAM	25	25	13.95	14.02	13.95				
10	64QAM	50	0	14.00	14.14	14.05				
Channel										
Frequency (MHz)				19975	20175	20375				
1712.5				1732.5	1753.5					
5	QPSK	1	0	13.95	14.04	13.93				
5	QPSK	1	12	13.98	14.16	14.08				
5	QPSK	1	24	13.93	14.05	13.87				
5	QPSK	12	0	13.94	13.97	13.94				
5	QPSK	12	7	14.00	14.10	13.93				
5	QPSK	12	13	14.02	13.95	13.94				
5	QPSK	25	0	13.97	14.07	14.03				
5	16QAM	1	0	13.94	13.99	13.94				
5	16QAM	1	12	13.93	13.98	14.01				
5	16QAM	1	24	13.85	14.01	13.94				
5	16QAM	12	0	13.94	13.98	14.00				
5	16QAM	12	7	13.95	13.96	13.94				
5	16QAM	12	13	13.99	14.00	13.97				
5	16QAM	25	0	13.90	14.04	13.95				
5	64QAM	1	0	13.93	14.03	13.98				
5	64QAM	1	14	13.93	13.95	14.00				
5	64QAM	1	28	13.94	14.04	13.93				
5	64QAM	8	0	13.91	14.09	13.98				
5	64QAM	8	4	13.86	13.99	13.98				
5	64QAM	15	0	13.95	14.09	13.98				
Channel										
Frequency (MHz)				19965	20175	20385				
1711.5				1732.5	1753.5					
3	QPSK	1	0	13.93	14.03	13.94				
3	QPSK	1	8	14.08	14.17	14.04				
3	QPSK	1	14	13.93	13.98	13.95				
3	QPSK	8	0	13.91	14.02	13.98				
3	QPSK	8	4	14.02	14.10	13.97				
3	QPSK	8	7	14.02	13.95	13.93				
3	QPSK	15	0	13.98	14.03	13.95				
3	16QAM	1	0	13.90	13.94	13.93				
3	16QAM	1	8	13.91	13.96	13.95				
3	16QAM	1	14	13.88	14.05	13.91				
3	16QAM	8	0	13.92	14.00	14.01				
3	16QAM	8	4	13.93	13.97	13.91				
3	16QAM	8	7	13.98	13.97	13.97				
3	16QAM	15	0	13.85	14.06	13.95				
3	64QAM	1	0	13.92	14.00	14.03				
3	64QAM	1	8	13.91	14.09	14.02				
3	64QAM	1	14	13.93	13.95	14.00				
3	64QAM	8	0	13.94	14.04	13.93				
3	64QAM	8	4	13.91	14.09	13.98				
3	64QAM	8	7	13.86	13.99	13.98				
3	64QAM	15	0	13.95	14.09	13.98				
Channel										
Frequency (MHz)				19967	20175	20393				
1710.7				1732.5	1754.3					
1.4	QPSK	1	0	13.93	14.02	14.02				
1.4	QPSK	1	3	14.05	14.11	14.06				
1.4	QPSK	1	5	13.97	14.05	13.89				
1.4	QPSK	3	0	13.96	13.97	13.89				
1.4	QPSK	3	1	14.05	14.11	13.92				
1.4	QPSK	3	3	13.97	13.96	13.98				
1.4	QPSK	6	0	13.94	14.04	13.95				
1.4	16QAM	1	0	13.98	13.93	13.94				
1.4	16QAM	1	3	14.00	13.94	14.01				
1.4	16QAM	1	5	13.83	14.01	13.89				
1.4	16QAM	3	0	13.90	14.05	13.94				
1.4	16QAM	3	1	13.95	14.02	13.89				
1.4	16QAM	3	3	13.95	14.01	13.97				
1.4	16QAM	6	0	13.88	14.09	13.97				
1.4	64QAM	1	0	13.92	14.03	13.99				
1.4	64QAM	1	3	13.93	14.06	14.02				
1.4	64QAM	1	5	13.93	14.04	14.00				
1.4	64QAM	3	0	13.						



Band 7_Ant 3										
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										
Frequency (MHz)				2050	2100	2150				
20	QPSK	1	0	13.18	13.19	13.16				
20	QPSK	1	49	13.27	13.35	13.25	14.3	0		
20	QPSK	1	99	13.21	13.15	13.18				
20	QPSK	50	0	13.21	13.23	13.13				
20	QPSK	50	24	13.22	13.24	13.23				
20	QPSK	50	50	13.19	13.14	13.12	14.3	0		
20	QPSK	100	0	13.16	13.19	13.10				
20	16QAM	1	0	13.17	13.16	13.20				
20	16QAM	1	49	13.13	13.21	13.11	14.3	0		
20	16QAM	1	99	13.22	13.24	13.18				
20	16QAM	50	0	13.20	13.15	13.11				
20	16QAM	50	24	13.12	13.16	13.12				
20	16QAM	50	50	13.20	13.18	13.20	14.3	0		
20	16QAM	100	0	13.19	13.22	13.17				
20	64QAM	1	0	13.22	13.24	13.14				
20	64QAM	1	49	13.12	13.20	13.13	14.3	0		
20	64QAM	1	99	13.18	13.19	13.13				
20	64QAM	50	0	13.22	13.16	13.19				
20	64QAM	50	24	13.19	13.23	13.18				
20	64QAM	50	50	13.19	13.21	13.16				
20	64QAM	100	0	13.15	13.28	13.23	14.3	0		
Channel										
Frequency (MHz)				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	13.07	13.13	13.07				
15	QPSK	1	37	13.16	13.22	13.11	14.3	0		
15	QPSK	1	74	13.08	13.04	13.03				
15	QPSK	36	0	13.09	13.11	13.02				
15	QPSK	36	20	13.13	13.11	13.08				
15	QPSK	36	39	13.14	13.08	13.03	14.3	0		
15	QPSK	75	0	13.03	13.08	13.05				
15	16QAM	1	0	13.02	13.04	13.06				
15	16QAM	1	37	13.09	13.12	13.05	14.3	0		
15	16QAM	1	74	13.11	13.19	13.06				
15	16QAM	36	0	13.12	13.01	12.96				
15	16QAM	36	20	12.98	13.05	13.01	14.3	0		
15	16QAM	36	39	13.14	13.06	13.10				
15	16QAM	75	0	13.12	13.17	13.11				
15	64QAM	1	0	13.14	13.10	13.01				
15	64QAM	1	37	13.07	13.06	13.05	14.3	0		
15	64QAM	1	74	13.12	13.08	13.01				
15	64QAM	36	0	13.11	13.04	13.09				
15	64QAM	36	20	13.10	13.15	13.11	14.3	0		
15	64QAM	36	39	13.04	13.10	13.06				
15	64QAM	75	0	13.06	13.13	13.23				
Channel										
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	13.07	13.10	13.04				
10	QPSK	1	25	13.16	13.19	13.20	14.3	0		
10	QPSK	25	0	13.11	13.09	13.05				
10	QPSK	25	12	13.17	13.11	13.12	14.3	0		
10	QPSK	25	25	13.10	13.03	13.07				
10	QPSK	50	0	13.09	13.05	12.95				
10	16QAM	1	0	13.11	13.01	13.11				
10	16QAM	1	25	13.05	13.11	13.02	14.3	0		
10	16QAM	1	49	13.17	13.09	13.09				
10	16QAM	25	0	13.12	13.01	13.01				
10	16QAM	25	12	13.04	13.11	13.03	14.3	0		
10	16QAM	25	25	13.07	13.05	13.09				
10	16QAM	50	0	13.04	13.16	13.10				
10	64QAM	1	0	13.10	13.17	13.03				
10	64QAM	1	25	12.99	13.10	13.02	14.3	0		
10	64QAM	1	49	13.10	13.06	12.98				
10	64QAM	25	0	13.10	13.01	13.14				
10	64QAM	25	12	13.07	13.14	13.11	14.3	0		
10	64QAM	25	25	13.08	13.11	13.11				
10	64QAM	50	0	13.10	13.14	13.18				
Channel										
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	13.11	13.06	13.03				
5	QPSK	1	12	13.17	13.20	13.11	14.3	0		
5	QPSK	1	24	13.16	13.06	12.95				
5	QPSK	12	0	13.08	13.16	13.00				
5	QPSK	12	7	13.11	13.17	13.12	14.3	0		
5	QPSK	12	13	13.10	13.03	13.01				
5	QPSK	25	0	13.06	13.09	12.97				
5	16QAM	1	0	13.03	13.02	13.13				
5	16QAM	1	12	13.00	13.06	12.97	14.3	0		
5	16QAM	1	24	13.13	13.09	13.12				
5	16QAM	12	0	13.06	13.00	12.98				
5	16QAM	12	7	13.02	13.06	13.07	14.3	0		
5	16QAM	12	13	13.14	13.04	13.05				
5	16QAM	25	0	13.06	13.08	13.12				
5	64QAM	1	0	13.09	13.18	13.09				
5	64QAM	1	12	13.02	13.15	13.07	14.3	0		
5	64QAM	1	24	13.03	13.07	13.01				
5	64QAM	12	0	13.14	13.03	13.14				
5	64QAM	12	7	13.07	13.09	13.10	14.3	0		
5	64QAM	12	13	13.04	13.13	13.05				
5	64QAM	25	0	13.01	13.26	13.11				

Band 7_Ant 0										
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										
Frequency (MHz)				20850	21100	21350				
20	QPSK	1	0	23.82	23.76	23.87				
20	QPSK	1	49	23.83	23.80	23.87	24.3	0		
20	QPSK	1	99	23.88	23.78	23.85				
20	QPSK	50	0	22.81	22.85	22.82				
20	QPSK	50	24	22.83	22.91	22.83				
20	QPSK	50	50	22.76	22.89	22.81	23.3	1		
20	QPSK	100	0	22.80	22.89	22.84				
20	16QAM	1	0	22.88	22.83	22.87				
20	16QAM	1	49	22.82	22.84	22.72	23.3	1		
20	16QAM	1	99	22.80	22.75	22.80				
20	16QAM	50	0	21.88	21.80	21.87				
20	16QAM	50	24	21.84	21.85	21.79				
20	16QAM	50	50	21.74	21.77	21.74	23.3	2		
20	16QAM	100	0	21.74	21.84	21.79				
20	64QAM	1	0	21.84	21.73	21.82				
20	64QAM	1	49	21.53	21.70	21.70	22.3	2		
20	64QAM	1	99	21.59	21.76	21.74				
20	64QAM	50	0	20.82	20.80	20.81				
20	64QAM	50	24	20.52	20.80	20.77				
20	64QAM	50	50	20.73	20.78	20.80	21.3	3		
20	64QAM	100	0	20.87	20.83	20.70				
Channel										
Frequency (MHz)				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.49	23.63	23.60				
15	QPSK	1	37	23.83	23.81	23.72	24.3	0		
15	QPSK	1	74	23.57	23.64	23.57				
15	QPSK	36	0	22.71	22.87	22.77				
15	QPSK	36	20	22.72	22.84	22.76				
15	QPSK	36	39	22.86	22.74	22.74	23.3	1		
15	QPSK	75	0	22.85	22.86	22.76				
15	16QAM	1	0	22.83	22.80	22.84				
15	16QAM	1	37	22.57	22.77	22.58	23.3	1		
15	16QAM	1	74	22.75	22.68	22.68				
15	16QAM	36	0	21.82	21.72	21.81				
15	16QAM	36	20	21.56	21.84	21.85	22.3	2		
15	16QAM	36	39	21.80	21.72	21.74				
15	16QAM	75	0	21.74	21.71	21.75				
15	64QAM	1	0	21.51	21.62	21.55	22.3	2		
15	64QAM	1	37	21.41	21.69	21.57				
15	64QAM	1	74	21.53						



Band 12_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	20.83	20.84	20.80				
10	QPSK	1	25	20.92	20.88	20.92	21.2	0		
10	QPSK	1	49	20.84	20.86	20.77				
10	QPSK	25	0	20.82	20.87	20.78				
10	QPSK	25	12	20.91	20.86	20.92				
10	QPSK	25	25	20.87	20.92	20.87				
10	QPSK	50	0	20.85	20.90	20.85				
10	16QAM	1	0	20.84	20.84	20.82				
10	16QAM	1	25	20.80	20.93	20.83	21.2	0		
10	16QAM	1	49	20.84	20.85	20.85				
10	16QAM	25	0	20.83	20.83	20.86				
10	16QAM	25	12	20.79	20.83	20.81				
10	16QAM	25	25	20.78	20.80	20.86				
10	16QAM	50	0	20.84	20.93	20.86				
10	64QAM	1	0	20.84	20.89	20.86				
10	64QAM	1	25	20.84	20.88	20.86	21.2	0		
10	64QAM	1	49	20.85	20.88	20.83				
10	64QAM	25	0	20.87	20.89	20.87				
10	64QAM	25	12	20.78	20.87	20.84				
10	64QAM	25	25	20.77	20.90	20.80				
10	64QAM	50	0	20.80	20.89	20.90	21.2	0		
Channel				23035	23095	23155	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	20.77	20.76	20.70				
5	QPSK	1	12	20.80	20.89	20.79	21.2	0		
5	QPSK	1	24	20.74	20.80	20.84				
5	QPSK	12	0	20.72	20.82	20.68				
5	QPSK	12	7	20.76	20.88	20.77				
5	QPSK	12	13	20.72	20.85	20.82	21.2	0		
5	QPSK	25	0	20.76	20.81	20.79				
5	16QAM	1	0	20.78	20.74	20.79				
5	16QAM	1	12	20.71	20.83	20.74	21.2	0		
5	16QAM	1	24	20.76	20.74	20.79				
5	16QAM	12	0	20.73	20.77	20.78				
5	16QAM	12	7	20.64	20.75	20.67				
5	16QAM	12	13	20.73	20.80	20.76	21.2	0		
5	16QAM	25	0	20.79	20.87	20.75				
5	64QAM	1	0	20.76	20.84	20.71				
5	64QAM	1	12	20.77	20.83	20.79	21.2	0		
5	64QAM	1	24	20.72	20.74	20.68				
5	64QAM	12	0	20.73	20.80	20.81				
5	64QAM	12	7	20.63	20.73	20.72				
5	64QAM	12	13	20.67	20.83	20.77	21.2	0		
5	64QAM	25	0	20.79	20.89	20.77				
Channel				23025	23095	23165	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	20.71	20.75	20.73				
3	QPSK	1	8	20.79	20.86	20.78	21.2	0		
3	QPSK	1	14	20.76	20.73	20.70				
3	QPSK	8	0	20.78	20.79	20.70				
3	QPSK	8	4	20.78	20.82	20.86				
3	QPSK	8	7	20.73	20.84	20.75	21.2	0		
3	QPSK	15	0	20.78	20.82	20.79				
3	16QAM	1	0	20.73	20.75	20.71				
3	16QAM	1	8	20.68	20.83	20.76	21.2	0		
3	16QAM	1	14	20.74	20.78	20.80				
3	16QAM	8	0	20.69	20.74	20.80				
3	16QAM	8	4	20.65	20.69	20.73				
3	16QAM	8	7	20.67	20.79	20.73	21.2	0		
3	16QAM	15	0	20.72	20.79	20.69				
3	64QAM	1	0	20.73	20.84	20.76				
3	64QAM	1	8	20.79	20.80	20.73	21.2	0		
3	64QAM	1	14	20.75	20.78	20.71				
3	64QAM	8	0	20.81	20.77	20.81				
3	64QAM	8	4	20.73	20.77	20.70	21.2	0		
3	64QAM	8	7	20.65	20.65	20.68				
3	64QAM	15	0	20.86	20.89	20.81				
Channel				23017	23095	23173	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	20.74	20.73	20.65				
1.4	QPSK	1	3	20.79	20.88	20.78	21.2	0		
1.4	QPSK	1	5	20.71	20.80	20.72				
1.4	QPSK	3	0	20.68	20.78	20.73				
1.4	QPSK	3	1	20.80	20.81	20.80				
1.4	QPSK	3	3	20.78	20.86	20.80				
1.4	QPSK	6	0	20.80	20.77	20.72	21.2	0		
1.4	16QAM	1	0	20.76	20.71	20.69				
1.4	16QAM	1	3	20.71	20.88	20.70				
1.4	16QAM	1	5	20.73	20.71	20.76	21.2	0		
1.4	16QAM	3	0	20.76	20.71	20.74				
1.4	16QAM	3	1	20.64	20.69	20.75				
1.4	16QAM	3	3	20.65	20.81	20.77				
1.4	16QAM	6	0	20.78	20.85	20.65	21.2	0		
1.4	64QAM	1	0	20.79	20.84	20.76				
1.4	64QAM	1	3	20.73	20.82	20.80				
1.4	64QAM	1	5	20.79	20.73	20.75				
1.4	64QAM	3	0	20.75	20.78	20.74	21.2	0		
1.4	64QAM	3	1	20.66	20.78	20.73				
1.4	64QAM	3	3	20.64	20.81	20.72				
1.4	64QAM	6	0	20.80	20.85	20.77	21.2	0		

Band 12_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.26	23.13	23.15				
10	QPSK	1	25	23.38	23.42	23.27	24.7	0		
10	QPSK	1	49	23.23	23.15	23.24				
10	QPSK	25	0	23.21	22.20	22.15				
10	QPSK	25	12	23.24	22.28	22.27				
10	QPSK	25	25	22.18	22.22	22.24	23.7	1		
10	QPSK	50	0	22.21	22.28	22.24				
10	16QAM	1	0	22.09	22.18	22.04				
10	16QAM	1	25	22.09	22.22	22.25	23.7	1		
10	16QAM	1	49	22.04	22.09	22.11				
10	16QAM	25	0	21.23	21.24	21.26				
10	16QAM	25	12	21.35	21.23	21.15				
10	16QAM	25	25	21.12	21.32	21.32	22.7	2		
10	16QAM	50	0	21.20	21.18	21.25				
10	64QAM	1	0	21.10	21.23	21.22				
10	64QAM	1	25	21.33	21.13	21.11	22.7	2		
10	64QAM	1	49	21.08	21.28	21.18				
10	64QAM	25	0	20.18	20.27	20.25				
10	64QAM	25	12	20.21	20.27	20.15				
10	64QAM	25	25	20.13	20.25	20.35	21.7	3		
10	64QAM	50	0	20.18	20.25	20.23				
Channel				23035	23095	23155	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	23.22	23.07	23.02				
5	QPSK	1	12	23.18	23.26	23.13	24.7	0		
5	QPSK	1	24	23.08	23.09	23.19				
5	QPSK	12	0	22.14	22.17	22.14				
5	QPSK	12	7	22.10	22.14	22.18				
5	QPSK	12	13	22.08	22.15	22.23	23.7	1		
5	QPSK	25	0	22.21	22.24	22.17				
5	16QAM	1	0	21.98	21.11	21.00				
5	16QAM	1	12	21.98	22.15	22.14	23.7	1		
5	16QAM	1	24	21.97	22.09	21.98				
5	16QAM	12	0	21.19	21.11	21.19				
5	16QAM	12	7	21.31	21.23	21.04				
5	16QAM	12	13	20.88	21.23	21.28	22.7	2		



Band 66_Ant 0										
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)				1725	1745	1770				
20	QPSK	1	0	23.09	23.18	23.04				
20	QPSK	1	49	23.14	23.25	23.19	24.3	0		
20	QPSK	1	99	22.88	23.02	23.02				
20	QPSK	50	0	22.27	22.28	22.28				
20	QPSK	50	24	22.28	22.23	22.23				
20	QPSK	50	50	22.20	22.24	22.15	23.3	1		
20	QPSK	100	0	22.21	22.25	22.21				
20	16QAM	1	0	22.28	22.22	22.25				
20	16QAM	1	49	22.15	22.24	22.28	23.3	1		
20	16QAM	1	99	22.07	22.23	22.12				
20	16QAM	50	0	20.97	21.27	21.27				
20	16QAM	50	24	20.98	21.23	21.30				
20	16QAM	50	50	21.06	21.10	21.15	22.3	2		
20	16QAM	100	0	21.03	21.20	21.14				
20	64QAM	1	0	21.18	21.22	21.25				
20	64QAM	1	49	21.11	21.22	21.25	22.3	2		
20	64QAM	1	99	21.07	21.11	20.88				
20	64QAM	50	0	20.00	20.24	20.22				
20	64QAM	50	24	19.93	20.20	20.18				
20	64QAM	50	50	20.36	20.16	20.07	21.3	3		
20	64QAM	100	0	20.01	20.22	20.17				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.99	23.16	23.00				
15	QPSK	1	37	23.08	23.23	23.16	24.3	0		
15	QPSK	1	74	22.74	22.92	22.92				
15	QPSK	36	0	22.20	22.16	22.14				
15	QPSK	36	20	22.14	22.21	22.24				
15	QPSK	36	39	22.18	22.18	22.09	23.3	1		
15	QPSK	75	0	22.10	22.21	22.16				
15	16QAM	1	0	21.16	21.40	21.14				
15	16QAM	1	37	22.13	22.14	22.21	23.3	1		
15	16QAM	1	74	22.02	22.21	22.09				
15	16QAM	36	0	20.97	21.13	21.20				
15	16QAM	36	20	20.88	21.08	21.28				
15	16QAM	36	39	21.01	21.01	21.01	22.3	2		
15	16QAM	75	0	20.98	21.15	21.10				
15	64QAM	1	0	21.07	21.14	21.14				
15	64QAM	1	37	21.06	21.10	21.24	22.3	2		
15	64QAM	1	74	20.99	20.96	20.75				
15	64QAM	36	0	19.88	20.14	20.15				
15	64QAM	36	20	19.80	20.14	20.16				
15	64QAM	36	39	19.92	20.14	20.02	21.3	3		
15	64QAM	75	0	19.91	20.15	20.06				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.07	23.05	23.03				
10	QPSK	1	25	23.01	23.17	23.16	24.3	0		
10	QPSK	1	49	22.80	22.91	23.00				
10	QPSK	25	0	22.28	22.21	22.13				
10	QPSK	25	12	22.27	22.21	22.19				
10	QPSK	25	25	22.14	22.09	22.11	23.3	1		
10	QPSK	50	0	22.11	22.25	22.08				
10	16QAM	1	0	22.16	22.15	22.15				
10	16QAM	1	25	22.01	22.24	22.16	23.3	1		
10	16QAM	1	49	22.00	22.21	21.97				
10	16QAM	25	0	20.97	21.22	21.12				
10	16QAM	25	12	20.90	21.14	21.28				
10	16QAM	25	25	21.03	21.03	21.05	22.3	2		
10	16QAM	50	0	20.97	21.20	21.13				
10	64QAM	1	0	21.08	21.11	21.21				
10	64QAM	1	25	21.03	21.10	21.15	22.3	2		
10	64QAM	1	49	20.94	21.11	20.86				
10	64QAM	25	0	19.95	20.20	20.17				
10	64QAM	25	12	19.85	20.14	20.15				
10	64QAM	25	25	19.97	20.08	19.92	21.3	3		
10	64QAM	50	0	19.87	20.20	20.11				
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.97	23.12	23.03				
5	QPSK	1	12	23.12	23.27	23.05	24.3	0		
5	QPSK	1	24	22.85	22.98	22.93				
5	QPSK	12	0	22.18	22.20	22.22				
5	QPSK	12	7	22.22	22.23	22.17				
5	QPSK	12	13	22.07	22.12	22.02	23.3	1		
5	QPSK	25	0	22.18	22.12	22.08				
5	16QAM	1	0	22.18	22.08	22.16				
5	16QAM	1	12	22.03	22.12	22.13	23.3	1		
5	16QAM	1	24	21.95	22.20	21.98				
5	16QAM	12	0	20.83	21.15	21.17				
5	16QAM	12	7	20.85	21.22	21.21				
5	16QAM	12	13	21.02	21.06	21.08	22.3	2		
5	16QAM	25	0	21.00	21.19	21.01				
5	64QAM	1	0	21.08	21.18	21.17				
5	64QAM	1	12	21.05	21.08	21.19	22.3	2		
5	64QAM	1	24	20.99	20.97	20.82				
5	64QAM	12	0	19.89	20.23	20.09				
5	64QAM	12	7	19.89	20.10	20.18				
5	64QAM	12	13	20.05	20.16	19.98	21.3	3		
5	64QAM	25	0	19.98	20.09	20.12				
Channel				131967	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.99	23.10	22.95				
3	QPSK	1	8	23.10	23.27	23.19	24.3	0		
3	QPSK	1	14	22.73	22.87	23.02				
3	QPSK	8	0	22.15	22.25	22.24				
3	QPSK	8	4	22.23	22.20	22.22				
3	QPSK	8	7	22.07	22.18	22.04	23.3	1		
3	QPSK	15	0	22.11	22.15	22.13				
3	16QAM	1	0	22.25	22.07	22.18				
3	16QAM	1	8	22.14	22.13	22.21	23.3	1		
3	16QAM	1	14	21.93	22.10	22.12				
3	16QAM	8	0	20.94	21.28	21.14				
3	16QAM	8	4	20.91	21.13	21.21	22.3	2		
3	16QAM	8	7	21.03	21.06	21.01				
3	16QAM	15	0	20.89	21.11	21.09				
3	64QAM	1	0	21.14	21.09	21.13				
3	64QAM	1	8	21.00	21.13	21.19	22.3	2		
3	64QAM	1	14	20.98	21.07	20.76				
3	64QAM	8	0	19.93	20.11	20.17				
3	64QAM	8	4	19.87	20.17	20.15				
3	64QAM	8	7	20.85	20.16	19.94	21.3	3		
3	64QAM	15	0	19.86	20.21	20.12				
Channel				131979	132322	132685	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.00	23.17	22.91				
1.4	QPSK	1	3	23.00	23.23	23.05	24.3	0		
1.4	QPSK	1	5	22.84	23.01	22.87				
1.4	QPSK	3	0	22.90	23.06	22.81				
1.4	QPSK	3	1	22.94	23.10	22.96				
1.4	QPSK	3	3	22.79	22.91	22.86				
1.4	QPSK	6	0	22.08	22.14	22.12	23.3	1		
1.4	16QAM	1	0	22.14	22.08	22.20				
1.4	16QAM	1	3	22.13	22.22	22.11				
1.4	16QAM	1	5	22.04	22.14	21.97				
1.4	16QAM	3	0	22.10	22.05	22.18	23.3	1		
1.4	16QAM	3	1	22.10	22.11	22.06				
1.4	16QAM	3	3	21.98	21.98	21.93				
1.4	16QAM	6	0	20.91	21.15	21.01	22.3	2		
1.4	64QAM	1	0	21.15	21.12	21.12				
1.4	64QAM	1	3	21.09	21.15	21.19				
1.4	64QAM	1	5	20.94	21.05	20.79				
1.4	64QAM	3	0	21.08	21.10	21.04	22.3	2		
1.4	64QAM	3	1	21.03	21.01	21.15				
1.4	64QAM	3	3	20.81	20.96	20.69				
1.4	64QAM	6	0	19.98	20.07	20.17	21.3	3		

Band 66_Ant 4										
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	14.29	14.34	14.21				
20	QPSK	1	49	14.38	14.39	14.33	14.8	0		
20	QPSK	1	99	14.33	14.26	14.23				
20	QPSK	50	0	14.28	14.27	14.20				
20	QPSK	50	24	14.30	14.33	14.28				
20	QPSK	50	50	14.28	14.27	14.28	14.8	0		
20	QPSK	100	0	14.27	14.34	14.22				
20	16QAM	1	0	14.32	14.32	14.20				
20	16QAM	1	49	14.25	14					



Reduced Power for DSI 5 ENDC

Band 2_Ant 3										
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										
Frequency (MHz)										
20	QPSK	1	0	14.50	14.52	14.52	15.3	0		
20	QPSK	1	49	14.58	14.72	14.55				
20	QPSK	1	99	14.49	14.56	14.57	15.3	0		
20	QPSK	50	0	14.61	14.61	14.55				
20	QPSK	50	24	14.61	14.65	14.56	15.3	0		
20	QPSK	50	50	14.49	14.49	14.54				
20	QPSK	100	0	14.52	14.61	14.55	15.3	0		
20	QPSK	100	49	14.51	14.48	14.66				
20	16QAM	1	0	14.57	14.50	14.48	15.3	0		
20	16QAM	1	49	14.51	14.48	14.66				
20	16QAM	1	99	14.59	14.63	14.47	15.3	0		
20	16QAM	50	0	14.67	14.56	14.52				
20	16QAM	50	24	14.48	14.68	14.54	15.3	0		
20	16QAM	50	50	14.46	14.53	14.38				
20	16QAM	100	0	14.54	14.60	14.39	15.3	0		
20	16QAM	100	49	14.49	14.56	14.54				
20	64QAM	1	0	14.51	14.59	14.53	15.3	0		
20	64QAM	1	49	14.49	14.56	14.54				
20	64QAM	1	99	14.50	14.59	14.54	15.3	0		
20	64QAM	50	0	14.59	14.43	14.50				
20	64QAM	50	24	14.51	14.60	14.43	15.3	0		
20	64QAM	50	50	14.51	14.50	14.45				
20	64QAM	100	0	14.50	14.62	14.45	15.3	0		
20	64QAM	100	49	14.50	14.62	14.45				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.46	14.43	14.43	15.3	0		
15	QPSK	1	37	14.55	14.57	14.52				
15	QPSK	1	74	14.38	14.45	14.43	15.3	0		
15	QPSK	36	0	14.43	14.56	14.50				
15	QPSK	36	20	14.54	14.50	14.49	15.3	0		
15	QPSK	36	39	14.43	14.43	14.53				
15	QPSK	75	0	14.49	14.50	14.40	15.3	0		
15	QPSK	75	1	14.37	14.42	14.44				
15	16QAM	1	37	14.40	14.33	14.42	15.3	0		
15	16QAM	1	74	14.46	14.51	14.41				
15	16QAM	36	0	14.57	14.41	14.40	15.3	0		
15	16QAM	36	20	14.41	14.57	14.45				
15	16QAM	36	39	14.43	14.41	14.36	15.3	0		
15	16QAM	75	0	14.43	14.54	14.25				
15	16QAM	1	0	14.40	14.44	14.51	15.3	0		
15	16QAM	1	37	14.37	14.47	14.46				
15	16QAM	1	74	14.37	14.47	14.41	15.3	0		
15	16QAM	36	0	14.55	14.28	14.40				
15	16QAM	36	20	14.48	14.51	14.30	15.3	0		
15	16QAM	36	39	14.38	14.40	14.36				
15	16QAM	75	0	14.38	14.53	14.36	15.3	0		
15	16QAM	75	1	14.38	14.53	14.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.44	14.50	14.47	15.3	0		
10	QPSK	1	25	14.60	14.66	14.51				
10	QPSK	1	49	14.39	14.59	14.51	15.3	0		
10	QPSK	25	0	14.62	14.54	14.42				
10	QPSK	25	12	14.49	14.51	14.42	15.3	0		
10	QPSK	25	25	14.38	14.37	14.50				
10	QPSK	50	0	14.47	14.58	14.48	15.3	0		
10	16QAM	1	0	14.51	14.44	14.42				
10	16QAM	1	25	14.43	14.34	14.63	15.3	0		
10	16QAM	1	49	14.54	14.51	14.36				
10	16QAM	25	0	14.58	14.52	14.38	15.3	0		
10	16QAM	25	12	14.37	14.42	14.42				
10	16QAM	25	25	14.41	14.44	14.38	15.3	0		
10	16QAM	50	0	14.44	14.99	14.27				
10	64QAM	1	0	14.39	14.56	14.48	15.3	0		
10	64QAM	1	25	14.37	14.50	14.42				
10	64QAM	1	49	14.46	14.47	14.47	15.3	0		
10	64QAM	25	0	14.51	14.31	14.41				
10	64QAM	25	12	14.49	14.49	14.34	15.3	0		
10	64QAM	25	25	14.43	14.42	14.35				
10	64QAM	50	0	14.46	14.52	14.30	15.3	0		
10	64QAM	50	1	14.46	14.52	14.30				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.49	14.40	14.57	15.3	0		
5	QPSK	1	12	14.66	14.65	14.62				
5	QPSK	1	24	14.37	14.50	14.52	15.3	0		
5	QPSK	12	0	14.60	14.48	14.45				
5	QPSK	12	7	14.51	14.62	14.55	15.3	0		
5	QPSK	12	13	14.36	14.36	14.42				
5	QPSK	25	0	14.45	14.56	14.52	15.3	0		
5	QPSK	25	1	14.53	14.37	14.33				
5	16QAM	1	12	14.45	14.36	14.56	15.3	0		
5	16QAM	1	24	14.48	14.52	14.33				
5	16QAM	12	0	14.58	14.47	14.41	15.3	0		
5	16QAM	12	7	14.41	14.59	14.41				
5	16QAM	12	13	14.34	14.48	14.31	15.3	0		
5	16QAM	25	0	14.44	14.57	14.24				
5	64QAM	1	0	14.40	14.53	14.45	15.3	0		
5	64QAM	1	12	14.35	14.42	14.36				
5	64QAM	1	24	14.45	14.44	14.53	15.3	0		
5	64QAM	12	0	14.57	14.32	14.47				
5	64QAM	12	7	14.48	14.59	14.34	15.3	0		
5	64QAM	12	13	14.48	14.40	14.47				
5	64QAM	25	0	14.40	14.50	14.37	15.3	0		
5	64QAM	25	1	14.40	14.50	14.37				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.47	14.48	14.42	15.3	0		
3	QPSK	1	8	14.55	14.65	14.41				
3	QPSK	1	14	14.39	14.51	14.33	15.3	0		
3	QPSK	3	0	14.60	14.46	14.45				
3	QPSK	3	4	14.52	14.62	14.52	15.3	0		
3	QPSK	8	7	14.39	14.34	14.43				
3	QPSK	15	0	14.41	14.47	14.41	15.3	0		
3	16QAM	1	0	14.46	14.38	14.41				
3	16QAM	1	8	14.37	14.40	14.60	15.3	0		
3	16QAM	1	14	14.45	14.55	14.35				
3	16QAM	8	0	14.63	14.49	14.39	15.3	0		
3	16QAM	8	4	14.46	14.54	14.49				
3	16QAM	8	7	14.44	14.39	14.26	15.3	0		
3	16QAM	15	0	14.47	14.51	14.26				
3	64QAM	1	0	14.48	14.53	14.41	15.3	0		
3	64QAM	1	8	14.39	14.52	14.47				
3	64QAM	1	14	14.35	14.58	14.49	15.3	0		
3	64QAM	8	0	14.58	14.40	14.39				
3	64QAM	8	4	14.45	14.57	14.30	15.3	0		
3	64QAM	8	7	14.38	14.40	14.36				
3	64QAM	15	0	14.46	14.52	14.35	15.3	0		
3	64QAM	15	1	14.46	14.52	14.35				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.49	14.42	14.39	15.3	0		
1.4	QPSK	1	3	14.56	14.61	14.41				
1.4	QPSK	1	5	14.47	14.56	14.39	15.3	0		
1.4	QPSK	3	0	14.53	14.56	14.50				
1.4	QPSK	3	1	14.56	14.58	14.41	15.3	0		
1.4	QPSK	3	3	14.34	14.43	14.51				
1.4	QPSK	6	0	14.41	14.53	14.51	15.3	0		
1.4	16QAM	1	0	14.47	14.46	14.36				
1.4	16QAM	1	3	14.38	14.43	14.64	15.3	0		
1.4	16QAM	1	5	14.45	14.48	14.37				
1.4	16QAM	3	0	14.58	14.51	14.49	15.3	0		
1.4	16QAM	3	1	14.47	14.61	14.49				
1.4	16QAM	3	3	14.33	14.51	14.30	15.3	0		
1.4	16QAM	6	0	14.50	14.56	14.32				
1.4	64QAM	1	0	14.47	14.45	14.50	15.3	0		
1.4	64QAM	1	3	14.37	14.45	14.53				
1.4	64QAM	1	5	14.37	14.49	14.41	15.3	0		
1.4	64QAM	3	0</							



Band 4_Ant 4										
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										
Frequency (MHz)										
20	QPSK	1	0	16.21	16.21	16.23	16.8	0		
20	QPSK	1	49	16.32	16.34	16.30				
20	QPSK	1	99	16.25	16.26	16.22				
20	QPSK	50	0	16.25	16.28	16.26	16.8	0		
20	QPSK	50	24	16.20	16.26	16.26				
20	QPSK	50	50	16.27	16.26	16.15				
20	QPSK	100	0	16.21	16.25	16.24	16.8	0		
20	16QAM	1	0	16.25	16.20	16.21				
20	16QAM	1	49	16.23	16.26	16.16				
20	16QAM	1	99	16.19	16.22	16.19	16.8	0		
20	16QAM	50	0	16.18	16.25	16.23				
20	16QAM	50	24	16.25	16.29	16.23				
20	16QAM	50	50	16.19	16.19	16.17	16.8	0		
20	16QAM	100	0	16.22	16.20	16.23				
20	16QAM	1	0	16.18	16.23	16.23				
20	64QAM	1	49	16.24	16.26	16.23	16.8	0		
20	64QAM	1	99	16.25	16.22	16.16				
20	64QAM	50	0	16.21	16.25	16.18				
20	64QAM	50	24	16.23	16.26	16.15	16.8	0		
20	64QAM	50	50	16.18	16.20	16.18				
20	64QAM	100	0	16.27	16.27	16.30				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.16	16.08	16.16	16.8	0		
15	QPSK	1	37	16.17	16.24	16.17				
15	QPSK	1	74	16.12	16.09	16.09				
15	QPSK	36	0	16.15	16.16	16.19	16.8	0		
15	QPSK	36	20	16.21	16.17	16.15				
15	QPSK	36	39	16.19	16.20	16.04				
15	QPSK	75	0	16.10	16.16	16.15	16.8	0		
15	16QAM	1	0	16.15	16.16	16.10				
15	16QAM	1	37	16.17	16.15	16.07				
15	16QAM	1	74	16.04	16.09	16.09	16.8	0		
15	16QAM	36	0	16.05	16.14	16.17				
15	16QAM	36	20	16.13	16.14	16.08				
15	16QAM	36	39	16.07	16.08	16.04	16.8	0		
15	16QAM	75	0	16.15	16.14	16.18				
15	64QAM	1	0	16.09	16.11	16.09				
15	64QAM	1	37	16.09	16.11	16.12	16.8	0		
15	64QAM	1	74	16.11	16.12	16.10				
15	64QAM	36	0	16.09	16.12	16.03				
15	64QAM	36	20	16.15	16.18	16.02	16.8	0		
15	64QAM	36	39	16.06	16.24	16.03				
15	64QAM	75	0	16.20	16.15	16.24				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.08	16.11	16.10	16.8	0		
10	QPSK	1	25	16.27	16.19	16.15				
10	QPSK	1	49	16.15	16.16	16.11				
10	QPSK	25	0	16.14	16.20	16.19	16.8	0		
10	QPSK	25	12	16.17	16.18	16.18				
10	QPSK	25	25	16.18	16.13	16.05				
10	QPSK	50	0	16.14	16.14	16.11	16.8	0		
10	16QAM	1	0	16.18	16.15	16.07				
10	16QAM	1	25	16.12	16.13	16.02				
10	16QAM	1	49	16.09	16.15	16.12	16.8	0		
10	16QAM	25	0	16.08	16.16	16.10				
10	16QAM	25	12	16.15	16.19	16.15				
10	16QAM	25	25	16.10	16.07	16.02	16.8	0		
10	16QAM	50	0	16.12	16.13	16.13				
10	64QAM	1	0	16.11	16.10	16.14				
10	64QAM	1	25	16.09	16.11	16.18	16.8	0		
10	64QAM	1	49	16.17	16.16	16.04				
10	64QAM	25	0	16.15	16.18	16.10				
10	64QAM	25	12	16.12	16.14	16.08	16.8	0		
10	64QAM	25	25	16.10	16.14	16.09				
10	64QAM	50	0	16.18	16.14	16.20				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.13	16.16	16.08	16.8	0		
5	QPSK	1	12	16.19	16.21	16.21				
5	QPSK	1	24	16.15	16.16	16.14				
5	QPSK	12	0	16.17	16.15	16.19	16.8	0		
5	QPSK	12	7	16.19	16.20	16.17				
5	QPSK	12	13	16.18	16.11	16.03				
5	QPSK	25	0	16.11	16.16	16.17	16.8	0		
5	16QAM	1	0	16.17	16.05	16.14				
5	16QAM	1	12	16.06	16.11	16.05				
5	16QAM	1	24	16.08	16.17	16.14	16.8	0		
5	16QAM	12	0	16.06	16.19	16.17				
5	16QAM	12	7	16.10	16.22	16.16				
5	16QAM	12	13	16.14	16.10	16.11	16.8	0		
5	16QAM	25	0	16.10	16.14	16.16				
5	64QAM	1	0	16.06	16.13	16.17				
5	64QAM	1	12	16.19	16.20	16.08	16.8	0		
5	64QAM	1	24	16.20	16.08	16.11				
5	64QAM	12	0	16.10	16.11	16.04				
5	64QAM	12	7	16.14	16.21	16.04	16.8	0		
5	64QAM	12	13	16.11	16.14	16.06				
5	64QAM	25	0	16.26	16.22	16.30				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.08	16.09	16.10	16.8	0		
3	QPSK	1	8	16.27	16.27	16.18				
3	QPSK	1	14	16.15	16.13	16.12				
3	QPSK	8	0	16.14	16.23	16.19	16.8	0		
3	QPSK	8	4	16.20	16.20	16.16				
3	QPSK	8	7	16.12	16.12	16.00				
3	QPSK	15	0	16.10	16.15	16.19	16.8	0		
3	16QAM	1	0	16.12	16.09	16.10				
3	16QAM	1	8	16.09	16.21	16.06				
3	16QAM	1	14	16.06	16.15	16.13	16.8	0		
3	16QAM	8	0	16.08	16.10	16.08				
3	16QAM	8	4	16.11	16.19	16.08				
3	16QAM	8	7	16.10	16.04	16.06	16.8	0		
3	16QAM	15	0	16.17	16.10	16.12				
3	64QAM	1	0	16.05	16.17	16.18				
3	64QAM	1	8	16.13	16.18	16.08	16.8	0		
3	64QAM	1	14	16.13	16.17	16.08				
3	64QAM	8	0	16.10	16.15	16.06				
3	64QAM	8	4	16.16	16.14	16.10	16.8	0		
3	64QAM	8	7	16.04	16.15	16.11				
3	64QAM	15	0	16.12	16.18	16.30				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.06	16.08	16.11	16.8	0		
1.4	QPSK	1	3	16.18	16.28	16.24				
1.4	QPSK	1	5	16.10	16.08	16.16				
1.4	QPSK	3	0	16.14	16.22	16.18	16.8	0		
1.4	QPSK	3	1	16.16	16.21	16.17				
1.4	QPSK	3	3	16.19	16.13	16.03				
1.4	QPSK	6	0	16.11	16.15	16.19	16.8	0		
1.4	16QAM	1	0	16.17	16.12	16.10				
1.4	16QAM	1	3	16.10	16.11	16.02				
1.4	16QAM	1	5	16.08	16.08	16.11	16.8	0		
1.4	16QAM	3	0	16.07	16.17	16.16				
1.4	16QAM	3	1	16.18	16.18	16.10				
1.4	16QAM	3	3	16.09	16.12	16.02	16.8	0		
1.4	16QAM	6	0	16.11	16.07	16.11				
1.4	64QAM	1	0	16.09	16.16	16.14				
1.4	64QAM	1	3	16.18	16.20	16.13	16.8	0		
1.4	64QAM	1	5	16.19	16.14	16.11				
1.4	64QAM	3	0	16.15	16.20	16.10				
1.4	64QAM	3	1	16.09	16.11	16.01	16.8	0		
1.4	64QAM	3	3	16.12	16.20	16.04				
1.4	64QAM	6	0	16.26	16.22	16.25				

Band 5_Ant 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										
Frequency (MHz)										
10	QPSK	1	0	16.66	16.67	16.67	17	0		
10	QPSK	1	25	16.70	16.72	16.69				
10	QPSK	1	49	16.68	16.65	16.61				
10	QPSK	25	0	16.60	16.62	16.60	17	0		
10	QPSK	25	12	16.53	16.56	16.54				
10	QPSK	25	25	16.60	16.59	16.63				
10	QPSK	50	0	16.64	16.65	16.63	17	0		
10	16QAM	1	0	16.59	16.63	16.57				
10	16QAM	1	25	16.61	16.57	16.57				
10	16QAM	1	49	16.64	16.58	16.58	17	0		
10	16QAM	25	0	16.59	16.61	16.58				
10	16QAM									



Band 7_Ant 3										
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	12.67	12.70	12.67				
20	QPSK	1	49	12.72	12.75	12.74	13.8	0		
20	QPSK	1	99	12.62	12.65	12.64				
20	QPSK	50	0	12.69	12.81	12.59				
20	QPSK	50	24	12.65	12.87	12.82				
20	QPSK	50	50	12.65	12.85	12.81				
20	QPSK	100	0	12.66	12.69	12.68				
20	16QAM	1	0	12.57	12.67	12.65				
20	16QAM	1	49	12.67	12.66	12.65	13.8	0		
20	16QAM	1	99	12.67	12.65	12.66				
20	16QAM	50	0	12.59	12.84	12.85				
20	16QAM	50	24	12.64	12.89	12.80				
20	16QAM	50	50	12.65	12.85	12.86				
20	16QAM	100	0	12.62	12.70	12.61				
20	64QAM	1	0	12.63	12.60	12.65				
20	64QAM	1	49	12.64	12.61	12.66	13.8	0		
20	64QAM	1	99	12.58	12.83	12.69				
20	64QAM	50	0	12.62	12.69	12.59				
20	64QAM	50	24	12.60	12.82	12.67				
20	64QAM	50	50	12.67	12.70	12.83				
20	64QAM	100	0	12.71	12.63	12.61				
Channel				20925	21100	21375				
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	12.60	12.55	12.58				
15	QPSK	1	37	12.67	12.63	12.60	13.8	0		
15	QPSK	1	74	12.55	12.53	12.51				
15	QPSK	36	0	12.63	12.51	12.46				
15	QPSK	36	20	12.52	12.54	12.56				
15	QPSK	36	39	12.60	12.52	12.53	13.8	0		
15	QPSK	75	0	12.57	12.60	12.61				
15	16QAM	1	0	12.51	12.60	12.55				
15	16QAM	1	37	12.62	12.51	12.53	13.8	0		
15	16QAM	1	74	12.60	12.60	12.57				
15	16QAM	36	0	12.52	12.51	12.52				
15	16QAM	36	20	12.52	12.58	12.48				
15	16QAM	36	39	12.57	12.57	12.56	13.8	0		
15	16QAM	75	0	12.48	12.58	12.49				
15	64QAM	1	0	12.54	12.54	12.56				
15	64QAM	1	37	12.56	12.53	12.54	13.8	0		
15	64QAM	1	74	12.52	12.58	12.63				
15	64QAM	36	0	12.55	12.59	12.47				
15	64QAM	36	20	12.49	12.54	12.56				
15	64QAM	36	39	12.53	12.58	12.52	13.8	0		
15	64QAM	75	0	12.59	12.54	12.49				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	12.59	12.57	12.59				
10	QPSK	1	25	12.65	12.62	12.67	13.8	0		
10	QPSK	1	49	12.53	12.57	12.58				
10	QPSK	25	0	12.51	12.47	12.46				
10	QPSK	25	12	12.58	12.55	12.56				
10	QPSK	25	25	12.60	12.60	12.50	13.8	0		
10	QPSK	50	0	12.51	12.54	12.58				
10	16QAM	1	0	12.43	12.52	12.60				
10	16QAM	1	25	12.57	12.55	12.55	13.8	0		
10	16QAM	1	49	12.56	12.51	12.55				
10	16QAM	25	0	12.50	12.56	12.50				
10	16QAM	25	12	12.58	12.55	12.54				
10	16QAM	25	25	12.59	12.57	12.58	13.8	0		
10	16QAM	50	0	12.56	12.61	12.47				
10	64QAM	1	0	12.50	12.54	12.51				
10	64QAM	1	25	12.49	12.56	12.52	13.8	0		
10	64QAM	1	49	12.50	12.58	12.63				
10	64QAM	25	0	12.54	12.57	12.47				
10	64QAM	25	12	12.51	12.54	12.57	13.8	0		
10	64QAM	25	25	12.62	12.63	12.56				
10	64QAM	50	0	12.58	12.63	12.70				
Channel				20775	21100	21425				
Frequency (MHz)				2602.5	2635	2667.5				
5	QPSK	1	0	12.56	12.63	12.53				
5	QPSK	1	12	12.65	12.72	12.67	13.8	0		
5	QPSK	1	24	12.51	12.56	12.51				
5	QPSK	12	0	12.49	12.53	12.47				
5	QPSK	12	7	12.51	12.58	12.54	13.8	0		
5	QPSK	12	13	12.56	12.51	12.50				
5	QPSK	25	0	12.56	12.64	12.58				
5	16QAM	1	0	12.46	12.59	12.50				
5	16QAM	1	12	12.59	12.54	12.55	13.8	0		
5	16QAM	1	24	12.62	12.99	12.55				
5	16QAM	12	0	12.46	12.49	12.54				
5	16QAM	12	7	12.54	12.58	12.50	13.8	0		
5	16QAM	12	13	12.55	12.55	12.56				
5	16QAM	25	0	12.54	12.63	12.53				
5	64QAM	1	0	12.53	12.51	12.53				
5	64QAM	1	12	12.57	12.46	12.54	13.8	0		
5	64QAM	1	24	12.52	12.52	12.61				
5	64QAM	12	0	12.54	12.57	12.50				
5	64QAM	12	7	12.51	12.57	12.59	13.8	0		
5	64QAM	12	13	12.56	12.56	12.53				
5	64QAM	25	0	12.58	12.61	12.58				

Band 7_Ant 0										
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	15.69	15.72	15.63				
20	QPSK	1	49	15.73	15.61	15.75	16.3	0		
20	QPSK	1	99	15.70	15.67	15.64				
20	QPSK	50	0	15.64	15.66	15.73				
20	QPSK	50	24	15.73	15.75	15.74				
20	QPSK	50	50	15.72	15.67	15.65				
20	QPSK	100	0	15.74	15.76	15.70				
20	16QAM	1	0	15.73	15.75	15.69				
20	16QAM	1	49	15.74	15.68	15.64	16.3	0		
20	16QAM	1	99	15.69	15.75	15.68				
20	16QAM	50	0	15.64	15.76	15.73				
20	16QAM	50	24	15.71	15.72	15.64				
20	16QAM	50	50	15.68	15.73	15.68				
20	16QAM	100	0	15.69	15.76	15.72				
20	64QAM	1	0	15.72	15.69	15.70				
20	64QAM	1	49	15.74	15.70	15.66	16.3	0		
20	64QAM	1	99	15.65	15.69	15.70				
20	64QAM	50	0	15.67	15.68	15.73				
20	64QAM	50	24	15.67	15.66	15.70				
20	64QAM	50	50	15.64	15.74	15.66				
20	64QAM	100	0	15.65	15.76	15.73				
Channel				20925	21100	21375				
Frequency (MHz)				2607.5	2635	2662.5				
15	QPSK	1	0	15.57	15.59	15.52				
15	QPSK	1	37	15.71	15.69	15.67	16.3	0		
15	QPSK	1	74	15.84	15.58	15.58				
15	QPSK	36	0	15.54	15.58	15.68				
15	QPSK	36	20	15.68	15.66	15.61				
15	QPSK	36	39	15.66	15.61	15.54	16.3	0		
15	QPSK	75	0	15.65	15.70	15.57				
15	16QAM	1	0	15.68	15.68	15.63				
15	16QAM	1	37	15.82	15.61	15.53	16.3	0		
15	16QAM	1	74	15.57	15.66	15.60				
15	16QAM	36	0	15.56	15.68	15.59				
15	16QAM	36	20	15.65	15.65	15.54				
15	16QAM	36	39	15.61	15.68	15.54	16.3	0		
15										



Band 12_Ant 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										
Frequency (MHz)				23060	23095	23130				
704				707.5	711					
10	QPSK	1	0	18.67	18.73	18.69				
10	QPSK	1	25	18.81	18.82	18.81	19.2	0		
10	QPSK	1	49	18.68	18.74	18.68				
10	QPSK	25	0	18.68	18.67	18.71				
10	QPSK	25	12	18.70	18.75	18.72				
10	QPSK	25	25	18.67	18.68	18.69	19.2	0		
10	QPSK	50	0	18.70	18.75	18.71				
10	16QAM	1	0	18.74	18.68	18.76				
10	16QAM	1	25	18.69	18.75	18.66	19.2	0		
10	16QAM	1	49	18.75	18.75	18.70				
10	16QAM	25	0	18.72	18.77	18.71				
10	16QAM	25	12	18.75	18.72	18.67				
10	16QAM	25	25	18.68	18.71	18.68	19.2	0		
10	16QAM	50	0	18.68	18.72	18.68				
10	64QAM	1	0	18.67	18.71	18.67				
10	64QAM	1	25	18.68	18.67	18.67	19.2	0		
10	64QAM	1	49	18.70	18.74	18.66				
10	64QAM	25	0	18.72	18.70	18.68				
10	64QAM	25	12	18.69	18.72	18.66	19.2	0		
10	64QAM	25	25	18.71	18.75	18.69				
10	64QAM	50	0	18.71	18.81	18.69				
Channel										
Frequency (MHz)				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
701.5				707.5	713.5					
5	QPSK	1	0	18.60	18.62	18.62				
5	QPSK	1	12	18.75	18.71	18.75	19.2	0		
5	QPSK	1	24	18.54	18.63	18.63				
5	QPSK	12	0	18.56	18.58	18.58				
5	QPSK	12	7	18.64	18.61	18.57				
5	QPSK	12	13	18.58	18.64	18.62	19.2	0		
5	QPSK	25	0	18.58	18.68	18.64				
5	16QAM	1	0	18.67	18.53	18.64				
5	16QAM	1	12	18.56	18.61	18.51	19.2	0		
5	16QAM	1	24	18.62	18.70	18.59				
5	16QAM	12	0	18.62	18.64	18.66				
5	16QAM	12	7	18.68	18.60	18.63				
5	16QAM	12	13	18.55	18.60	18.53	19.2	0		
5	16QAM	25	0	18.63	18.63	18.63				
5	64QAM	1	0	18.52	18.66	18.59				
5	64QAM	1	12	18.60	18.61	18.60	19.2	0		
5	64QAM	1	24	18.59	18.60	18.56				
5	64QAM	12	0	18.66	18.58	18.60				
5	64QAM	12	7	18.59	18.61	18.59	19.2	0		
5	64QAM	12	13	18.62	18.62	18.58				
5	64QAM	25	0	18.60	18.73	18.68				
Channel										
Frequency (MHz)				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
700.5				707.5	714.5					
3	QPSK	1	0	18.59	18.62	18.59				
3	QPSK	1	8	18.71	18.69	18.70	19.2	0		
3	QPSK	1	14	18.63	18.66	18.62				
3	QPSK	3	0	18.60	18.54	18.58				
3	QPSK	3	4	18.62	18.67	18.62				
3	QPSK	3	7	18.59	18.56	18.61	19.2	0		
3	QPSK	15	0	18.62	18.69	18.62				
3	16QAM	1	0	18.63	18.53	18.68				
3	16QAM	1	8	18.62	18.64	18.57	19.2	0		
3	16QAM	1	14	18.67	18.67	18.67				
3	16QAM	3	0	18.60	18.64	18.66				
3	16QAM	3	4	18.66	18.56	18.56				
3	16QAM	3	7	18.59	18.56	18.62	19.2	0		
3	16QAM	15	0	18.60	18.66	18.61				
3	64QAM	1	0	18.54	18.56	18.55				
3	64QAM	1	8	18.59	18.57	18.57	19.2	0		
3	64QAM	1	14	18.55	18.65	18.56				
3	64QAM	3	0	18.61	18.62	18.61				
3	64QAM	3	4	18.60	18.65	18.59	19.2	0		
3	64QAM	3	7	18.54	18.69	18.55				
3	64QAM	15	0	18.59	18.67	18.68				
Channel										
Frequency (MHz)				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
699.7				707.5	715.3					
1.4	QPSK	1	0	18.57	18.66	18.58				
1.4	QPSK	1	3	18.73	18.67	18.66	19.2	0		
1.4	QPSK	1	5	18.57	18.69	18.54				
1.4	QPSK	3	0	18.56	18.52	18.59				
1.4	QPSK	3	1	18.65	18.68	18.64				
1.4	QPSK	3	3	18.52	18.56	18.56				
1.4	QPSK	3	6	18.59	18.69	18.62	19.2	0		
1.4	16QAM	1	0	18.59	18.53	18.66				
1.4	16QAM	1	3	18.64	18.65	18.53				
1.4	16QAM	1	5	18.60	18.69	18.62	19.2	0		
1.4	16QAM	3	0	18.66	18.68	18.58				
1.4	16QAM	3	1	18.70	18.62	18.56				
1.4	16QAM	3	3	18.53	18.64	18.60				
1.4	16QAM	6	0	18.59	18.61	18.55	19.2	0		
1.4	64QAM	1	0	18.60	18.63	18.59				
1.4	64QAM	1	3	18.55	18.56	18.59				
1.4	64QAM	1	5	18.62	18.69	18.51				
1.4	64QAM	3	0	18.66	18.65	18.58	19.2	0		
1.4	64QAM	3	1	18.59	18.60	18.53				
1.4	64QAM	3	3	18.64	18.67	18.63				
1.4	64QAM	6	0	18.61	18.67	18.56	19.2	0		

Band 12_Ant 0										
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										
Frequency (MHz)				23060	23095	23130				
704				707.5	711					
10	QPSK	1	0	20.18	20.13	20.12				
10	QPSK	1	25	20.26	20.28	20.25	21.7	0		
10	QPSK	1	49	20.21	20.14	20.15				
10	QPSK	25	0	20.11	20.13	20.16				
10	QPSK	25	12	20.23	20.25	20.21				
10	QPSK	25	25	20.14	20.20	20.18	21.7	0		
10	QPSK	50	0	20.16	20.20	20.18				
10	16QAM	1	0	20.14	20.13	20.20				
10	16QAM	1	25	20.21	20.13	20.10	21.7	0		
10	16QAM	1	49	20.14	20.22	20.17				
10	16QAM	25	0	20.13	20.21	20.11				
10	16QAM	25	12	20.14	20.17	20.11				
10	16QAM	25	25	20.16	20.15	20.11	21.7	0		
10	16QAM	50	0	20.15	20.16	20.17				
10	64QAM	1	0	20.16	20.21	20.19				
10	64QAM	1	25	20.21	20.17	20.15	21.7	0		
10	64QAM	1	49	20.20	20.20	20.12				
10	64QAM	25	0	20.11	20.13	20.13				
10	64QAM	25	12	20.12	20.17	20.15	21.7	0		
10	64QAM	25	25	20.19	20.16	20.10				
10	64QAM	50	0	20.12	20.15	20.15				
Channel										
Frequency (MHz)				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
701.5				707.5	713.5					
5	QPSK	1	0	20.13	20.04	20.02				
5	QPSK	1	12	20.11	20.16	20.10	21.7	0		
5	QPSK	1	24	20.14	20.07	20.09				
5	QPSK	12	0	19.96	19.98	20.01				
5	QPSK	12	7	20.14	20.15	20.12				
5	QPSK	12	13	20.08	20.09	20.10	21.7	0		
5	QPSK	25	0	20.02	20.14	20.06				
5	16QAM	1	0	20.09	20.10	20.11				
5	16QAM	1	12	20.11	20.00	19.98	21.7	0		
5	16QAM	1	24	20.00	20.15	20.12				
5	16QAM	12	0	20.02	20.10	20.01				
5	16QAM	12	7	20.03	20.10	20.02				



Band 66_Ant 0										
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	15.04	15.09	15.03				
20	QPSK	1	49	15.11	15.16	15.15	16.3	0		
20	QPSK	1	99	15.20	15.06	15.04				
20	QPSK	50	0	14.96	15.05	15.08				
20	QPSK	50	24	15.02	15.11	15.05				
20	QPSK	50	50	14.99	15.10	15.02				
20	QPSK	100	0	15.02	15.09	15.07				
20	16QAM	1	0	15.01	15.10	15.08				
20	16QAM	1	49	15.02	15.01	15.02	16.3	0		
20	16QAM	1	99	15.04	15.11	15.10				
20	16QAM	50	0	14.98	15.05	15.09				
20	16QAM	50	24	14.99	15.02	15.02				
20	16QAM	50	50	15.05	15.05	15.07				
20	16QAM	100	0	15.00	15.07	15.00				
20	64QAM	1	0	15.04	15.03	15.03				
20	64QAM	1	49	15.01	15.01	15.08	16.3	0		
20	64QAM	1	99	15.00	15.06	15.01				
20	64QAM	50	0	15.04	15.07	15.02				
20	64QAM	50	24	15.05	15.04	15.00				
20	64QAM	50	50	15.01	15.05	15.01	16.3	0		
20	64QAM	100	0	15.09	15.13	15.00				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	14.95	15.04	14.91				
15	QPSK	1	37	15.01	15.03	15.09	16.3	0		
15	QPSK	1	74	14.90	14.98	14.97				
15	QPSK	36	0	14.89	14.91	15.00				
15	QPSK	36	20	14.93	14.96	14.99				
15	QPSK	36	39	14.90	15.05	14.94	16.3	0		
15	QPSK	75	0	14.90	15.04	14.99				
15	16QAM	1	0	14.90	14.92	14.96				
15	16QAM	1	37	14.95	14.95	14.97	16.3	0		
15	16QAM	1	74	14.90	15.06	15.01				
15	16QAM	36	0	14.87	14.93	14.99				
15	16QAM	36	20	14.83	14.90	14.87				
15	16QAM	36	39	14.98	14.92	14.99	16.3	0		
15	16QAM	75	0	14.91	14.96	14.86				
15	64QAM	1	0	14.89	14.95	14.86				
15	64QAM	1	37	14.90	14.92	14.96	16.3	0		
15	64QAM	1	74	14.88	14.90	14.87				
15	64QAM	36	0	14.89	15.02	14.90				
15	64QAM	36	20	14.92	14.94	14.89				
15	64QAM	36	39	14.90	14.94	14.90	16.3	0		
15	64QAM	75	0	15.04	15.05	14.92				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	14.92	14.96	14.93				
10	QPSK	1	25	15.01	15.11	15.10	16.3	0		
10	QPSK	1	49	14.85	14.95	14.99				
10	QPSK	25	0	14.86	14.95	14.93				
10	QPSK	25	12	14.92	15.01	14.99				
10	QPSK	25	25	14.94	15.02	14.94	16.3	0		
10	QPSK	50	0	14.92	14.98	14.98				
10	16QAM	1	0	14.95	15.01	14.94				
10	16QAM	1	25	14.89	14.94	14.89	16.3	0		
10	16QAM	1	49	14.94	14.96	15.04				
10	16QAM	25	0	14.91	14.93	15.04				
10	16QAM	25	12	14.92	14.91	14.97				
10	16QAM	25	25	14.93	14.92	14.97	16.3	0		
10	16QAM	50	0	14.87	15.02	14.90				
10	64QAM	1	0	14.91	14.97	14.91				
10	64QAM	1	25	14.89	14.89	14.94	16.3	0		
10	64QAM	1	49	14.85	14.97	14.95				
10	64QAM	25	0	14.91	14.96	14.90				
10	64QAM	25	12	14.93	14.95	14.95	16.3	0		
10	64QAM	25	25	14.95	14.95	14.96				
10	64QAM	50	0	15.07	14.99	14.98				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
5	QPSK	1	0	14.91	15.02	14.98				
5	QPSK	1	12	14.97	15.03	15.02	16.3	0		
5	QPSK	1	24	14.88	14.96	14.94				
5	QPSK	12	0	14.87	14.98	15.03				
5	QPSK	12	7	14.97	15.02	15.04	16.3	0		
5	QPSK	12	13	14.87	14.98	14.93				
5	QPSK	25	0	14.93	14.98	14.96				
5	16QAM	1	0	14.94	15.04	14.99				
5	16QAM	1	12	14.98	14.93	14.94	16.3	0		
5	16QAM	1	24	14.98	15.05	15.01				
5	16QAM	12	0	14.84	14.96	14.98				
5	16QAM	12	7	14.92	14.93	14.95	16.3	0		
5	16QAM	12	13	15.00	14.97	14.92				
5	16QAM	25	0	14.88	14.93	14.87				
5	64QAM	1	0	14.90	14.89	14.88				
5	64QAM	1	12	14.91	14.95	15.00	16.3	0		
5	64QAM	1	24	14.87	14.93	14.95				
5	64QAM	12	0	14.95	14.95	14.90				
5	64QAM	12	7	15.00	14.89	14.94	16.3	0		
5	64QAM	12	13	14.88	14.90	14.88				
5	64QAM	25	0	15.00	15.02	14.90				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	14.98	15.02	14.91				
3	QPSK	1	8	15.04	15.11	15.05	16.3	0		
3	QPSK	1	14	14.93	14.91	14.94				
3	QPSK	8	0	14.87	14.96	14.95				
3	QPSK	8	4	14.99	15.03	15.03				
3	QPSK	8	7	14.92	15.02	14.89	16.3	0		
3	QPSK	15	0	14.97	15.03	15.02				
3	16QAM	1	0	14.98	14.95	14.99				
3	16QAM	1	8	14.94	14.94	14.91	16.3	0		
3	16QAM	1	14	14.90	14.97	15.02				
3	16QAM	8	0	14.94	14.91	14.97				
3	16QAM	8	4	14.98	14.95	14.96	16.3	0		
3	16QAM	8	7	15.00	14.98	15.01				
3	16QAM	15	0	14.94	14.95	14.89				
3	64QAM	1	0	14.98	14.93	14.91				
3	64QAM	1	8	14.87	14.96	15.02	16.3	0		
3	64QAM	1	14	14.85	14.99	14.94				
3	64QAM	8	0	14.93	15.02	14.88				
3	64QAM	8	4	14.95	14.92	14.87	16.3	0		
3	64QAM	8	7	14.93	14.99	14.95				
3	64QAM	15	0	15.04	15.05	14.92				
Channel				131979	132322	132865	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	14.90	14.98	14.94				
1.4	QPSK	1	3	15.02	15.02	15.04	16.3	0		
1.4	QPSK	1	5	14.95	14.93	14.94				
1.4	QPSK	3	0	14.82	14.93	14.99				
1.4	QPSK	3	1	14.98	14.99	15.02				
1.4	QPSK	3	3	14.84	14.95	14.88				
1.4	QPSK	6	0	14.97	15.02	14.96	16.3	0		
1.4	16QAM	1	0	14.90	14.95	14.94				
1.4	16QAM	1	3	14.90	14.91	14.89	16.3	0		
1.4	16QAM	1	5	14.94	14.96	14.98				
1.4	16QAM	3	0	14.84	14.94	14.94				
1.4	16QAM	3	1	14.83	14.88	14.90				
1.4	16QAM	3	3	14.97	14.90	14.97	16.3	0		
1.4	16QAM	6	0	14.91	14.94	14.86	16.3	0		
1.4	64QAM	1	0	14.92	14.97	14.97				
1.4	64QAM	1	3	14.97	14.92	14.93	16.3	0		
1.4	64QAM	1	5	14.85	14.97	14.91				
1.4	64QAM	3	0	14.95	14.95	14.97	16.3	0		
1.4	64QAM	3	1	14.98	14.96	14.90				
1.4	64QAM	3	3	14.93	14.90	14.91	16.3	0		
1.4	64QAM	6	0	15.07	15.02	14.95	16.3	0		

Band 66_Ant 4										
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	16.47	16.47	16.38				
20	QPSK	1	49	16.52	16.59	16.53	16.8	0		
20	QPSK	1	99	16.43	16.50	16.48				
20	QPSK	50	0	16.43	16.53	16.39				
20	QPSK	50	24	16.55	16.56	16.50				
20	QPSK	50	50	16.40	16.54	16.48	16.8	0		
20	QPSK	100	0	16.37	16.54	16.38				
20	16QAM	1	0	16.42	16.48	16.46				
20	16QAM	1	49	16.40	16.44	16.39	16.8	0		
20	16QAM	1	99	16.40	16.44	16.44				
20										



Reduced Power for DSI 6 ENDC

Band 2_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
17000	18900	19100								
20	QPSK	1	0	13.04	13.11	13.17				
20	QPSK	1	49	13.16	13.24	13.17	13.8	0		
20	QPSK	1	99	12.99	13.11	13.17				
20	QPSK	50	0	13.07	13.21	13.12				
20	QPSK	50	24	13.11	13.23	13.22				
20	QPSK	50	50	13.10	13.05	13.20				
20	QPSK	100	0	13.17	13.23	13.14				
20	16QAM	1	0	13.12	13.05	13.05				
20	16QAM	1	49	13.09	13.16	13.17				
20	16QAM	1	99	13.11	13.10	13.13				
20	16QAM	50	0	13.08	13.16	13.12				
20	16QAM	50	24	13.09	13.20	13.03				
20	16QAM	50	50	13.12	13.17	13.00				
20	16QAM	100	0	13.17	13.21	13.03				
20	64QAM	1	0	13.05	13.02	13.13				
20	64QAM	1	49	13.10	13.13	13.04				
20	64QAM	1	99	13.01	13.18	13.04				
20	64QAM	50	0	13.06	13.03	13.18				
20	64QAM	50	24	13.13	13.13	13.02				
20	64QAM	50	50	13.09	13.06	13.07				
20	64QAM	100	0	13.04	13.13	13.08				
Channel										
Frequency (MHz)										
18675	18900	19125								
15	QPSK	1	0	12.90	12.98	13.07				
15	QPSK	1	37	13.12	13.20	13.14				
15	QPSK	1	74	12.89	13.02	13.10				
15	QPSK	36	0	13.06	13.19	13.03				
15	QPSK	36	20	13.01	13.09	13.08				
15	QPSK	36	39	12.99	13.01	13.10				
15	QPSK	75	0	13.09	13.15	13.03				
15	16QAM	1	1	12.98	12.99	12.97				
15	16QAM	1	37	12.96	13.02	13.07				
15	16QAM	1	74	12.98	13.02	13.07				
15	16QAM	36	0	13.03	13.09	13.00				
15	16QAM	36	20	13.07	13.15	12.97				
15	16QAM	36	39	12.97	13.09	12.94				
15	16QAM	75	0	13.05	13.16	12.95				
15	64QAM	1	0	12.97	12.87	13.01				
15	64QAM	1	37	13.08	13.06	12.97				
15	64QAM	1	74	12.91	13.03	12.98				
15	64QAM	36	0	13.03	13.01	13.08				
15	64QAM	36	20	13.12	12.92	12.89				
15	64QAM	36	39	13.04	12.93	12.99				
15	64QAM	75	0	12.96	13.01	12.95				
Channel										
Frequency (MHz)										
1855	1880	1905								
10	QPSK	1	0	12.92	13.03	13.16				
10	QPSK	1	25	13.09	13.16	13.12				
10	QPSK	1	49	12.97	13.00	12.96				
10	QPSK	25	0	12.98	13.18	13.04				
10	QPSK	25	12	12.97	13.13	13.12				
10	QPSK	25	25	12.99	13.01	13.12				
10	QPSK	50	0	13.08	13.19	13.05				
10	16QAM	1	0	13.08	12.90	12.96				
10	16QAM	1	25	13.00	13.15	13.03				
10	16QAM	1	49	12.97	13.00	12.98				
10	16QAM	25	0	12.93	13.14	12.97				
10	16QAM	25	12	13.07	13.10	12.98				
10	16QAM	25	25	13.11	13.16	12.88				
10	16QAM	50	0	13.16	13.10	12.95				
10	64QAM	1	0	12.95	12.88	13.11				
10	64QAM	1	25	13.02	12.98	13.00				
10	64QAM	1	49	12.98	13.11	12.94				
10	64QAM	25	0	13.04	12.96	13.09				
10	64QAM	25	12	13.01	13.01	12.89				
10	64QAM	25	25	12.94	12.96	13.00				
10	64QAM	50	0	13.01	13.00	13.04				
Channel										
Frequency (MHz)										
18625	18900	19175								
5	QPSK	1	0	12.99	13.01	13.15				
5	QPSK	1	12	13.11	13.12	13.10				
5	QPSK	1	24	12.93	13.11	13.01				
5	QPSK	12	0	12.95	13.16	13.07				
5	QPSK	12	7	13.04	13.15	13.17				
5	QPSK	12	13	13.05	12.99	13.11				
5	QPSK	25	0	13.11	13.18	13.01				
5	16QAM	1	1	12.97	13.02	12.97				
5	16QAM	1	12	13.01	13.12	13.16				
5	16QAM	1	24	13.06	12.99	13.02				
5	16QAM	12	0	13.06	13.07	13.08				
5	16QAM	12	7	12.97	13.17	12.89				
5	16QAM	12	13	13.05	13.04	12.95				
5	16QAM	25	0	13.12	13.06	12.88				
5	64QAM	1	0	13.02	12.89	13.07				
5	64QAM	1	12	13.07	13.06	12.89				
5	64QAM	1	24	13.00	13.10	13.02				
5	64QAM	12	0	12.91	12.97	13.09				
5	64QAM	12	7	13.05	12.97	12.96				
5	64QAM	12	13	13.04	13.07	12.99				
5	64QAM	25	0	12.95	12.98	13.05				
Channel										
Frequency (MHz)										
18515	18800	19185								
3	QPSK	1	0	13.03	13.06	13.08				
3	QPSK	1	8	13.15	13.18	13.05				
3	QPSK	1	14	12.85	13.10	13.05				
3	QPSK	8	0	13.01	13.07	13.09				
3	QPSK	8	4	12.97	13.10	13.17				
3	QPSK	8	7	13.07	13.00	13.06				
3	QPSK	15	0	13.08	13.20	13.03				
3	16QAM	1	0	13.07	12.93	13.03				
3	16QAM	1	8	13.08	13.08	13.10				
3	16QAM	1	14	13.04	13.05	13.12				
3	16QAM	8	0	12.97	13.04	13.08				
3	16QAM	8	4	13.05	13.19	12.99				
3	16QAM	8	7	13.03	13.13	12.90				
3	16QAM	15	0	13.05	13.15	12.88				
3	64QAM	1	0	12.96	12.89	13.09				
3	64QAM	1	8	13.01	13.00	12.90				
3	64QAM	1	14	12.94	13.12	12.97				
3	64QAM	8	0	13.05	12.96	13.10				
3	64QAM	8	4	13.11	12.97	12.92				
3	64QAM	8	7	13.06	13.06	13.05				
3	64QAM	15	0	13.01	12.98	12.97				
Channel										
Frequency (MHz)										
18907	18900	19193								
1.4	QPSK	1	0	12.90	12.97	13.15				
1.4	QPSK	1	3	13.06	13.18	13.12				
1.4	QPSK	1	5	12.84	13.08	13.09				
1.4	QPSK	3	0	13.06	13.06	13.11				
1.4	QPSK	3	1	12.99	13.13	13.07				
1.4	QPSK	3	3	13.09	12.96	13.10				
1.4	QPSK	6	0	13.04	13.16	13.01				
1.4	16QAM	1	1	13.00	13.01	12.93				
1.4	16QAM	1	3	12.97	13.03	13.03				
1.4	16QAM	1	5	13.02	12.99	12.99				
1.4	16QAM	3	0	12.94	13.07	12.97				
1.4	16QAM	3	1	13.06	13.18	12.98				
1.4	16QAM	3	3	13.01	13.04	12.97				
1.4	16QAM	6	0	13.02	13.13	12.90				
1.4	64QAM	1	0	12.97	13.00	13.05				
1.4	64QAM	1	3	13.05	13.07	12.94				
1.4	64QAM	1	5	13.00	13.17	13.02				
1.4	64QAM	3	0	13.05	12.88	13.16				
1.4	64QAM	3	1	13.10	13.01	12.97				
1.4	64QAM	3	3	13.02	13.04	13.04				
1.4	64QAM	6	0	12.89	13.07	13.05				



Band 4_Ant 4										
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				2050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	13.17	13.23	13.14				
20	QPSK	1	49	13.23	13.32	13.26	13.8	0		
20	QPSK	1	99	13.21	13.25	13.23				
20	QPSK	50	0	13.17	13.17	13.20				
20	QPSK	50	24	13.23	13.24	13.22				
20	QPSK	50	50	13.22	13.20	13.17				
20	QPSK	100	0	13.21	13.23	13.18				
20	16QAM	1	0	13.21	13.17	13.22				
20	16QAM	1	49	13.21	13.27	13.19				
20	16QAM	1	99	13.14	13.22	13.14				
20	16QAM	25	0	13.18	13.19	13.15				
20	16QAM	50	24	13.24	13.20	13.14				
20	16QAM	50	50	13.20	13.19	13.17				
20	16QAM	100	0	13.20	13.20	13.19				
20	64QAM	1	0	13.14	13.21	13.18				
20	64QAM	1	49	13.14	13.25	13.19				
20	64QAM	1	99	13.23	13.24	13.14				
20	64QAM	50	0	13.24	13.25	13.13				
20	64QAM	50	24	13.23	13.23	13.17				
20	64QAM	50	50	13.18	13.25	13.20				
20	64QAM	100	0	13.21	13.29	13.23				
Channel				20925	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	13.09	13.10	13.09				
15	QPSK	1	37	13.15	13.17	13.15				
15	QPSK	1	74	13.12	13.15	13.08				
15	QPSK	36	0	13.10	13.07	13.10				
15	QPSK	36	20	13.12	13.12	13.09				
15	QPSK	36	39	13.15	13.15	13.05				
15	QPSK	75	0	13.15	13.15	13.05				
15	16QAM	1	0	13.10	13.05	13.17				
15	16QAM	1	37	13.06	13.17	13.08				
15	16QAM	1	74	13.06	13.13	13.05				
15	16QAM	36	0	13.10	13.13	13.09				
15	16QAM	36	20	13.19	13.06	13.08				
15	16QAM	36	39	13.14	13.10	13.09				
15	16QAM	75	0	13.14	13.07	13.14				
15	64QAM	1	0	13.03	13.11	13.07				
15	64QAM	1	37	13.06	13.13	13.06				
15	64QAM	1	74	13.13	13.11	13.08				
15	64QAM	36	0	13.14	13.14	13.07				
15	64QAM	36	20	13.15	13.14	13.10				
15	64QAM	36	39	13.04	13.15	13.07				
15	64QAM	75	0	13.11	13.16	13.16				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	13.07	13.12	13.08				
10	QPSK	1	25	13.20	13.19	13.20				
10	QPSK	1	49	13.12	13.08	13.10				
10	QPSK	25	0	13.08	13.05	13.14				
10	QPSK	25	12	13.11	13.13	13.10				
10	QPSK	25	25	13.09	13.10	13.10				
10	QPSK	50	0	13.09	13.08	13.12				
10	16QAM	1	0	13.11	13.06	13.09				
10	16QAM	1	25	13.06	13.12	13.10				
10	16QAM	1	49	13.09	13.13	13.09				
10	16QAM	25	0	13.06	13.11	13.08				
10	16QAM	25	12	13.10	13.12	13.09				
10	16QAM	25	25	13.07	13.11	13.11				
10	16QAM	50	0	13.08	13.08	13.06				
10	64QAM	1	0	13.09	13.12	13.12				
10	64QAM	1	25	13.02	13.14	13.13				
10	64QAM	1	49	13.09	13.16	13.01				
10	64QAM	25	0	13.17	13.16	13.10				
10	64QAM	25	12	13.09	13.14	13.05				
10	64QAM	25	25	13.04	13.13	13.09				
10	64QAM	50	0	13.18	13.24	13.15				
Channel				18975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	13.05	13.13	13.06				
5	QPSK	1	12	13.18	13.17	13.15				
5	QPSK	1	24	13.14	13.09	13.13				
5	QPSK	12	0	13.03	13.05	13.14				
5	QPSK	12	7	13.13	13.16	13.13				
5	QPSK	12	13	13.14	13.11	13.07				
5	QPSK	25	0	13.13	13.09	13.11				
5	16QAM	1	0	13.08	13.04	13.17				
5	16QAM	1	12	13.08	13.20	13.10				
5	16QAM	1	24	13.01	13.11	13.03				
5	16QAM	12	0	13.03	13.05	13.07				
5	16QAM	12	7	13.10	13.07	13.08				
5	16QAM	12	13	13.13	13.09	13.10				
5	64QAM	1	0	13.04	13.08	13.06				
5	64QAM	1	12	13.01	13.15	13.09				
5	64QAM	1	24	13.18	13.09	13.05				
5	64QAM	12	0	13.14	13.19	12.99				
5	64QAM	12	7	13.14	13.15	13.06				
5	64QAM	12	13	13.12	13.12	13.13				
5	64QAM	25	0	13.09	13.28	13.18				
Channel				19665	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	13.10	13.13	13.03				
3	QPSK	1	8	13.23	13.24	13.17				
3	QPSK	1	14	13.15	13.10	13.07				
3	QPSK	8	0	13.03	13.06	13.08				
3	QPSK	8	4	13.17	13.13	13.10				
3	QPSK	8	7	13.13	13.11	13.09				
3	QPSK	15	0	13.09	13.15	13.04				
3	16QAM	1	0	13.14	13.04	13.12				
3	16QAM	1	8	13.15	13.13	13.07				
3	16QAM	1	14	13.02	13.15	13.07				
3	16QAM	8	0	13.13	13.09	13.02				
3	16QAM	8	4	13.19	13.12	13.01				
3	16QAM	8	7	13.05	13.05	13.12				
3	16QAM	15	0	13.09	13.06	13.04				
3	64QAM	1	0	13.06	13.08	13.03				
3	64QAM	1	8	13.08	13.20	13.10				
3	64QAM	1	14	13.09	13.11	13.05				
3	64QAM	8	0	13.14	13.11	12.98				
3	64QAM	8	4	13.08	13.08	13.05				
3	64QAM	8	7	13.07	13.15	13.08				
3	64QAM	15	0	13.16	13.18	13.14				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	13.10	13.12	13.02				
1.4	QPSK	1	3	13.24	13.22	13.20				
1.4	QPSK	1	5	13.08	13.17	13.11				
1.4	QPSK	3	0	13.03	13.06	13.12				
1.4	QPSK	3	1	13.16	13.10	13.16				
1.4	QPSK	3	3	13.14	13.07	13.11				
1.4	QPSK	6	0	13.14	13.14	13.02				
1.4	16QAM	1	0	13.09	13.04	13.07				
1.4	16QAM	1	3	13.11	13.14	13.11				
1.4	16QAM	1	5	13.01	13.10	13.07				
1.4	16QAM	3	0	13.10	13.04	13.10				
1.4	16QAM	3	1	13.14	13.15	13.09				
1.4	16QAM	3	3	13.15	13.10	13.03				
1.4	16QAM	6	0	13.05	13.12	13.13				
1.4	64QAM	1	0	13.07	13.08	13.09				
1.4	64QAM	1	3	13.08	13.17	13.11				
1.4	64QAM	1	5	13.10	13.19	13.09				
1.4	64QAM	3	0	13.13	13.12	13.06				
1.4	64QAM	3	1	13.16	13.09	13.04				
1.4	64QAM	3	3	13.05	13.21	13.10				
1.4	64QAM	6	0	13.08	13.26	13.18				

Band 5_Ant 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				20450	20525	20600				
Frequency (MHz)				629	636.5	644				
10	QPSK	1	0	15.86	15.83	15.56				
10	QPSK	1	25	15.71	15.75	15.65	16	0		
10	QPSK	1	49	15.66	15.80	15.59				
10	QPSK	25	0	15.57	15.62	15.55				
10	QPSK	25	12	15.81	15.67	15.63				
10	QPSK	25	25	15.57	15.66	15.62				
10	QPSK	50	0	15.83	15.64	15.61				
10	16QAM	1	0	15.59	15.61	15.57				
10	16QAM	1	25	15.83	15.60	15.60				
10	16QAM	1	49	15.64	15.60	15.64				
10	16QAM	25	0	15.80	15.70	15.63				
10	16QAM	25	12	15.84	15.66	15.56				
10	16QAM	25	25	15.83	15.65	15.57				



Band 7_Ant 3										
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				2050	2100	2150				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	12.10	12.12	12.06				
20	QPSK	1	49	12.19	12.21	12.16	13.3	0		
20	QPSK	1	99	12.08	12.06	12.08				
20	QPSK	50	0	12.09	12.12	12.09				
20	QPSK	50	24	12.12	12.18	12.11				
20	QPSK	50	50	12.04	12.09	12.09				
20	QPSK	100	0	12.14	12.15	12.06				
20	16QAM	1	0	12.04	12.13	12.10				
20	16QAM	1	49	12.12	12.11	12.09	13.3	0		
20	16QAM	1	99	12.05	12.16	12.05				
20	16QAM	50	0	12.14	12.10	12.07				
20	16QAM	50	24	12.12	12.07	12.05				
20	16QAM	50	50	12.08	12.16	12.13				
20	16QAM	100	0	12.12	12.12	12.05				
20	64QAM	1	0	12.12	12.11	12.06				
20	64QAM	1	49	12.08	12.10	12.11	13.3	0		
20	64QAM	1	99	12.12	12.14	12.10				
20	64QAM	50	0	12.05	12.16	12.08				
20	64QAM	50	24	12.12	12.11	12.08				
20	64QAM	50	50	12.12	12.13	12.13				
20	64QAM	100	0	12.12	12.11	12.18				
Channel				2025	2100	2175				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	11.88	12.07	12.01				
15	QPSK	1	37	12.09	12.09	12.08	13.3	0		
15	QPSK	1	74	11.95	12.02	11.99				
15	QPSK	36	0	11.86	12.06	12.04				
15	QPSK	36	20	11.97	12.03	12.02				
15	QPSK	36	39	11.98	11.97	11.97	13.3	0		
15	QPSK	75	0	12.06	12.08	11.96				
15	16QAM	1	0	11.98	12.06	11.98				
15	16QAM	1	37	12.06	12.01	12.01	13.3	0		
15	16QAM	1	74	12.00	12.08	11.98				
15	16QAM	36	0	12.08	12.02	12.02				
15	16QAM	36	20	11.97	11.96	11.94				
15	16QAM	36	39	11.97	12.08	12.02	13.3	0		
15	16QAM	75	0	12.05	12.07	11.97				
15	64QAM	1	0	11.97	12.00	11.91				
15	64QAM	1	37	12.01	11.95	11.97	13.3	0		
15	64QAM	1	74	12.06	12.07	11.95				
15	64QAM	36	0	11.90	12.01	12.01				
15	64QAM	36	20	12.00	11.97	11.95				
15	64QAM	36	39	12.03	12.05	12.04	13.3	0		
15	64QAM	75	0	12.11	12.03	12.10				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	11.97	12.00	11.96				
10	QPSK	1	25	12.06	12.14	12.10	13.3	0		
10	QPSK	1	49	12.03	11.95	12.00				
10	QPSK	25	0	11.96	11.97	12.03				
10	QPSK	25	12	11.97	12.09	11.96				
10	QPSK	25	25	11.92	11.99	12.00	13.3	0		
10	QPSK	50	0	12.09	12.02	11.92				
10	16QAM	1	0	11.95	12.03	11.97				
10	16QAM	1	25	12.02	12.05	11.98	13.3	0		
10	16QAM	1	49	11.90	12.08	11.94				
10	16QAM	25	0	12.05	12.01	11.97				
10	16QAM	25	12	11.97	12.01	11.90				
10	16QAM	25	25	11.93	12.01	12.01	13.3	0		
10	16QAM	50	0	11.99	11.99	12.00				
10	64QAM	1	0	11.97	11.97	11.96				
10	64QAM	1	25	11.97	11.96	12.02	13.3	0		
10	64QAM	1	49	12.01	12.04	12.05				
10	64QAM	25	0	12.00	12.05	11.99				
10	64QAM	25	12	12.07	11.97	11.93	13.3	0		
10	64QAM	25	25	12.06	12.06	12.06				
10	64QAM	50	0	12.12	12.09	12.18				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	11.88	12.06	11.98				
5	QPSK	1	12	12.10	12.09	12.10	13.3	0		
5	QPSK	1	24	11.99	12.02	11.97				
5	QPSK	12	0	11.88	11.99	12.03				
5	QPSK	12	7	12.03	12.09	12.01	13.3	0		
5	QPSK	12	13	11.96	11.98	11.99				
5	QPSK	25	0	12.09	12.05	11.98				
5	16QAM	1	0	11.99	12.06	11.99				
5	16QAM	1	12	12.03	12.04	12.00	13.3	0		
5	16QAM	1	24	11.90	12.01	11.99				
5	16QAM	12	0	12.00	11.99	11.97				
5	16QAM	12	7	11.98	11.95	11.90	13.3	0		
5	16QAM	12	13	11.96	12.11	12.07				
5	16QAM	25	0	12.00	11.99	11.95				
5	64QAM	1	0	12.00	11.98	11.91				
5	64QAM	1	12	11.96	12.00	12.02	13.3	0		
5	64QAM	1	24	12.04	12.03	11.95				
5	64QAM	12	0	11.96	12.03	11.93				
5	64QAM	12	7	12.01	11.97	11.93	13.3	0		
5	64QAM	12	13	11.99	12.04	12.07				
5	64QAM	25	0	12.08	12.00	12.18				

Band 7_Ant 0										
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	23.82	23.76	23.67				
20	QPSK	1	49	23.83	23.50	23.87	24.3	0		
20	QPSK	1	99	23.68	23.76	23.65				
20	QPSK	50	0	22.81	22.85	22.82				
20	QPSK	50	24	22.83	22.91	22.83				
20	QPSK	50	50	22.76	22.89	22.81	23.3	1		
20	QPSK	100	0	22.80	22.89	22.84				
20	16QAM	1	0	22.88	22.83	22.87				
20	16QAM	1	49	22.82	22.84	22.72	23.3	1		
20	16QAM	1	99	22.80	22.75	22.80				
20	16QAM	50	0	21.88	21.80	21.87				
20	16QAM	50	24	21.84	21.85	21.79				
20	16QAM	50	50	21.74	21.77	21.74	22.3	2		
20	16QAM	100	0	21.74	21.84	21.79				
20	64QAM	1	0	21.84	21.73	21.82				
20	64QAM	1	49	21.53	21.70	21.70	22.3	2		
20	64QAM	1	99	21.59	21.76	21.74				
20	64QAM	50	0	20.82	20.80	20.81				
20	64QAM	50	24	20.52	20.80	20.77				
20	64QAM	50	50	20.73	20.76	20.80	21.3	3		
20	64QAM	100	0	20.87	20.83	20.70				
Channel				20925	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.49	23.63	23.60				
15	QPSK	1	37	23.83	23.81	23.72	24.3	0		
15	QPSK	1	74	23.57	23.64	23.57				
15	QPSK	36	0	22.71	22.87	22.77				
15	QPSK	36	20	22.72	22.84	22.76				
15	QPSK	36	39	22.86	22.74	22.74	23.3	1		
15	QPSK	75	0	22.85	22.86	22.76				
15	16QAM	1	0	22.83	22.80	22.84				
15	16QAM	1	37	22.57	22.77	22.58	23.3	1		
15	16QAM	1	74	22.75	22.68	22.68				
15	16QAM	36	0	21.52	21.72	21.81				
15	16QAM	36	20	21.56	21.84	21.85				
15	16QAM	36	39	21.80	21.72	21.74	22.3	2		
15	16QAM	75	0	21.74	21.71	21.75				
15	64QAM	1	0	21.51	21.62	21.55				
15	64QAM	1	37	21.41	21.69	21.57	22.3			



Band 12_Ant 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										
Frequency (MHz)										
10	QPSK	1	0	19.68	19.74	19.87	20.2	0		
10	QPSK	1	25	19.75	19.81	19.77				
10	QPSK	1	49	19.82	19.78	19.84				
10	QPSK	25	0	19.70	19.75	19.85	20.2	0		
10	QPSK	25	12	19.77	19.79	19.88				
10	QPSK	25	25	19.61	19.74	19.83				
10	QPSK	50	0	19.63	19.69	19.82	20.2	0		
10	16QAM	1	0	19.60	19.75	19.72				
10	16QAM	1	25	19.65	19.73	19.71				
10	16QAM	1	49	19.61	19.74	19.70	20.2	0		
10	16QAM	25	0	19.68	19.89	19.82				
10	16QAM	25	12	19.66	19.73	19.84				
10	16QAM	25	25	19.60	19.72	19.69	20.2	0		
10	16QAM	50	0	19.70	19.66	19.69				
10	16QAM	1	0	19.62	19.70	19.69				
10	16QAM	1	25	19.70	19.71	19.69	20.2	0		
10	16QAM	1	49	19.69	19.73	19.68				
10	16QAM	25	0	19.63	19.68	19.67				
10	16QAM	25	12	19.68	19.69	19.72	20.2	0		
10	16QAM	25	25	19.65	19.67	19.72				
10	16QAM	50	0	19.65	19.68	19.75				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.80	19.87	19.80	20.2	0		
5	QPSK	1	12	19.61	19.74	19.69				
5	QPSK	1	24	19.48	19.58	19.54				
5	QPSK	12	0	19.63	19.62	19.55	20.2	0		
5	QPSK	12	7	19.66	19.64	19.61				
5	QPSK	12	13	19.48	19.64	19.54				
5	QPSK	25	0	19.55	19.61	19.54	20.2	0		
5	16QAM	1	0	19.46	19.67	19.62				
5	16QAM	1	12	19.56	19.64	19.62				
5	16QAM	1	24	19.47	19.68	19.56	20.2	0		
5	16QAM	12	0	19.62	19.57	19.48				
5	16QAM	12	7	19.55	19.64	19.56				
5	16QAM	12	13	19.49	19.62	19.55	20.2	0		
5	16QAM	25	0	19.64	19.55	19.54				
5	16QAM	1	0	19.52	19.58	19.59				
5	16QAM	1	12	19.53	19.59	19.53	20.2	0		
5	16QAM	1	24	19.60	19.64	19.59				
5	16QAM	12	0	19.53	19.60	19.56				
5	16QAM	12	7	19.60	19.62	19.65	20.2	0		
5	16QAM	12	13	19.50	19.57	19.58				
5	16QAM	25	0	19.64	19.58	19.73				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.54	19.60	19.52	20.2	0		
3	QPSK	1	8	19.61	19.76	19.65				
3	QPSK	1	14	19.49	19.58	19.52				
3	QPSK	3	0	19.61	19.69	19.59	20.2	0		
3	QPSK	3	4	19.68	19.73	19.65				
3	QPSK	3	7	19.48	19.67	19.48				
3	QPSK	15	0	19.58	19.56	19.51	20.2	0		
3	16QAM	1	0	19.45	19.68	19.63				
3	16QAM	1	8	19.58	19.59	19.65				
3	16QAM	1	14	19.51	19.67	19.61	20.2	0		
3	16QAM	8	0	19.53	19.57	19.55				
3	16QAM	8	4	19.61	19.59	19.55				
3	16QAM	8	7	19.47	19.65	19.63	20.2	0		
3	16QAM	15	0	19.60	19.58	19.58				
3	16QAM	1	0	19.51	19.59	19.61				
3	16QAM	1	8	19.64	19.59	19.52	20.2	0		
3	16QAM	1	14	19.54	19.60	19.59				
3	16QAM	8	0	19.57	19.62	19.54				
3	16QAM	8	4	19.63	19.63	19.64	20.2	0		
3	16QAM	8	7	19.56	19.62	19.64				
3	16QAM	15	0	19.58	19.68	19.71				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.61	19.60	19.60	20.2	0		
1.4	QPSK	1	3	19.65	19.69	19.62				
1.4	QPSK	1	5	19.47	19.56	19.52				
1.4	QPSK	3	0	19.55	19.70	19.50	20.2	0		
1.4	QPSK	3	1	19.68	19.69	19.67				
1.4	QPSK	3	3	19.53	19.59	19.49				
1.4	QPSK	6	0	19.52	19.62	19.53	20.2	0		
1.4	16QAM	1	0	19.49	19.60	19.64				
1.4	16QAM	1	3	19.50	19.58	19.64				
1.4	16QAM	1	5	19.49	19.68	19.57	20.2	0		
1.4	16QAM	3	0	19.57	19.61	19.50				
1.4	16QAM	3	1	19.60	19.66	19.62				
1.4	16QAM	3	3	19.45	19.65	19.60	20.2	0		
1.4	16QAM	6	0	19.58	19.59	19.56				
1.4	16QAM	1	0	19.48	19.61	19.63				
1.4	16QAM	1	3	19.64	19.65	19.54	20.2	0		
1.4	16QAM	1	5	19.55	19.67	19.56				
1.4	16QAM	3	0	19.53	19.61	19.65				
1.4	16QAM	3	1	19.63	19.62	19.65	20.2	0		
1.4	16QAM	3	3	19.50	19.58	19.57				
1.4	16QAM	6	0	19.62	19.56	19.74				

Band 12_Ant 0										
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										
Frequency (MHz)										
10	QPSK	1	0	23.26	23.13	23.15	24.7	0		
10	QPSK	1	25	23.38	23.42	23.27				
10	QPSK	1	49	23.23	23.15	23.24				
10	QPSK	25	0	22.21	22.20	22.15	23.7	1		
10	QPSK	25	12	22.24	22.28	22.27				
10	QPSK	25	25	22.18	22.22	22.24				
10	QPSK	50	0	22.21	22.28	22.24	23.7	1		
10	16QAM	1	0	22.09	22.18	22.04				
10	16QAM	1	25	22.09	22.22	22.25				
10	16QAM	1	49	22.04	22.09	22.11	22.7	2		
10	16QAM	25	0	21.23	21.24	21.28				
10	16QAM	25	12	21.35	21.23	21.15				
10	16QAM	25	25	21.12	21.32	21.32	22.7	2		
10	16QAM	50	0	21.20	21.18	21.25				
10	16QAM	1	0	21.10	21.23	21.21				
10	16QAM	1	25	21.33	21.13	21.11	22.7	2		
10	16QAM	1	49	21.08	21.28	21.18				
10	16QAM	25	0	20.18	20.27	20.25				
10	16QAM	25	12	20.21	20.27	20.15	21.7	3		
10	16QAM	25	25	20.13	20.25	20.35				
10	16QAM	50	0	20.18	20.25	20.23				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.22	23.07	23.02	24.7	0		
5	QPSK	1	12	23.18	23.28	23.13				
5	QPSK	1	24	23.08	23.09	23.19				
5	QPSK	12	0	22.14	22.17	22.14	23.7	1		
5	QPSK	12	7	22.10	22.14	22.18				
5	QPSK	12	13	22.08	22.15	22.23				
5	QPSK	25	0	22.21	22.24	22.17	23.7	1		
5	16QAM	1	0	21.98	21.11	21.00				
5	16QAM	1	12	21.98	22.15	22.14				
5	16QAM	1	24	21.97	22.09	21.98	22.7	2		
5	16QAM	12	0	21.19	21.11	21.19				
5	16QAM	12	7	21.31	21.23	21.04				
5	16QAM	12	13	20.88	21.23	21.28	22.7	2		
5	16QAM	25	0	21.07	21.17	21.16				
5	16QAM	1	0	21.06	21.08	21.10				
5	16QAM	1	12	21.18	21.11	21.00	22.7	2		
5	16QAM	1	24	21.01	21.28	21.04				
5	16QAM	12	0	20.09	20.16	20.23				
5	16QAM	12	7	20.15	20.17	20.04	21.7	3		
5	16QAM	12	13	19.89	20.24	20.31				
5	16QAM	25	0	20.09	20.18	20.22				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.25	23.05	23.09	24.7	0		
3	QPSK	1	8	23.27	23.24	23.12				
3	QPSK	1	14	23.16	23.10	23.18				
3	QPSK	3	0	22.30	22.07	22.01	23.7	1		
3	QPSK	3	4	22.14	22.27	22.22				
3	QPSK	3	7	22.12	22.14	22.18				
3	QPSK	15	0	22.07	22.21	22.19	23.7	1		
3	16QAM	1	0	21.						



Band 66_Ant 0										
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)				1725	1745	1770				
20	QPSK	1	0	23.09	23.18	23.04				
20	QPSK	1	49	23.14	23.25	23.19	24.3	0		
20	QPSK	1	99	22.88	23.02	23.02				
20	QPSK	50	0	22.27	22.28	22.28				
20	QPSK	50	24	22.28	22.23	22.25				
20	QPSK	50	50	22.20	22.24	22.15				
20	QPSK	100	0	22.21	22.25	22.21				
20	16QAM	1	0	22.28	22.22	22.25				
20	16QAM	1	49	22.15	22.24	22.28	23.3	1		
20	16QAM	1	99	22.07	22.23	22.12				
20	16QAM	50	0	20.97	21.27	21.27				
20	16QAM	50	24	20.98	21.23	21.30				
20	16QAM	50	50	21.06	21.10	21.15				
20	16QAM	100	0	21.03	21.20	21.14				
20	64QAM	1	0	21.16	21.22	21.25				
20	64QAM	1	49	21.11	21.22	21.25	22.3	2		
20	64QAM	1	99	21.07	21.11	20.86				
20	64QAM	50	0	20.00	20.24	20.22				
20	64QAM	50	24	19.93	20.20	20.18				
20	64QAM	50	50	20.36	20.16	20.07				
20	64QAM	100	0	20.01	20.22	20.17	21.3	3		
Channel				132047	132322	132597				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.99	23.16	23.00				
15	QPSK	1	37	23.08	23.23	23.16	24.3	0		
15	QPSK	1	74	22.74	22.92	22.92				
15	QPSK	36	0	22.20	22.16	22.14				
15	QPSK	36	20	22.14	22.21	22.24				
15	QPSK	36	39	22.18	22.18	22.09				
15	QPSK	75	0	22.10	22.21	22.16				
15	16QAM	1	0	22.16	22.10	21.24				
15	16QAM	1	37	22.13	22.14	22.21	23.3	1		
15	16QAM	1	74	22.02	22.21	22.09				
15	16QAM	36	0	20.97	21.13	21.20				
15	16QAM	36	20	20.88	21.08	21.26				
15	16QAM	36	39	21.01	21.01	21.01				
15	16QAM	75	0	20.98	21.15	21.10				
15	64QAM	1	0	21.07	21.14	21.14				
15	64QAM	1	37	21.06	21.10	21.24				
15	64QAM	1	74	20.99	20.96	20.75				
15	64QAM	36	0	19.88	20.14	20.15				
15	64QAM	36	20	19.80	20.14	20.16				
15	64QAM	36	39	19.92	20.14	20.02				
15	64QAM	75	0	19.91	20.15	20.06	21.3	3		
Channel				132022	132322	132622				
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	23.07	23.05	23.03				
10	QPSK	1	25	23.01	23.17	23.16	24.3	0		
10	QPSK	1	49	22.80	22.91	23.06				
10	QPSK	25	0	22.80	22.91	22.13				
10	QPSK	25	12	22.27	22.21	22.19				
10	QPSK	25	25	22.14	22.09	22.11				
10	QPSK	50	0	22.11	22.25	22.08				
10	16QAM	1	0	22.16	22.15	22.15				
10	16QAM	1	25	22.01	22.24	22.16				
10	16QAM	1	49	22.00	22.21	21.97				
10	16QAM	25	0	20.97	21.22	21.12				
10	16QAM	25	12	20.90	21.14	21.28				
10	16QAM	25	25	21.03	21.03	21.05				
10	16QAM	50	0	20.97	21.20	21.13				
10	64QAM	1	0	21.06	21.11	21.21				
10	64QAM	1	25	21.03	21.10	21.15				
10	64QAM	1	49	20.94	21.11	20.86				
10	64QAM	25	0	19.95	20.20	20.17				
10	64QAM	25	12	19.85	20.14	20.15				
10	64QAM	25	25	19.97	20.08	19.92				
10	64QAM	50	0	19.87	20.20	20.11	21.3	3		
Channel				131987	132322	132647				
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	22.97	23.12	23.03				
5	QPSK	1	12	23.12	23.27	23.05	24.3	0		
5	QPSK	1	24	22.85	22.98	22.93				
5	QPSK	12	0	22.16	22.20	22.22				
5	QPSK	12	7	22.22	22.23	22.17				
5	QPSK	12	13	22.07	22.12	22.02				
5	QPSK	25	0	22.18	22.12	22.08				
5	16QAM	1	0	22.16	22.08	22.16				
5	16QAM	1	12	22.03	22.12	22.13				
5	16QAM	1	24	21.95	22.20	21.98				
5	16QAM	12	0	20.83	21.15	21.17				
5	16QAM	12	7	20.85	21.22	21.21				
5	16QAM	12	13	21.02	21.06	21.08				
5	16QAM	25	0	21.00	21.19	21.01				
5	64QAM	1	0	21.08	21.18	21.17				
5	64QAM	1	12	21.05	21.08	21.19				
5	64QAM	1	24	20.99	20.97	20.82				
5	64QAM	12	0	19.89	20.23	20.09				
5	64QAM	12	7	19.89	20.10	20.18				
5	64QAM	12	13	20.05	20.16	19.98				
5	64QAM	25	0	19.98	20.09	20.12	21.3	3		
Channel				131967	132322	132657				
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	22.99	23.10	22.95				
3	QPSK	1	8	23.10	23.27	23.19	24.3	0		
3	QPSK	1	14	22.73	22.87	23.02				
3	QPSK	8	0	22.15	22.25	22.24				
3	QPSK	8	4	22.23	22.20	22.22				
3	QPSK	8	7	22.07	22.18	22.04				
3	QPSK	15	0	22.11	22.15	22.13				
3	16QAM	1	0	22.25	22.07	22.18				
3	16QAM	1	8	22.14	22.13	22.21				
3	16QAM	1	14	21.93	22.10	22.12				
3	16QAM	8	0	20.94	21.28	21.14				
3	16QAM	8	4	20.91	21.13	21.21				
3	16QAM	8	7	21.03	21.06	21.01				
3	16QAM	15	0	20.89	21.11	21.09				
3	64QAM	1	0	21.14	21.09	21.13				
3	64QAM	1	8	21.00	21.13	21.19				
3	64QAM	1	14	20.98	21.07	20.76				
3	64QAM	8	0	19.93	20.11	20.17				
3	64QAM	8	4	19.87	20.17	20.15				
3	64QAM	8	7	20.85	20.16	19.94				
3	64QAM	15	0	19.86	20.21	20.12	21.3	3		
Channel				131979	132322	132685				
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	23.00	23.17	22.91				
1.4	QPSK	1	3	23.00	23.23	23.05				
1.4	QPSK	1	5	22.84	23.01	22.87				
1.4	QPSK	3	0	22.90	23.06	22.81				
1.4	QPSK	3	1	22.94	23.10	22.96				
1.4	QPSK	3	3	22.79	22.91	22.86				
1.4	QPSK	6	0	22.08	22.14	22.12				
1.4	16QAM	1	0	22.14	22.08	22.20				
1.4	16QAM	1	3	22.13	22.22	22.11				
1.4	16QAM	1	5	22.04	22.14	21.97				
1.4	16QAM	3	0	22.10	22.05	22.18				
1.4	16QAM	3	1	22.10	22.11	22.06				
1.4	16QAM	3	3	21.98	21.98	21.93				
1.4	16QAM	6	0	20.91	21.15	21.01				
1.4	64QAM	1	0	21.15	21.12	21.12				
1.4	64QAM	1	3	21.09	21.15	21.19				
1.4	64QAM	1	5	20.94	21.05	20.79				
1.4	64QAM	3	0	21.08	21.10	21.04				
1.4	64QAM	3	1	21.03	21.01	21.15				
1.4	64QAM	3	3							



Full&Default Power for ENDC

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel				168300	167300	167900	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	23.22	23.21	23.25	
20	QPSK	1	53	23.35	23.41	23.39	24.7
20	QPSK	1	104	23.25	23.25	23.22	
20	QPSK	50	0	23.16	23.30	23.18	24.7
20	QPSK	50	28	23.25	23.38	23.35	24.7
20	QPSK	50	56	23.23	23.34	23.21	24.7
20	QPSK	100	0	23.16	23.31	23.28	24.7
20	HQAM	1	53	23.12	23.15	23.13	24.7
20	8QAM	1	53	21.53	21.56	21.53	23.2
20	25QAM	1	53	20.09	20.10	20.01	21.2
Channel				168300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	40	23.31	23.34	23.29	24.7
Channel				168300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	26	23.29	23.38	23.34	24.7
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	23	23.28	23.39	23.35	24.7

n5_Ant 0								
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				168300	167300	167900		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	23.10	23.15	23.12		
20	QPSK	1	53	23.19	23.31	23.19	24.7	0.0
20	QPSK	1	104	23.14	23.14	23.11		
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0
20	QPSK	50	28	23.14	23.29	23.17	24.7	0.0
20	QPSK	50	56	22.13	22.24	22.14		
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0
20	16QAM	1	53	22.11	22.10	22.12	23.7	1.0
20	8QAM	1	53	20.66	20.61	20.64	23.2	2.5
20	25QAM	1	53	19.10	19.18	19.18	20.2	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0

n7_Ant 3								
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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.27	22.42	22.31		
40	QPSK	1	108	22.93	22.95	22.88	23.7	0.0
40	QPSK	1	214	22.19	22.23	22.19		
40	QPSK	108	0	21.84	21.89	21.86	23.7	1.0
40	QPSK	108	54	22.94	22.91	22.93	23.7	0.0
40	QPSK	108	108	21.85	21.85	21.80		
40	QPSK	216	0	21.75	21.83	21.72	23.7	1.0
40	16QAM	1	108	21.69	21.76	21.65	22.7	1.0
40	8QAM	1	108	20.18	20.25	20.26	21.2	2.5
40	25QAM	1	108	18.78	18.81	18.72	19.2	4.5
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	22.91	22.86	22.80	23.7	0.0
Channel				502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	22.89	22.89	22.84	23.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	22.19	22.51	22.82	23.7	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.88	22.87	22.85	23.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.89	22.86	22.81	23.7	0.0
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	23	22.88	22.88	22.79	23.7	0.0



n7_Ant 0									
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				50000	50700	51000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.27	22.21	22.28			
40	QPSK	1	108	22.76	22.88	22.72	23.7	0.0	
40	QPSK	1	214	22.27	22.20	22.25			
40	QPSK	108	0	21.50	21.66	21.58	22.7	1.0	
40	QPSK	108	54	22.70	22.80	22.68	23.7	0.0	
40	QPSK	108	108	21.64	21.69	21.58			
40	QPSK	216	0	21.65	21.70	21.65	22.7	1.0	
40	HQAM	1	108	21.52	21.67	21.61	22.7	1.0	
40	SDQAM	1	108	18.96	20.10	19.95	21.2	2.5	
40	256QAM	1	108	18.99	18.74	18.62	19.2	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0	
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	22.74	22.81	22.80	23.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	22.74	22.72	22.65	23.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	22.74	22.70	22.80	23.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	22.69	22.71	22.75	23.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	22.72	22.74	22.75	23.7	0.0	

n7_Ant 4									
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				604000	607000	610000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.11	22.15	22.06			
40	QPSK	1	108	22.63	22.68	22.66	23.7	0.0	
40	QPSK	1	214	22.01	22.01	22.08			
40	QPSK	108	0	21.44	21.66	21.51	22.7	1.0	
40	QPSK	108	54	22.61	22.64	22.63	23.7	0.0	
40	QPSK	108	108	21.54	21.68	21.62			
40	QPSK	216	0	21.62	21.66	21.67	22.7	1.0	
40	ISQAM	1	108	21.26	21.41	21.38	22.7	1.0	
40	SDQAM	1	108	18.84	19.97	19.82	21.2	2.5	
40	256QAM	1	108	18.37	18.48	18.42	19.2	4.5	
Channel				603000	607000	611000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	22.64	22.64	22.59	23.7	0.0	
Channel				602000	607000	611000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	22.56	22.50	22.54	23.7	0.0	
Channel				602000	607000	612000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	22.50	22.64	22.50	23.7	0.0	
Channel				601500	607000	612500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	22.56	22.54	22.54	23.7	0.0	
Channel				601000	607000	613000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	22.53	22.62	22.47	23.7	0.0	
Channel				600500	607000	613500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	22.51	22.60	22.46	23.7	0.0	

n66_Ant 3									
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				340000	340000	340000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	21.90	22.06	22.04			
40	QPSK	1	108	22.33	22.35	22.32	23.7	0.0	
40	QPSK	1	214	22.18	22.20	22.22			
40	QPSK	108	0	22.19	22.26	22.21	23.7	0.0	
40	QPSK	108	54	22.26	22.34	22.28	23.7	0.0	
40	QPSK	108	108	22.20	22.31	22.24			
40	QPSK	216	0	22.17	22.23	22.22	23.7	0.0	
40	HQAM	1	108	22.06	22.08	21.98	23.7	0.0	
40	SDQAM	1	108	20.37	20.50	20.46	22.2	1.5	
40	256QAM	1	108	19.17	19.26	19.20	20.2	3.5	
Channel				340000	340000	340000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	22.16	22.32	22.27	0.0	0.0	
Channel				340000	340000	340000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	22.13	22.31	22.28	0.0	0.0	
Channel				343500	340000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.14	22.23	22.27	0.0	0.0	
Channel				343000	340000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	22.16	22.27	22.28	0.0	0.0	
Channel				342500	340000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	23	22.14	22.32	22.28	0.0	0.0	



n66_Ant 0									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.21	22.20	22.27			
40	QPSK	1	108	22.74	22.86	23.73	23.7		0.0
40	QPSK	1	214	22.24	22.24	22.24			
40	QPSK	108	0	21.63	21.69	21.89	23.7		1.0
40	QPSK	108	54	22.69	22.85	22.98	23.7		0.0
40	QPSK	108	108	21.78	21.87	21.76			1.0
40	QPSK	216	0	21.59	21.73	21.58	22.7		1.0
40	16QAM	1	108	21.46	21.54	21.45	22.7		1.0
40	64QAM	1	108	20.96	20.10	20.10	21.2		2.5
40	256QAM	1	108	18.75	18.83	18.80	19.2		4.5
Channel				345000	348000	351000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	22.72	22.84	22.75	0.0		0.0
Channel				341000	345000	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	22.63	22.69	22.87	0.0		0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.67	22.60	22.67	0.0		0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	22.58	22.77	22.83	0.0		0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1775.5			
5	QPSK	1	23	22.63	22.80	22.82	0.0		0.0

n66_Ant 4									
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				345000	348000	351000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.49	22.52	22.40			
40	QPSK	1	108	22.52	22.53	22.44	23.7		0.0
40	QPSK	1	214	22.39	22.49	22.38			
40	QPSK	108	0	22.15	22.21	22.10	23.7		1.0
40	QPSK	108	54	22.46	22.91	22.39	23.7		0.0
40	QPSK	108	108	22.26	22.41	22.29			1.0
40	QPSK	216	0	22.27	22.32	22.28	22.7		1.0
40	16QAM	1	108	22.00	22.10	21.98	22.7		1.0
40	64QAM	1	108	20.41	20.52	20.44	21.2		2.5
40	256QAM	1	108	19.00	19.12	18.99	19.2		4.5
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	22.35	22.52	22.39	0.0		0.0
Channel				341000	345000	346500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	22.32	22.49	22.25	0.0		0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.21	22.52	22.29	0.0		0.0
Channel				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	22.34	22.49	22.36	0.0		0.0
Channel				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	23	22.28	22.52	22.29	0.0		0.0



n38_Ant 3									
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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	22.93	23.03	23.91	25.2	0.0	
40	QPSK	1	53	23.61	23.62	23.61			
40	QPSK	1	104	23.04	23.98	23.96			
40	QPSK	50	0	22.32	22.41	22.34	24.2	1.0	
40	QPSK	50	28	23.54	23.56	23.54	25.2	0.0	
40	QPSK	50	56	22.45	22.45	22.31	24.2	1.0	
40	QPSK	100	0	22.36	22.42	22.41			
40	16QAM	1	53	22.29	22.35	22.34	24.2	1.0	
40	64QAM	1	53	20.80	20.86	20.86	22.7	2.5	
40	256QAM	1	53	19.39	19.51	19.37	20.7	4.5	
Channel									
Frequency (MHz)				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.55	23.59	23.57	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.83	23.89	23.89	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.56	23.83	23.84	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.55	23.83	23.85	25.2	0.0	

n38_Ant 0									
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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	23.22	23.32	23.30	25.2	0.0	
40	QPSK	1	53	23.59	23.62	23.61			
40	QPSK	1	104	23.55	23.57	23.50			
40	QPSK	50	0	22.59	22.70	22.59	24.7	0.5	
40	QPSK	50	28	23.41	23.51	23.41	25.2	0.0	
40	QPSK	50	56	22.63	22.73	22.66	24.7	0.5	
40	QPSK	100	0	22.90	22.97	22.96			
40	16QAM	1	53	22.62	22.67	22.59	24.7	0.5	
40	64QAM	1	53	21.18	21.20	21.18	23.2	2.5	
40	256QAM	1	53	19.69	19.75	19.70	21.2	4.0	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.51	23.54	23.55	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.43	23.42	23.41	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.51	23.84	23.80	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.44	23.41	23.46	25.2	0.0	

n38_Ant 4									
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									
Frequency (MHz)				518004	519000	519996			
40	QPSK	1	1	22.70	22.80	22.66	25.2	0.0	
40	QPSK	1	53	23.22	23.35	23.31			
40	QPSK	1	104	22.73	22.77	22.65			
40	QPSK	50	0	21.98	22.12	22.05			
40	QPSK	50	28	23.25	23.27	23.25	25.2	0.0	
40	QPSK	50	56	22.00	22.15	22.10			
40	QPSK	100	0	22.25	22.26	22.24	24.2	1.0	
40	16QAM	1	53	21.93	22.00	21.86	24.2	1.0	
40	64QAM	1	53	20.50	20.62	20.47	22.7	2.5	
40	256QAM	1	53	19.03	19.18	19.04	20.7	4.5	
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	23.32	23.31	23.31	25.2	0.0	
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	23.24	23.27	23.23	25.2	0.0	
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.28	23.29	23.27	25.2	0.0	
Channel									
Frequency (MHz)				5175.02	519000	520998	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	23.24	23.31	23.22	25.2	0.0	



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2546.03	2592.99	2640			
100	QPSK	1	1	21.88	21.94	21.89			
100	QPSK	1	137	21.90	21.95	21.91	23.2	0.0	
100	QPSK	1	271	21.81	21.86	21.83			
100	QPSK	135	0	21.81	21.86	21.89	23.2	0.0	
100	QPSK	135	69	21.86	21.91	21.90	23.2	0.0	
100	QPSK	135	138	21.84	21.83	21.84			
100	QPSK	270	0	21.80	21.86	21.85	23.2	0.0	
100	16QAM	1	137	21.86	21.85	21.85	23.2	0.0	
100	64QAM	1	137	21.83	21.86	21.81	23.2	0.0	
100	256QAM	1	137	20.82	20.86	20.85	21.7	1.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.83	21.84	21.89	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	21.82	21.85	21.87	23.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.86	21.82	21.87	23.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.82	21.82	21.86	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.02	2592.99	2664.99			
50	QPSK	1	67	21.87	21.84	21.83	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.87	21.85	21.84	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.84	21.89	21.86	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	21.82	21.86	21.84	23.2	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2546.03	2592.99	2640			
100	QPSK	1	1	23.80	23.82	23.68			
100	QPSK	1	137	24.80	24.91	24.68	26.2	0.0	
100	QPSK	1	271	23.74	23.78	23.68			
100	QPSK	135	0	23.91	23.91	23.91	26.2	1.0	
100	QPSK	135	69	24.76	24.86	24.76	26.2	0.0	
100	QPSK	135	138	23.78	23.89	23.85			
100	QPSK	270	0	23.82	23.87	23.86	26.2	1.0	
100	16QAM	1	137	23.73	23.85	23.70	26.2	1.0	
100	64QAM	1	137	22.36	22.38	22.24	23.7	2.5	
100	256QAM	1	137	20.86	20.71	20.70	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.80	24.88	24.84	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	24.88	24.84	24.87	26.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.87	24.88	24.81	26.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.80	24.85	24.87	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.02	2592.99	2664.99			
50	QPSK	1	67	24.87	24.93	24.83	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.84	24.83	24.82	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.86	24.87	24.83	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.84	24.86	24.85	26.2	0.0	

n41_Ant 0									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	21.39	21.47	21.27			
100	QPSK	1	137	21.41	21.52	21.35	23.2	0.0	
100	QPSK	1	271	21.33	21.49	21.30			
100	QPSK	135	0	21.34	21.49	21.18	23.2	0.0	
100	QPSK	135	69	21.40	21.48	21.36	23.2	0.0	
100	QPSK	135	138	21.37	21.43	21.24			
100	QPSK	270	0	21.32	21.39	21.17	23.2	0.0	
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0	
100	64QAM	1	137	21.31	21.42	21.19	23.2	0.0	
100	256QAM	1	137	20.21	20.23	20.19	21.7	1.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	21.35	21.43	21.17	23.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.31	21.41	21.24	23.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.02	2592.99	2664.99			
50	QPSK	1	67	21.33	21.44	21.20	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	21.39	21.42	21.20	23.2	0.0	



n41_Ant_0_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.19	23.25	23.11	26.2	0.0	
100	QPSK	1	137	24.36	24.45	24.41			
100	QPSK	1	271	23.11	23.17	23.10			
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0	
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0	
100	QPSK	135	138	23.32	23.33	23.25			
100	QPSK	270	0	23.10	23.13	23.01	25.2	1.0	
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0	
100	64QAM	1	137	21.63	21.70	21.36	23.7	2.5	
100	256QAM	1	137	20.25	20.29	20.20	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.28	24.41	23.82	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.15	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.19	24.38	23.78	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	25	24.22	24.27	23.78	26.2	0.0	

n41_Ant_4									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	21.55	21.59	21.60	23.2	0.0	
100	QPSK	1	137	21.63	21.65	21.61			
100	QPSK	1	271	21.57	21.56	21.54			
100	QPSK	135	0	21.49	21.54	21.47	23.2	0.0	
100	QPSK	135	69	21.36	21.36	21.36	23.2	0.0	
100	QPSK	135	138	21.46	21.48	21.50			
100	QPSK	270	0	21.51	21.55	21.46	23.2	0.0	
100	16QAM	1	137	21.52	21.53	21.52	23.2	0.0	
100	64QAM	1	137	21.46	21.47	21.51	23.2	0.0	
100	256QAM	1	137	20.11	20.15	20.06	21.2	2.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.54	21.53	21.54	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	21.50	21.47	21.49	23.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.54	21.50	21.48	23.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.53	21.53	21.51	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.47	21.49	21.50	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.50	21.49	21.54	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.46	21.47	21.47	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	25	21.52	21.52	21.50	23.2	0.0	

n41_Ant_4_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.65	23.60	23.65	26.2	0.0	
100	QPSK	1	137	24.37	24.39	24.36			
100	QPSK	1	271	23.64	23.67	23.60			
100	QPSK	135	0	23.61	23.61	22.98	25.2	1.0	
100	QPSK	135	69	24.25	24.37	24.26	26.2	0.0	
100	QPSK	135	138	23.68	23.20	23.13			
100	QPSK	270	0	23.03	23.27	23.01	25.2	1.0	
100	16QAM	1	137	23.20	23.22	23.21	25.2	1.0	
100	64QAM	1	137	21.63	21.73	21.71	23.7	2.5	
100	256QAM	1	137	20.27	20.37	20.30	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.30	24.31	24.32	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	24.25	24.21	24.20	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.26	24.29	24.32	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.30	24.23	24.32	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.25	24.27	24.26	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.29	24.26	24.28	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.24	24.26	24.28	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	25	24.27	24.27	24.31	26.2	0.0	



Reduced Power for DSI 1 ENDC

n5_Ant 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				834	836.5	839			
Frequency (MHz)				18.27	18.34	18.22			
20	QPSK	1	1	18.30	18.42	18.35	19.7	0.0	
20	QPSK	1	104	18.24	18.31	18.21			
20	QPSK	50	0	18.25	18.36	18.23	19.7	0.0	
20	QPSK	50	28	18.28	18.37	18.28	19.7	0.0	
20	QPSK	50	56	18.28	18.34	18.28	19.7	0.0	
20	QPSK	100	0	18.29	18.30	18.20	19.7	0.0	
20	16QAM	1	53	18.31	18.27	18.24	19.7	0.0	
20	16QAM	1	53	18.26	18.37	18.21	19.7	0.0	
20	256QAM	1	53	18.34	18.27	18.27	19.7	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	19.7	0.0	
15	QPSK	1	40	18.33	18.31	18.22	19.7	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844	19.7	0.0	
10	QPSK	1	26	18.32	18.35	18.29	19.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				201.5	201.5	201.5	19.7	0.0	
5	QPSK	1	23	18.32	18.27	18.24	19.7	0.0	

n5_Ant 0									
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				834	836.5	839			
Frequency (MHz)				20.70	20.62	20.84			
20	QPSK	1	1	20.72	20.77	20.80	22.2	0.0	
20	QPSK	1	104	20.64	20.72	20.51			
20	QPSK	50	0	20.60	20.72	20.53	22.2	0.0	
20	QPSK	50	28	20.62	20.75	20.64	22.2	0.0	
20	QPSK	50	56	20.57	20.72	20.55	22.2	0.0	
20	QPSK	100	0	20.60	20.64	20.51	22.2	0.0	
20	16QAM	1	53	20.65	20.66	20.48	22.2	0.0	
20	16QAM	1	53	20.65	20.66	20.55	22.2	0.0	
20	256QAM	1	53	18.92	19.05	18.90	20.2	2.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	20.2	2.0	
15	QPSK	1	40	20.67	20.72	20.54	22.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844	22.2	0.0	
10	QPSK	1	26	20.62	20.62	20.57	22.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				201.5	201.5	201.5	22.2	0.0	
5	QPSK	1	23	20.64	20.68	20.54	22.2	0.0	

n7_Ant 3									
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				2520	2535	2550			
Frequency (MHz)				14.24	14.14	14.14			
40	QPSK	1	1	14.28	14.29	14.20	15.2	0.0	
40	QPSK	1	108	14.28	14.29	14.20			
40	QPSK	1	214	14.14	14.20	14.19	15.2	0.0	
40	QPSK	108	0	14.22	14.21	14.17	15.2	0.0	
40	QPSK	108	54	14.25	14.25	14.24	15.2	0.0	
40	QPSK	108	108	14.16	14.24	14.22	15.2	0.0	
40	QPSK	216	0	14.23	14.24	14.23	15.2	0.0	
40	16QAM	1	108	14.16	14.20	14.23	15.2	0.0	
40	16QAM	1	108	14.19	14.18	14.15	15.2	0.0	
40	256QAM	1	108	14.24	14.15	14.16	15.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	15.2	0.0	
30	QPSK	1	80	14.20	14.18	14.15	15.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	15.2	0.0	
25	QPSK	1	65	14.17	14.15	14.16	15.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	15.2	0.0	
20	QPSK	1	53	14.17	14.21	14.17	15.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	15.2	0.0	
15	QPSK	1	40	14.21	14.23	14.14	15.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	15.2	0.0	
10	QPSK	1	26	14.16	14.16	14.15	15.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	15.2	0.0	
5	QPSK	1	23	14.17	14.24	14.16	15.2	0.0	



n7_Ant 0									
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				2920	2935	2950			
Frequency (MHz)									
40	QPSK	1	1	16.32	16.40	16.36			
40	QPSK	1	108	16.42	16.45	16.43	17.2	0.0	
40	QPSK	1	214	16.34	16.36	16.33			
40	QPSK	108	0	16.30	16.40	16.35	17.2	0.0	
40	QPSK	108	54	16.36	16.42	16.40			
40	QPSK	108	108	16.35	16.30	16.37	17.2	0.0	
40	QPSK	216	0	16.37	16.39	16.34			
40	16QAM	1	108	16.34	16.40	16.36	17.2	0.0	
40	16QAM	1	108	16.33	16.40	16.34	17.2	0.0	
40	256QAM	1	108	16.36	16.35	16.33	17.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	80	16.33	16.37	16.30	17.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	65	16.27	16.36	16.35	17.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	53	16.35	16.30	16.28	17.2	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	40	16.29	16.30	16.35	17.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	26	16.33	16.38	16.37	17.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	Qpsk	1	20	16.34	16.30	16.29	17.2	0.0	

n7_Ant 4									
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				504000	507000	510000			
Frequency (MHz)									
40	QPSK	1	1	15.45	15.45	15.40			
40	QPSK	1	108	15.51	15.54	15.50	16.7	0.0	
40	QPSK	1	214	15.44	15.46	15.46			
40	QPSK	108	0	15.41	15.49	15.44	16.7	0.0	
40	QPSK	108	54	15.40	15.52	15.50			
40	QPSK	108	108	15.43	15.47	15.49	16.7	0.0	
40	QPSK	216	0	15.40	15.50	15.45			
40	16QAM	1	108	15.39	15.42	15.39	16.7	0.0	
40	16QAM	1	108	15.45	15.47	15.43	16.7	0.0	
40	256QAM	1	108	15.45	15.40	15.48	16.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	80	15.46	15.49	15.49	16.7	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	65	15.43	15.48	15.44	16.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	53	15.49	15.41	15.42	16.7	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	40	15.44	15.45	15.43	16.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	26	15.47	15.48	15.42	16.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	Qpsk	1	20	15.42	15.41	15.49	16.7	0.0	

n66_Ant 3									
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				345000	349000	353000			
Frequency (MHz)									
40	QPSK	1	1	18.67	18.69	18.57			
40	QPSK	1	108	18.74	18.75	18.71	20.2	0.0	
40	QPSK	1	214	18.65	18.61	18.61			
40	QPSK	108	0	18.60	18.63	18.56	20.2	0.0	
40	QPSK	108	54	18.65	18.67	18.62			
40	QPSK	108	108	18.62	18.61	18.61	20.2	0.0	
40	QPSK	216	0	18.64	18.64	18.61			
40	16QAM	1	108	18.65	18.67	18.62	20.2	0.0	
40	16QAM	1	108	18.63	18.65	18.61	20.2	0.0	
40	256QAM	1	108	18.66	18.67	18.63	20.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	80	18.59	18.58	18.57	0.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	53	18.63	18.69	18.62	0.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	40	18.59	18.61	18.64	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	26	18.69	18.68	18.59	0.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	20	18.67	18.68	18.62	0.0	0.0	



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.43	17.47	17.43			
40	QPSK	1	108	17.02	17.04	17.01	18.7	0.0	
40	QPSK	1	214	17.41	17.46	17.46			
40	QPSK	108	0	17.40	17.42	17.38	18.7	0.0	
40	QPSK	108	54	17.42	17.43	17.42	18.7	0.0	
40	QPSK	108	108	17.41	17.39	17.41	18.7	0.0	
40	QPSK	216	0	17.41	17.42	17.39	18.7	0.0	
40	16QAM	1	108	17.44	17.43	17.46	18.7	0.0	
40	64QAM	1	108	17.43	17.46	17.41	18.7	0.0	
40	256QAM	1	108	17.43	17.44	17.36	18.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	17.42	17.42	17.44	0.0	0.0	
Channel				341000	345000	345000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1729	1745	1770			
20	QPSK	1	53	17.45	17.48	17.39	0.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	40	17.37	17.47	17.41	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.45	17.42	17.46	0.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	23	17.45	17.39	17.42	0.0	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.83	17.85	17.80			
40	QPSK	1	108	17.89	17.90	17.85	19.2	0.0	
40	QPSK	1	214	17.77	17.83	17.83			
40	QPSK	108	0	17.76	17.79	17.80	19.2	0.0	
40	QPSK	108	54	17.82	17.85	17.81	19.2	0.0	
40	QPSK	108	108	17.80	17.82	17.76	19.2	0.0	
40	QPSK	216	0	17.82	17.84	17.83	19.2	0.0	
40	16QAM	1	108	17.84	17.84	17.84	19.2	0.0	
40	64QAM	1	108	17.75	17.78	17.85	19.2	0.0	
40	256QAM	1	108	17.77	17.84	17.83	19.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	17.77	17.79	17.78	0.0	0.0	
Channel				346000	349000	351000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	17.83	17.84	17.74	0.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
15	QPSK	1	40	17.76	17.84	17.70	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.80	17.85	17.75	0.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	23	17.78	17.81	17.70	0.0	0.0	



n38_Ant 3									
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				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	14.59	14.61	14.63			
40	QPSK	1	53	14.69	14.74	14.72	16.2	0.0	
40	QPSK	1	104	14.64	14.69	14.65			
40	QPSK	50	0	14.55	14.63	14.59	16.2	0.0	
40	QPSK	50	26	14.56	14.54	14.56	16.2	0.0	
40	QPSK	50	56	14.57	14.59	14.59			
40	QPSK	100	0	14.60	14.69	14.63	16.2	0.0	
40	16QAM	1	53	14.61	14.68	14.63	16.2	0.0	
40	64QAM	1	53	14.63	14.66	14.63	16.2	0.0	
40	256QAM	1	53	14.61	14.67	14.61	16.2	0.0	
Channel				517002	518000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	14.55	14.59	14.57	16.2	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	14.96	14.88	14.82	16.2	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	14.63	14.63	14.67	16.2	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	14.61	14.64	14.61	16.2	0.0	

n38_Ant 0									
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				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	16.97	17.05	16.96			
40	QPSK	1	53	17.09	17.11	17.02	18.7	0.0	
40	QPSK	1	104	16.97	17.05	16.95			
40	QPSK	50	0	17.01	16.98	16.97	18.7	0.0	
40	QPSK	50	26	17.05	17.05	17.05	18.7	0.0	
40	QPSK	50	56	16.95	16.99	16.91			
40	QPSK	100	0	17.00	17.04	16.91	18.7	0.0	
40	16QAM	1	53	16.95	17.03	16.97	18.7	0.0	
40	64QAM	1	53	17.00	16.98	16.96	18.7	0.0	
40	256QAM	1	53	16.95	16.96	16.93	18.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	16.96	17.05	16.95	18.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	17.01	16.96	16.90	18.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	16.99	17.04	16.96	18.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	17.00	17.01	16.96	18.7	0.0	

n38_Ant 4									
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				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	14.89	14.91	14.83			
40	QPSK	1	53	14.95	15.00	14.95	16.7	0.0	
40	QPSK	1	104	14.85	14.86	14.88			
40	QPSK	50	0	14.87	14.90	14.88			
40	QPSK	50	26	14.91	14.94	14.95	16.7	0.0	
40	QPSK	50	56	14.90	14.87	14.83			
40	QPSK	100	0	14.87	14.92	14.83	16.7	0.0	
40	16QAM	1	53	14.85	14.87	14.90	16.7	0.0	
40	64QAM	1	53	14.85	14.86	14.88	16.7	0.0	
40	256QAM	1	53	14.91	14.94	14.81	16.7	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	14.89	14.87	14.85	16.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	14.89	14.85	14.89	16.7	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	14.94	14.87	14.83	16.7	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	14.92	14.85	14.80	16.7	0.0	



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	12.03	12.06	12.05			
100	QPSK	1	137	12.12	12.17	12.15	13.7	0.0	
100	QPSK	1	271	11.99	12.02	12.03			
100	QPSK	135	0	12.06	12.10	12.06	13.7	0.0	
100	QPSK	135	89	12.06	12.12	12.07	13.7	0.0	
100	QPSK	135	138	12.05	12.11	12.00			
100	QPSK	270	0	12.06	12.11	12.06	13.7	0.0	
100	16QAM	1	137	12.07	12.12	12.05	13.7	0.0	
100	64QAM	1	137	12.02	12.07	12.04	13.7	0.0	
100	256QAM	1	137	11.97	12.03	12.03	13.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	12.00	12.09	12.06	13.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	12.01	12.08	12.05	13.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	12.07	12.06	12.06	13.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	12.07	12.07	12.07	13.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	11.99	12.11	12.02	13.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	12.06	12.04	12.02	13.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	12.01	12.08	12.05	13.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	12.02	12.06	12.01	13.7	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	15.15	15.18	15.12			
100	QPSK	1	137	15.27	15.28	15.26	16.7	0.0	
100	QPSK	1	271	15.13	15.16	15.15			
100	QPSK	135	0	15.12	15.18	15.20	16.7	0.0	
100	QPSK	135	89	15.16	15.26	15.21	16.7	0.0	
100	QPSK	135	138	15.10	15.23	15.14			
100	QPSK	270	0	15.21	15.25	15.21	16.7	0.0	
100	16QAM	1	137	15.21	15.26	15.11	16.7	0.0	
100	64QAM	1	137	15.10	15.17	15.16	16.7	0.0	
100	256QAM	1	137	15.06	15.13	15.06	16.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	15.21	15.11	15.20	16.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.12	15.15	15.12	16.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	15.13	15.10	15.12	16.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.13	15.13	15.17	16.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	15.22	15.16	15.20	16.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.22	15.17	15.14	16.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.19	15.15	15.21	16.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.17	15.19	15.16	16.7	0.0	

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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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	15.87	15.84	15.84			
100	QPSK	1	137	15.96	15.97	15.92	17.7	0.0	
100	QPSK	1	271	15.81	15.86	15.84			
100	QPSK	135	0	15.83	15.91	15.87	17.7	0.0	
100	QPSK	135	89	15.87	15.92	15.86	17.7	0.0	
100	QPSK	135	138	15.85	15.90	15.77			
100	QPSK	270	0	15.83	15.85	15.85	17.7	0.0	
100	16QAM	1	137	15.87	15.91	15.78	17.7	0.0	
100	64QAM	1	137	15.81	15.85	15.83	17.7	0.0	
100	256QAM	1	137	15.85	15.89	15.81	17.7	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	15.91	15.92	15.84	17.7	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.84	15.90	15.79	17.7	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	15.84	15.85	15.80	17.7	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.84	15.92	15.85	17.7	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	15.85	15.12	15.13	17.7	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.90	15.89	15.85	17.7	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.91	15.92	15.83	17.7	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	15.85	15.91	15.79	17.7	0.0	



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	18.82	18.74	18.73		
100	QPSK	1	137	18.91	18.92	18.81	20.7	0.0
100	QPSK	1	271	18.66	18.79	18.71		
100	QPSK	135	0	18.74	18.78	18.78	20.7	0.0
100	QPSK	135	69	18.81	18.84	18.83	20.7	0.0
100	QPSK	135	138	18.78	18.83	18.84		
100	QPSK	270	0	18.75	18.81	18.78	20.7	0.0
100	16QAM	1	137	18.77	18.86	18.89	20.7	0.0
100	64QAM	1	137	18.73	18.72	18.77	20.7	0.0
100	256QAM	1	137	18.72	18.77	18.66	20.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	18.77	18.77	18.72	20.7	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	18.71	18.83	18.73	20.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	18.74	18.84	18.67	20.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.73	18.77	18.74	20.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	18.77	18.76	18.67	20.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	18.75	18.76	18.75	20.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.72	18.84	18.74	20.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.73	18.74	18.76	20.7	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	12.83	12.84	12.87		
100	QPSK	1	137	12.93	12.95	12.92	14.7	0.0
100	QPSK	1	271	12.78	12.87	12.90		
100	QPSK	135	0	12.81	12.91	12.90	14.7	0.0
100	QPSK	135	69	12.86	12.94	12.95	14.7	0.0
100	QPSK	135	138	12.80	12.92	12.80		
100	QPSK	270	0	12.83	12.91	12.90	14.7	0.0
100	16QAM	1	137	12.79	12.82	12.90	14.7	0.0
100	64QAM	1	137	12.82	12.92	12.89	14.7	0.0
100	256QAM	1	137	12.86	12.91	12.81	14.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	12.83	12.86	12.86	14.7	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	12.79	12.87	12.86	14.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	12.79	12.81	12.85	14.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	12.88	12.84	12.83	14.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	12.85	12.85	12.87	14.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	12.84	12.85	12.80	14.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	12.78	12.83	12.77	14.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	12.82	12.90	12.84	14.7	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.03	2592.99	2640		
100	QPSK	1	1	15.74	15.73	15.73		
100	QPSK	1	137	15.76	15.87	15.86	17.7	0.0
100	QPSK	1	271	15.72	15.79	15.85		
100	QPSK	135	0	15.66	15.82	15.77	17.7	0.0
100	QPSK	135	69	15.79	15.85	15.84	17.7	0.0
100	QPSK	135	138	15.74	15.79	15.87		
100	QPSK	270	0	15.74	15.85	15.83	17.7	0.0
100	16QAM	1	137	15.69	15.73	15.80	17.7	0.0
100	64QAM	1	137	15.78	15.79	15.75	17.7	0.0
100	256QAM	1	137	15.76	15.76	15.73	17.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	15.70	15.84	15.73	17.7	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	15.76	15.76	15.75	17.7	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	15.80	15.84	15.75	17.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	15.79	15.78	15.69	17.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	15.73	15.74	15.67	17.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	15.73	15.84	15.69	17.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	15.71	15.86	15.71	17.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	15.70	15.77	15.66	17.7	0.0



Reduced Power for DSI 2 ENDC

n5_Ant 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				165000	167000	167000			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	16.71	16.79	16.70			
20	QPSK	1	53	16.92	16.85	16.91	18.2	0.0	
20	QPSK	1	104	16.74	16.76	16.76			
20	QPSK	50	0	16.70	16.77	16.74	18.2	0.0	
20	QPSK	50	26	16.73	16.79	16.76			
20	QPSK	50	56	16.68	16.76	16.75	18.2	0.0	
20	QPSK	100	0	16.68	16.72	16.67			
20	16QAM	1	53	16.74	16.73	16.70	18.2	0.0	
20	16QAM	1	53	16.77	16.78	16.72	18.2	0.0	
20	256QAM	1	53	16.67	16.76	16.70	18.2	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	16.69	16.80	16.67	18.2	0.0	
Channel				165000	167000	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	16.75	16.71	16.70	18.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	23	16.74	16.80	16.73	18.2	0.0	

n5_Ant 0									
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				166000	167000	167000			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.10	23.15	23.12			
20	QPSK	1	53	23.19	23.31	23.19	24.7	0.0	
20	QPSK	1	104	23.14	23.14	23.11			
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0	
20	QPSK	50	26	23.14	23.29	23.17			
20	QPSK	50	56	22.13	22.24	22.14	23.7	0.0	
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0	
20	16QAM	1	53	22.11	22.10	22.12	23.7	1.0	
20	16QAM	1	53	20.66	20.61	20.64	22.2	2.5	
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0	

n7_Ant 3									
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				50500	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	12.67	12.71	12.69			
40	QPSK	1	108	12.74	12.79	12.72	13.7	0.0	
40	QPSK	1	214	12.91	12.74	12.70			
40	QPSK	108	0	12.64	12.70	12.65	13.7	0.0	
40	QPSK	108	54	12.74	12.75	12.71			
40	QPSK	108	108	12.71	12.72	12.70	13.7	0.0	
40	QPSK	216	0	12.66	12.74	12.69			
40	16QAM	1	108	12.70	12.65	12.68	13.7	0.0	
40	16QAM	1	108	12.68	12.72	12.70	13.7	0.0	
40	256QAM	1	108	12.70	12.68	12.70	13.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	12.65	12.69	12.74	13.7	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	12.73	12.72	12.74	13.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	12.66	12.69	12.72	13.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	12.71	12.67	12.66	13.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	12.73	12.71	12.69	13.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	12.74	12.66	12.69	13.7	0.0	



n7_Ant 0

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				2920	2935	2950		
Frequency (MHz)				22.27	22.21	22.28		
40	QPSK	1	1	22.70	22.86	22.72	23.7	0.0
40	QPSK	1	108	22.27	22.26	22.26		
40	QPSK	108	0	21.59	21.86	21.59	22.7	1.0
40	QPSK	108	54	22.70	22.80	22.68		
40	QPSK	108	108	21.84	21.89	21.88		
40	QPSK	216	0	21.85	21.70	21.85	22.7	1.0
40	16QAM	1	108	21.52	21.57	21.51	22.7	1.0
40	16QAM	1	108	19.95	20.10	19.95	21.2	2.5
40	256QAM	1	108	18.59	18.74	18.62	19.2	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.15	22.35	22.55		
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	22.74	22.81	22.80	23.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	22.74	22.72	22.85	23.7	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.74	22.70	22.80	23.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.69	22.71	22.75	23.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	20	22.72	22.74	22.76	23.7	0.0

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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				2920	2935	2950		
Frequency (MHz)				15.91	15.95	15.79		
40	QPSK	1	1	15.99	16.00	15.92	17.2	0.0
40	QPSK	1	108	15.92	15.85	15.78		
40	QPSK	108	0	15.91	15.94	15.78	17.2	0.0
40	QPSK	108	54	15.93	15.95	15.85		
40	QPSK	108	108	15.85	15.93	15.84		
40	QPSK	216	0	15.84	15.85	15.82	17.2	0.0
40	16QAM	1	108	15.93	15.90	15.84	17.2	0.0
40	16QAM	1	108	15.89	15.89	15.79	17.2	0.0
40	256QAM	1	108	15.90	15.93	15.79	17.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				22.15	22.35	22.55		
30	QPSK	1	80	15.91	15.88	15.87	17.2	0.0
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	65	15.87	15.88	15.83	17.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	53	15.91	15.95	15.81	17.2	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	15.89	15.89	15.80	17.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	15.84	15.90	15.78	17.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	20	15.94	15.96	15.84	17.2	0.0

n66_Ant 3

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				1730	1745	1760		
Frequency (MHz)				14.58	14.57	14.52		
40	QPSK	1	1	14.64	14.69	14.59	16.2	0.0
40	QPSK	1	108	14.59	14.63	14.53		
40	QPSK	108	0	14.53	14.56	14.55	16.2	0.0
40	QPSK	108	54	14.60	14.61	14.60		
40	QPSK	108	108	14.59	14.59	14.59		
40	QPSK	216	0	14.58	14.60	14.58	16.2	0.0
40	16QAM	1	108	14.59	14.61	14.61	16.2	0.0
40	16QAM	1	108	14.55	14.60	14.56	16.2	0.0
40	256QAM	1	108	14.49	14.61	14.51	16.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.25	17.45	17.65		
30	QPSK	1	80	14.55	14.63	14.51	0.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.20	17.45	17.70		
20	QPSK	1	53	14.55	14.61	14.61	0.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.17.5	17.45	17.72.5		
15	QPSK	1	40	14.54	14.57	14.58	0.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.15	17.45	17.75		
10	QPSK	1	26	14.58	14.64	14.51	0.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.12.5	17.45	17.77.5		
5	QPSK	1	20	14.55	14.63	14.60	0.0	0.0



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.21	22.20	22.27			
40	QPSK	1	108	22.14	22.86	22.75	23.7	0.0	
40	QPSK	1	214	22.24	22.24	22.24			
40	QPSK	108	0	21.83	21.89	21.59	22.7	1.0	
40	QPSK	108	54	22.65	22.85	22.65	23.7	0.0	
40	QPSK	108	108	21.78	21.87	21.76			
40	QPSK	216	0	21.59	21.73	21.58	22.7	1.0	
40	16QAM	1	108	21.46	21.54	21.45	22.7	1.0	
40	64QAM	1	108	20.96	20.10	20.10	21.2	2.5	
40	256QAM	1	108	18.75	18.83	18.80	19.2	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	22.72	22.84	22.85	0.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	22.63	22.69	22.67	0.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.67	22.69	22.67	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	22.58	22.77	22.63	0.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	23	22.63	22.80	22.62	0.0	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	12.73	12.76	12.72			
40	QPSK	1	108	12.81	12.85	12.84	14.2	0.0	
40	QPSK	1	214	12.76	12.76	12.76			
40	QPSK	108	0	12.79	12.70	12.79	14.2	0.0	
40	QPSK	108	54	12.80	12.81	12.80	14.2	0.0	
40	QPSK	108	108	12.74	12.74	12.74			
40	QPSK	216	0	12.72	12.78	12.75	14.2	0.0	
40	16QAM	1	108	12.72	12.74	12.75	14.2	0.0	
40	64QAM	1	108	12.70	12.70	12.74	14.2	0.0	
40	256QAM	1	108	12.73	12.72	12.72	14.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	12.77	12.74	12.80	0.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	12.78	12.71	12.72	0.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	12.78	12.78	12.79	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	12.72	12.75	12.76	0.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	23	12.72	12.77	12.70	0.0	0.0	



n38_Ant 3									
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				518004	518000	518996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	12.01	12.09	12.02	13.7	0.0	
40	QPSK	1	53	12.16	12.19	12.15			
40	QPSK	1	104	12.04	12.10	12.08			
40	QPSK	50	0	12.04	12.06	12.09	13.7	0.0	
40	QPSK	50	26	12.06	12.14	12.10	13.7	0.0	
40	QPSK	50	56	12.01	12.04	12.01			
40	QPSK	100	0	12.06	12.08	12.02	13.7	0.0	
40	16QAM	1	53	12.09	12.11	12.00	13.7	0.0	
40	64QAM	1	53	12.01	12.14	12.09	13.7	0.0	
40	256QAM	1	53	12.09	12.04	12.02	13.7	0.0	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	12.06	12.12	12.10	13.7	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	12.01	12.07	12.04	13.7	0.0	
Channel				516502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	12.01	12.11	12.07	13.7	0.0	
Channel				515004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	12.09	12.09	12.05	13.7	0.0	

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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				518004	518000	518996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.22	23.32	23.30	25.2	0.0	
40	QPSK	1	53	23.30	23.62	23.53			
40	QPSK	1	104	23.55	23.57	23.50			
40	QPSK	50	0	22.99	22.70	22.59	24.7	0.5	
40	QPSK	50	26	23.41	23.51	23.41	25.2	0.0	
40	QPSK	50	56	22.63	22.73	22.66			
40	QPSK	100	0	22.90	22.97	22.96	24.7	0.5	
40	16QAM	1	53	22.62	22.67	22.59	24.7	0.5	
40	64QAM	1	53	21.18	21.20	21.18	23.2	2.0	
40	256QAM	1	53	19.69	19.76	19.70	21.2	4.0	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	23.51	23.54	23.55	25.2	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	23.43	23.42	23.41	25.2	0.0	
Channel				516502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	23.31	23.34	23.30	23.2	0.0	
Channel				515004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	23.44	23.41	23.46	25.2	0.0	

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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				518004	518000	518996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	15.29	15.37	15.36	17.2	0.0	
40	QPSK	1	53	15.40	15.30	15.40			
40	QPSK	1	104	15.30	15.38	15.41			
40	QPSK	50	0	15.27	15.37	15.41			
40	QPSK	50	26	15.21	15.46	15.35	17.2	0.0	
40	QPSK	50	56	15.26	15.38	15.44			
40	QPSK	100	0	15.27	15.44	15.42	17.2	0.0	
40	16QAM	1	53	15.26	15.36	15.38	17.2	0.0	
40	64QAM	1	53	15.29	15.38	15.39	17.2	0.0	
40	256QAM	1	53	15.28	15.45	15.40	17.2	0.0	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	15.27	15.36	15.39	17.2	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	15.38	15.45	15.38	17.2	0.0	
Channel				516502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	15.32	15.43	15.39	17.2	0.0	
Channel				515004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	15.25	15.45	15.43	17.2	0.0	



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2640		
100	QPSK	1	1	10.80	10.83	10.70	12.2	0.0
100	QPSK	1	137	10.05	10.98	10.34		
100	QPSK	1	271	10.84	10.77	10.69		
100	QPSK	135	0	10.56	10.57	10.53	12.2	0.0
100	QPSK	135	69	10.72	10.81	10.66	12.2	0.0
100	QPSK	135	138	10.67	10.77	10.66		
100	QPSK	270	0	10.61	10.66	10.65	12.2	0.0
100	16QAM	1	137	10.63	10.78	10.63	12.2	0.0
100	64QAM	1	137	10.77	10.80	10.74	12.2	0.0
100	256QAM	1	137	10.81	10.83	10.75	12.2	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	10.92	10.85	10.81	12.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2640.98		
80	QPSK	1	109	10.93	10.82	10.80	12.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	10.90	10.83	10.86	12.2	0.0
Channel								
Frequency (MHz)				505200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	10.83	10.86	10.82	12.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	67	10.85	10.82	10.79	12.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	10.89	10.86	10.83	12.2	0.0
Channel								
Frequency (MHz)				502200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	10.91	10.82	10.88	12.2	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	10.91	10.87	10.87	12.2	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2640		
100	QPSK	1	1	13.87	13.93	13.84	15.2	0.0
100	QPSK	1	137	14.05	14.10	14.01		
100	QPSK	1	271	13.91	13.87	13.83		
100	QPSK	135	0	13.63	13.70	13.63	15.2	0.0
100	QPSK	135	69	13.85	13.96	13.81	15.2	0.0
100	QPSK	135	138	13.79	13.84	13.71		
100	QPSK	270	0	13.86	13.76	13.70	15.2	0.0
100	16QAM	1	137	13.71	13.84	13.78	15.2	0.0
100	64QAM	1	137	13.87	13.93	13.88	15.2	0.0
100	256QAM	1	137	13.94	13.90	13.80	15.2	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	13.97	13.99	13.92	15.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2640.98		
80	QPSK	1	109	13.92	14.02	13.90	15.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	14.00	14.06	13.93	15.2	0.0
Channel								
Frequency (MHz)				505200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.98	14.03	13.86	15.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	67	13.94	13.98	13.96	15.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.90	14.00	13.92	15.2	0.0
Channel								
Frequency (MHz)				502200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.97	14.04	13.91	15.2	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.93	13.98	13.91	15.2	0.0

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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.01	2592.99	2640		
100	QPSK	1	1	21.39	21.47	21.27	23.2	0.0
100	QPSK	1	137	21.41	21.82	21.35		
100	QPSK	1	271	21.33	21.49	21.30		
100	QPSK	135	0	21.34	21.49	21.18	23.2	0.0
100	QPSK	135	69	21.40	21.48	21.26	23.2	0.0
100	QPSK	135	138	21.37	21.43	21.24		
100	QPSK	270	0	21.32	21.39	21.17	23.2	0.0
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0
100	64QAM	1	137	21.31	21.42	21.19	23.2	0.0
100	256QAM	1	137	20.21	20.21	20.19	21.7	1.5
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0
Channel								
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2640.98		
80	QPSK	1	109	21.36	21.43	21.17	23.2	0.0
Channel								
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	21.33	21.41	21.24	23.2	0.0
Channel								
Frequency (MHz)				505200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.99		
50	QPSK	1	67	21.38	21.44	21.20	23.2	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0
Channel								
Frequency (MHz)				502200	518598	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	21.39	21.42	21.20	23.2	0.0



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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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	23.19	23.25	23.11			
100	QPSK	1	137	24.36	24.45	24.41	26.2	0.0	
100	QPSK	1	271	23.11	23.17	23.10			
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0	
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0	
100	QPSK	135	138	23.32	23.33	23.25			
100	QPSK	270	0	23.10	23.13	23.01	26.2	1.0	
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0	
100	64QAM	1	137	21.63	21.70	21.98	23.7	2.5	
100	256QAM	1	137	20.29	20.39	20.20	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.28	24.41	23.82	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524.02	2592.99	2664.99			
50	QPSK	1	67	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	24.22	24.27	23.78	26.2	0.0	

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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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.03	2592.99	2642			
100	QPSK	1	1	12.26	12.24	12.26			
100	QPSK	1	137	12.36	12.39	12.35	14.2	0.0	
100	QPSK	1	271	12.30	12.30	12.24			
100	QPSK	135	0	12.28	12.31	12.27	14.2	0.0	
100	QPSK	135	69	12.31	12.36	12.36	14.2	0.0	
100	QPSK	135	138	12.21	12.31	12.26			
100	QPSK	270	0	12.27	12.32	12.29	14.2	0.0	
100	16QAM	1	137	12.31	12.25	12.27	14.2	0.0	
100	64QAM	1	137	12.27	12.31	12.28	14.2	0.0	
100	256QAM	1	137	12.22	12.33	12.21	14.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	12.29	12.34	12.30	14.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	12.24	12.32	12.28	14.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	12.21	12.33	12.24	14.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	12.21	12.30	12.25	14.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524.02	2592.99	2664.99			
50	QPSK	1	67	12.27	12.30	12.26	14.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	12.25	12.30	12.26	14.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	12.27	12.26	12.22	14.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	12.29	12.34	12.24	14.2	0.0	

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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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2642			
100	QPSK	1	1	15.20	15.15	15.10			
100	QPSK	1	137	15.21	15.32	15.20	17.2	0.0	
100	QPSK	1	271	15.18	15.17	15.15			
100	QPSK	135	0	15.19	15.24	15.22	17.2	0.0	
100	QPSK	135	69	15.21	15.25	15.24	17.2	0.0	
100	QPSK	135	138	15.12	15.21	15.21			
100	QPSK	270	0	15.20	15.23	15.20	17.2	0.0	
100	16QAM	1	137	15.19	15.15	15.21	17.2	0.0	
100	64QAM	1	137	15.14	15.22	15.16	17.2	0.0	
100	256QAM	1	137	15.11	15.28	15.14	17.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	15.14	15.04	14.98	17.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	15.07	15.09	14.95	17.2	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	15.15	15.08	15.04	17.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	15.10	15.02	15.05	17.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524.02	2592.99	2664.99			
50	QPSK	1	67	15.14	15.08	15.01	17.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	15.09	15.03	14.98	17.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	15.05	15.07	15.00	17.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	26	15.08	15.06	14.99	17.2	0.0	



Reduced Power for DSI 5 ENDC

n5_Ant 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				834	836.5	839			
Frequency (MHz)				16300	16700	167000			
20	QPSK	1	1	16.31	16.32	16.31			
20	QPSK	1	53	16.40	16.42	16.36	17.7	0.0	
20	QPSK	1	104	16.30	16.36	16.26			
20	QPSK	50	0	16.31	16.28	16.27	17.7	0.0	
20	QPSK	50	28	16.35	16.36	16.32			
20	QPSK	50	56	16.33	16.30	16.28			
20	QPSK	100	0	16.33	16.34	16.21	17.7	0.0	
20	16QAM	1	53	16.29	16.33	16.26	17.7	0.0	
20	16QAM	1	53	16.26	16.31	16.24	17.7	0.0	
20	256QAM	1	53	16.25	16.29	16.31	17.7	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	16.33	16.27	16.28	17.7	0.0	
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	26	16.25	16.31	16.22	17.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				261.5	261.5	261.5			
5	QPSK	1	23	16.25	16.32	16.26	17.7	0.0	

n5_Ant 0									
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				834	836.5	839			
Frequency (MHz)				166000	167000	167000			
20	QPSK	1	1	16.50	16.49	16.42			
20	QPSK	1	53	16.59	16.64	16.57	20.2	0.0	
20	QPSK	1	104	16.50	16.52	16.47			
20	QPSK	50	0	16.39	16.40	16.40	20.2	0.0	
20	QPSK	50	28	16.42	16.43	16.42			
20	QPSK	50	56	16.39	16.42	16.37			
20	QPSK	100	0	16.40	16.42	16.38	20.2	0.0	
20	16QAM	1	53	16.44	16.47	16.36	20.2	0.0	
20	16QAM	1	53	16.41	16.46	16.36	20.2	0.0	
20	256QAM	1	53	16.35	16.40	16.42	20.2	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	16.40	16.46	16.38	20.2	0.0	
Channel				162300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	26	16.39	16.49	16.36	20.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				261.5	261.5	261.5			
5	QPSK	1	23	16.39	16.43	16.32	20.2	0.0	

n7_Ant 3									
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				2520	2535	2550			
Frequency (MHz)				505000	507000	510000			
40	QPSK	1	1	12.37	12.42	12.39			
40	QPSK	1	108	12.42	12.49	12.46	13.2	0.0	
40	QPSK	1	214	12.33	12.44	12.35			
40	QPSK	108	0	12.35	12.38	12.38	13.2	0.0	
40	QPSK	108	54	12.35	12.43	12.41			
40	QPSK	108	108	12.37	12.38	12.37			
40	QPSK	216	0	12.36	12.41	12.40	13.2	0.0	
40	16QAM	1	108	12.31	12.41	12.35	13.2	0.0	
40	16QAM	1	108	12.32	12.35	12.34	13.2	0.0	
40	256QAM	1	108	12.32	12.43	12.33	13.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	12.31	12.42	12.41	13.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	12.27	12.34	12.31	13.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	12.31	12.44	12.32	13.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	12.34	12.36	12.32	13.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	12.37	12.36	12.39	13.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	12.34	12.40	12.31	13.2	0.0	



n7_Ant 0									
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				2920	2935	2950			
Frequency (MHz)									
40	QPSK	1	1	14.22	14.23	14.15			
40	QPSK	1	108	14.34	14.35	14.30	15.2	0.0	
40	QPSK	1	214	14.26	14.29	14.17			
40	QPSK	108	0	14.21	14.21	14.20	15.2	0.0	
40	QPSK	108	54	14.05	14.27	14.26			
40	QPSK	108	108	14.24	14.22	14.21	15.2	0.0	
40	QPSK	216	0	14.25	14.26	14.17			
40	16QAM	1	108	14.29	14.28	14.16	15.2	0.0	
40	16QAM	1	108	14.29	14.23	14.17	15.2	0.0	
40	256QAM	1	108	14.24	14.29	14.22	15.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	80	14.23	14.29	14.20	15.2	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2912.5	2935	2957.5			
25	QPSK	1	65	14.29	14.24	14.16	15.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2910	2935	2960			
20	QPSK	1	53	14.26	14.27	14.16	15.2	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2907.5	2935	2962.5			
15	QPSK	1	40	14.19	14.26	14.24	15.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	26	14.20	14.29	14.19	15.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2902.5	2935	2967.5			
5	Qpsk	1	20	14.19	14.20	14.21	15.2	0.0	

n7_Ant 4									
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				2920	2935	2950			
Frequency (MHz)									
40	QPSK	1	1	13.47	13.42	13.35			
40	QPSK	1	108	13.54	13.55	13.44	14.7	0.0	
40	QPSK	1	214	13.47	13.37	13.35			
40	QPSK	108	0	13.39	13.40	13.39	14.7	0.0	
40	QPSK	108	54	13.40	13.46	13.40			
40	QPSK	108	108	13.42	13.36	13.37	14.7	0.0	
40	QPSK	216	0	13.39	13.44	13.32			
40	16QAM	1	108	13.46	13.42	13.36	14.7	0.0	
40	16QAM	1	108	13.48	13.35	13.37	14.7	0.0	
40	256QAM	1	108	13.41	13.40	13.34	14.7	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2915	2935	2955			
30	QPSK	1	80	13.45	13.39	13.36	14.7	0.0	
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2912.5	2935	2957.5			
25	QPSK	1	65	13.41	13.43	13.33	14.7	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2910	2935	2960			
20	QPSK	1	53	13.40	13.43	13.39	14.7	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2907.5	2935	2962.5			
15	QPSK	1	40	13.41	13.45	13.38	14.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2905	2935	2965			
10	QPSK	1	26	13.41	13.40	13.32	14.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2902.5	2935	2967.5			
5	Qpsk	1	20	13.45	13.42	13.34	14.7	0.0	

n66_Ant 3									
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				1730	1745	1760			
Frequency (MHz)									
40	QPSK	1	1	16.62	16.62	16.57			
40	QPSK	1	108	16.72	16.74	16.71	18.2	0.0	
40	QPSK	1	214	16.62	16.61	16.53			
40	QPSK	108	0	16.59	16.69	16.65	18.2	0.0	
40	QPSK	108	54	16.67	16.70	16.60			
40	QPSK	108	108	16.60	16.61	16.60	18.2	0.0	
40	QPSK	216	0	16.65	16.69	16.59			
40	16QAM	1	108	16.62	16.63	16.56	18.2	0.0	
40	16QAM	1	108	16.66	16.69	16.61	18.2	0.0	
40	256QAM	1	108	16.64	16.63	16.57	18.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	16.62	16.54	16.55	0.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	16.67	16.60	16.59	0.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	16.67	16.59	16.62	0.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	16.60	16.65	16.64	0.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	20	16.59	16.65	16.58	0.0	0.0	



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.52	15.47	15.48			
40	QPSK	1	108	15.05	15.62	15.26	16.7	0.0	
40	QPSK	1	214	15.50	15.56	15.46			
40	QPSK	108	0	15.49	15.55	15.52	16.7	0.0	
40	QPSK	108	54	15.50	15.56	15.54	16.7	0.0	
40	QPSK	108	108	15.49	15.50	15.53			
40	QPSK	216	0	15.44	15.54	15.46	16.7	0.0	
40	16QAM	1	108	15.48	15.56	15.47	16.7	0.0	
40	64QAM	1	108	15.49	15.47	15.51	16.7	0.0	
40	256QAM	1	108	15.45	15.51	15.48	16.7	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)				341000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
20	QPSK	1	53	1729	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	40	1712.5	1745	1772.5	0.0	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	23	1712.5	1745	1772.5	0.0	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	15.82	15.84	15.81			
40	QPSK	1	108	15.01	15.92	15.90	17.2	0.0	
40	QPSK	1	214	15.82	15.83	15.76			
40	QPSK	108	0	15.78	15.84	15.80	17.2	0.0	
40	QPSK	108	54	15.84	15.88	15.85	17.2	0.0	
40	QPSK	108	108	15.77	15.86	15.76			
40	QPSK	216	0	15.83	15.85	15.76	17.2	0.0	
40	16QAM	1	108	15.84	15.86	15.84	17.2	0.0	
40	64QAM	1	108	15.77	15.80	15.79	17.2	0.0	
40	256QAM	1	108	15.84	15.82	15.79	17.2	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)				346000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
20	QPSK	1	53	1720	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	40	1717.5	1745	1772.5	0.0	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	23	1712.5	1745	1772.5	0.0	0.0	



n38_Ant 3									
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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2585.02	2595	2599.98			
40	QPSK	1	1	12.85	12.70	12.58		14.2	0.0
40	QPSK	1	53	12.72	12.75	12.71			
40	QPSK	1	104	12.59	12.85	12.61			
40	QPSK	50	0	12.61	12.88	12.84		14.2	0.0
40	QPSK	50	26	12.85	12.70	12.97		14.2	0.0
40	QPSK	50	56	12.61	12.86	12.86		14.2	0.0
40	QPSK	100	0	12.62	12.63	12.61			
40	16QAM	1	53	12.58	12.88	12.64		14.2	0.0
40	64QAM	1	53	12.58	12.61	12.83		14.2	0.0
40	256QAM	1	53	12.56	12.56	12.57		14.2	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99		14.2	0.0
30	QPSK	1	39	12.61	12.85	12.61			
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	12.83	12.85	12.58		14.2	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	12.58	12.89	12.60		14.2	0.0
Channel									
Frequency (MHz)				517004	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	12.65	12.70	12.63		14.2	0.0

n38_Ant 0									
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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2589.92	2595	2599.98			
40	QPSK	1	1	15.00	15.03	14.89		16.7	0.0
40	QPSK	1	53	15.08	15.10	15.02			
40	QPSK	1	104	14.94	14.95	14.87			
40	QPSK	50	0	14.95	14.96	14.94		16.7	0.0
40	QPSK	50	26	14.97	15.01	14.96		16.7	0.0
40	QPSK	50	56	14.92	14.96	14.89		16.7	0.0
40	QPSK	100	0	14.95	14.97	14.95			
40	16QAM	1	53	15.00	15.03	14.87		16.7	0.0
40	64QAM	1	53	14.96	14.95	14.90		16.7	0.0
40	256QAM	1	53	14.96	14.90	14.90		16.7	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99		16.7	0.0
30	QPSK	1	39	14.96	15.01	14.90			
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	14.94	15.01	14.97		16.7	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	14.97	14.97	14.97		16.7	0.0
Channel									
Frequency (MHz)				517004	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	14.93	15.00	14.92		16.7	0.0

n38_Ant 4									
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									
Frequency (MHz)				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	12.89	12.96	12.90		14.7	0.0
40	QPSK	1	53	13.02	13.05	13.01			
40	QPSK	1	104	12.87	12.92	12.91			
40	QPSK	50	0	12.90	12.98	12.94		14.7	0.0
40	QPSK	50	26	12.97	13.00	12.96		14.7	0.0
40	QPSK	50	56	12.96	12.92	12.95		14.7	0.0
40	QPSK	100	0	12.89	12.89	12.88		14.7	0.0
40	16QAM	1	53	12.91	12.98	12.90		14.7	0.0
40	64QAM	1	53	12.88	12.91	12.96		14.7	0.0
40	256QAM	1	53	12.88	12.95	12.91		14.7	0.0
Channel									
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99		14.7	0.0
30	QPSK	1	39	12.97	12.90	12.96			
Channel									
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	26	12.96	12.94	12.94		14.7	0.0
Channel									
Frequency (MHz)				518502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	12.96	12.98	12.90		14.7	0.0
Channel									
Frequency (MHz)				517004	519000	522500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	12.87	12.91	12.86		14.7	0.0



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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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2640		
100	QPSK	1	1	9.97	10.10	10.05		
100	QPSK	1	137	10.06	10.17	10.11	11.7	0.0
100	QPSK	1	271	10.06	10.04	10.99		
100	QPSK	135	0	10.06	10.07	10.10	11.7	0.0
100	QPSK	135	69	10.15	10.14	10.11	11.7	0.0
100	QPSK	135	138	10.02	10.06	10.00		
100	QPSK	270	0	9.97	10.08	10.03	11.7	0.0
100	16QAM	1	137	10.06	10.07	10.07	11.7	0.0
100	64QAM	1	137	10.00	10.07	10.03	11.7	0.0
100	256QAM	1	137	10.02	10.09	10.04	11.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	9.98	10.04	10.02	11.7	0.0
Channel								
Frequency (MHz)				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	9.98	10.10	10.05	11.7	0.0
Channel								
Frequency (MHz)				506202	518598	531098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	10.04	10.08	10.03	11.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	10.04	10.07	10.10	11.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	9.97	10.07	10.07	11.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	10.00	10.02	10.10	11.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	10.07	10.04	10.05	11.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	9.98	10.08	10.08	11.7	0.0

n41_Ant 3_HPUE

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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2640		
100	QPSK	1	1	12.82	13.05	12.93		
100	QPSK	1	137	13.05	13.11	13.09	14.7	0.0
100	QPSK	1	271	12.99	12.92	12.98		
100	QPSK	135	0	12.95	12.99	12.96	14.7	0.0
100	QPSK	135	69	13.09	13.07	13.06	14.7	0.0
100	QPSK	135	138	12.87	12.96	12.92		
100	QPSK	270	0	12.83	12.93	12.92	14.7	0.0
100	16QAM	1	137	12.96	12.95	12.99	14.7	0.0
100	64QAM	1	137	12.95	12.95	12.90	14.7	0.0
100	256QAM	1	137	12.97	12.90	12.95	14.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	120	12.93	12.99	12.93	14.7	0.0
Channel								
Frequency (MHz)				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	12.90	12.96	12.99	14.7	0.0
Channel								
Frequency (MHz)				506202	518598	531098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	12.90	13.04	12.99	14.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	12.97	12.99	12.94	14.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	12.95	13.01	12.97	14.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	12.88	13.03	12.91	14.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	12.91	12.98	12.95	14.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	12.92	13.00	12.97	14.7	0.0

n41_Ant 0

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								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2548.03	2592.99	2640		
100	QPSK	1	1	13.78	13.82	13.81		
100	QPSK	1	137	13.92	13.96	13.92	15.7	0.0
100	QPSK	1	271	13.81	13.83	13.79		
100	QPSK	135	0	13.82	13.85	13.84	15.7	0.0
100	QPSK	135	69	13.93	13.91	13.90	15.7	0.0
100	QPSK	135	138	13.80	13.87	13.84		
100	QPSK	270	0	13.81	13.91	13.82	15.7	0.0
100	16QAM	1	137	13.86	13.87	13.86	15.7	0.0
100	64QAM	1	137	13.87	13.84	13.78	15.7	0.0
100	256QAM	1	137	13.77	13.91	13.82	15.7	0.0
Channel								
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	120	13.83	13.81	13.79	15.7	0.0
Channel								
Frequency (MHz)				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	QPSK	1	109	13.83	13.89	13.87	15.7	0.0
Channel								
Frequency (MHz)				506202	518598	531098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	13.80	13.89	13.88	15.7	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.77	13.82	13.77	15.7	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.78	13.77	13.77	15.7	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.85	13.84	13.82	15.7	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.82	13.81	13.83	15.7	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	20	13.85	13.85	13.85	15.7	0.0



n41_Ant 0_HPUE										
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										
Frequency (MHz)				509202	518598	528000				
Frequency (MHz)				2548.03	2592.99	2640				
100	QPSK	1	1	16.73	16.67	16.73				
100	QPSK	1	137	16.85	16.86	16.87	18.7	0.0		
100	QPSK	1	271	16.75	16.68	16.69				
100	QPSK	135	0	16.75	16.71	16.78	18.7	0.0		
100	QPSK	135	69	16.76	16.82	16.91	18.7	0.0		
100	QPSK	135	138	16.69	16.76	16.79				
100	QPSK	270	0	16.71	16.83	16.75	18.7	0.0		
100	16QAM	1	137	16.78	16.75	16.71	18.7	0.0		
100	64QAM	1	137	16.79	16.69	16.69	18.7	0.0		
100	256QAM	1	137	16.82	16.76	16.75	18.7	0.0		
Channel										
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	120	16.72	16.81	16.75	18.7	0.0		
Channel										
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	109	16.70	16.85	16.67	18.7	0.0		
Channel										
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	95	16.69	16.77	16.70	18.7	0.0		
Channel										
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	16.71	16.86	16.70	18.7	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	16.68	16.84	16.69	18.7	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	16.62	16.81	16.68	18.7	0.0		
Channel										
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	16.63	16.84	16.70	18.7	0.0		
Channel										
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	16.66	16.76	16.71	18.7	0.0		

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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										
Frequency (MHz)				509202	518598	528000				
Frequency (MHz)				2548.03	2592.99	2640				
100	QPSK	1	1	10.79	10.72	10.65				
100	QPSK	1	137	10.84	10.90	10.76	12.7	0.0		
100	QPSK	1	271	10.73	10.73	10.72				
100	QPSK	135	0	10.69	10.78	10.76	12.7	0.0		
100	QPSK	135	69	10.76	10.80	10.79	12.7	0.0		
100	QPSK	135	138	10.66	10.78	10.71				
100	QPSK	270	0	10.68	10.77	10.62	12.7	0.0		
100	16QAM	1	137	10.74	10.79	10.69	12.7	0.0		
100	64QAM	1	137	10.78	10.80	10.72	12.7	0.0		
100	256QAM	1	137	10.81	10.73	10.69	12.7	0.0		
Channel										
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	120	10.81	10.72	10.67	12.7	0.0		
Channel										
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	109	10.83	10.72	10.66	12.7	0.0		
Channel										
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	95	10.78	10.77	10.64	12.7	0.0		
Channel										
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	10.75	10.72	10.68	12.7	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	10.80	10.73	10.61	12.7	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	10.76	10.76	10.63	12.7	0.0		
Channel										
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	10.81	10.73	10.62	12.7	0.0		
Channel										
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	10.77	10.78	10.65	12.7	0.0		

n41_Ant 4_HPUE										
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										
Frequency (MHz)				509202	518598	528000				
Frequency (MHz)				2548.03	2592.99	2640				
100	QPSK	1	1	13.78	13.73	13.67				
100	QPSK	1	137	13.84	13.85	13.81	15.7	0.0		
100	QPSK	1	271	13.74	13.72	13.70				
100	QPSK	135	0	13.69	13.78	13.75	15.7	0.0		
100	QPSK	135	69	13.75	13.77	13.76	15.7	0.0		
100	QPSK	135	138	13.71	13.74	13.72				
100	QPSK	270	0	13.72	13.77	13.66	15.7	0.0		
100	16QAM	1	137	13.71	13.78	13.70	15.7	0.0		
100	64QAM	1	137	13.75	13.77	13.75	15.7	0.0		
100	256QAM	1	137	13.78	13.74	13.66	15.7	0.0		
Channel										
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	120	13.72	13.79	13.71	15.7	0.0		
Channel										
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2538.02	2592.99	2649.99				
80	QPSK	1	109	13.77	13.71	13.66	15.7	0.0		
Channel										
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	95	13.71	13.72	13.70	15.7	0.0		
Channel										
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	13.73	13.73	13.67	15.7	0.0		
Channel										
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	13.74	13.77	13.68	15.7	0.0		
Channel										
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	13.71	13.72	13.68	15.7	0.0		
Channel										
Frequency (MHz)				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	13.77	13.80	13.66	15.7	0.0		
Channel										
Frequency (MHz)				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	13.76	13.74	13.76	15.7	0.0		



Reduced Power for DSI 6 ENDC

n5_Ant 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				165000	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	15.22	15.26	15.17			
20	QPSK	1	53	15.20	15.30	15.22	16.7	0.0	
20	QPSK	1	104	15.24	15.25	15.18			
20	QPSK	50	0	15.25	15.16	15.19	16.7	0.0	
20	QPSK	50	28	15.27	15.28	15.21	16.7	0.0	
20	QPSK	50	56	15.18	15.20	15.14			
20	QPSK	100	0	15.25	15.26	15.15	16.7	0.0	
20	16QAM	1	53	15.16	15.25	15.17	16.7	0.0	
20	16QAM	1	53	15.19	15.25	15.09	16.7	0.0	
20	256QAM	1	53	15.19	15.14	15.23	16.7	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	15.13	15.21	15.08	16.7	0.0	
Channel				165000	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	26	15.12	15.15	15.1	16.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				845.5	846.5	845.5			
5	QPSK	1	23	15.21	15.16	15.11	16.7	0.0	

n5_Ant 0									
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				166000	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	23.10	23.15	23.12			
20	QPSK	1	53	23.19	23.31	23.19	24.7	0.0	
20	QPSK	1	104	23.14	23.14	23.11			
20	QPSK	50	0	22.14	22.14	22.12	23.7	1.0	
20	QPSK	50	28	23.14	23.29	23.17	24.7	0.0	
20	QPSK	50	56	22.13	22.24	22.14			
20	QPSK	100	0	22.14	22.16	22.12	23.7	1.0	
20	16QAM	1	53	22.11	22.10	22.12	23.7	1.0	
20	16QAM	1	53	20.66	20.61	20.64	22.2	2.5	
20	256QAM	1	53	19.10	19.18	19.18	20.2	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	23.11	23.10	23.13	24.7	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	26	23.11	23.13	23.17	24.7	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				845.5	846.5	845.5			
5	QPSK	1	23	23.16	23.16	23.13	24.7	0.0	

n7_Ant 3									
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				505000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	11.30	11.28	11.28			
40	QPSK	1	108	11.35	11.38	11.35	12.2	0.0	
40	QPSK	1	214	11.28	11.24	11.25			
40	QPSK	108	0	11.23	11.30	11.30	12.2	0.0	
40	QPSK	108	54	11.25	11.32	11.31	12.2	0.0	
40	QPSK	108	108	11.25	11.24	11.25			
40	QPSK	216	0	11.28	11.31	11.28	12.2	0.0	
40	16QAM	1	108	11.30	11.33	11.26	12.2	0.0	
40	16QAM	1	108	11.24	11.31	11.27	12.2	0.0	
40	256QAM	1	108	11.29	11.29	11.22	12.2	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	80	11.22	11.31	11.22	12.2	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	65	11.24	11.33	11.25	12.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	53	11.29	11.23	11.28	12.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	11.30	11.28	11.25	12.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	11.26	11.25	11.27	12.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	23	11.23	11.33	11.30	12.2	0.0	



n7_Ant 0										
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				2920	2935	2950				
Frequency (MHz)										
40	QPSK	1	1	22.27	22.21	22.28				
40	QPSK	1	108	22.70	22.86	22.72	23.7	0.0		
40	QPSK	1	214	22.27	22.26	22.26				
40	QPSK	108	0	21.59	21.86	21.59	22.7	1.0		
40	QPSK	108	54	22.70	22.80	22.68				
40	QPSK	108	108	21.84	21.89	21.38				
40	QPSK	216	0	21.85	21.70	21.85	22.7	1.0		
40	16QAM	1	108	21.52	21.57	21.51	22.7	1.0		
40	64QAM	1	108	19.95	20.10	19.95	21.2	2.5		
40	256QAM	1	108	18.59	18.74	18.62	19.2	4.5		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
30	QPSK	1	80	22.83	22.82	22.80	23.7	0.0		
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
25	QPSK	1	65	25.72	25.85	25.75	23.7	0.0		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	53	22.74	22.72	22.85	23.7	0.0		
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	40	22.74	22.70	22.80	23.7	0.0		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	26	22.69	22.71	22.75	23.7	0.0		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	Qpsk	1	20	22.72	22.74	22.76	23.7	0.0		

n7_Ant 4										
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				2920	2935	2950				
Frequency (MHz)										
40	QPSK	1	1	14.40	14.41	14.50				
40	QPSK	1	108	14.54	14.55	14.53	15.7	0.0		
40	QPSK	1	214	14.40	14.40	14.47				
40	QPSK	108	0	14.48	14.50	14.49	15.7	0.0		
40	QPSK	108	54	14.50	14.52	14.50				
40	QPSK	108	108	14.40	14.41	14.42				
40	QPSK	216	0	14.42	14.46	14.42	15.7	0.0		
40	16QAM	1	108	14.43	14.47	14.46	15.7	0.0		
40	64QAM	1	108	14.50	14.47	14.41	15.7	0.0		
40	256QAM	1	108	14.48	14.45	14.49	15.7	0.0		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
30	QPSK	1	80	14.42	14.47	14.43	15.7	0.0		
Channel				502000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
25	QPSK	1	65	14.44	14.41	14.47	15.7	0.0		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	53	14.42	14.49	14.48	15.7	0.0		
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	40	14.46	14.43	14.50	15.7	0.0		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	26	14.45	14.42	14.42	15.7	0.0		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	Qpsk	1	20	14.43	14.45	14.47	15.7	0.0		

n66_Ant 3										
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				1730	1745	1760				
Frequency (MHz)										
40	QPSK	1	1	13.51	13.62	13.60				
40	QPSK	1	108	13.62	13.67	13.69	15.2	0.0		
40	QPSK	1	214	13.53	13.54	13.53				
40	QPSK	108	0	13.55	13.58	13.60	15.2	0.0		
40	QPSK	108	54	13.56	13.62	13.61				
40	QPSK	108	108	13.54	13.54	13.60				
40	QPSK	216	0	13.55	13.61	13.53	15.2	0.0		
40	16QAM	1	108	13.48	13.59	13.51	15.2	0.0		
40	64QAM	1	108	13.53	13.54	13.61	15.2	0.0		
40	256QAM	1	108	13.51	13.61	13.51	15.2	0.0		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
30	QPSK	1	80	13.53	13.55	13.53	15.2	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	53	13.47	13.60	13.58	15.2	0.0		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	40	13.56	13.57	13.54	15.2	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	26	13.47	13.68	13.58	15.2	0.0		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	20	13.52	13.57	13.55	15.2	0.0		



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.21	22.20	22.27			
40	QPSK	1	108	22.14	22.86	22.75	23.7	0.0	
40	QPSK	1	214	22.24	22.24	22.24			
40	QPSK	108	0	21.83	21.89	21.59	22.7	1.0	
40	QPSK	108	54	22.65	22.85	22.05	23.7	0.0	
40	QPSK	108	108	21.78	21.87	21.76			
40	QPSK	216	0	21.59	21.73	21.58	22.7	1.0	
40	16QAM	1	108	21.46	21.54	21.45	22.7	1.0	
40	64QAM	1	108	20.06	20.10	20.10	21.2	2.5	
40	256QAM	1	108	18.75	18.83	18.80	19.2	4.5	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
20	QPSK	1	53	1729	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	40	22.67	22.69	22.67	0.0	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	26	1715	1745	1775	0.0	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	23	1712.5	1745	1777.5	0.0	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1126	1136	1133			
40	QPSK	1	1	11.26	11.36	11.33			
40	QPSK	1	108	11.39	11.42	11.40	12.7	0.0	
40	QPSK	1	214	11.27	11.36	11.36			
40	QPSK	108	0	11.28	11.35	11.27	12.7	0.0	
40	QPSK	108	54	11.30	11.36	11.35	12.7	0.0	
40	QPSK	108	108	11.25	11.32	11.29	12.7	0.0	
40	QPSK	216	0	11.26	11.32	11.25	12.7	0.0	
40	16QAM	1	108	11.34	11.28	11.28	12.7	0.0	
40	64QAM	1	108	11.28	11.35	11.31	12.7	0.0	
40	256QAM	1	108	11.31	11.37	11.34	12.7	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MFR (dB)	
30	QPSK	1	80	1725	1745	1765	0.0	0.0	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MFR (dB)	
20	QPSK	1	53	1729	1745	1770	0.0	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	40	11.26	11.31	11.35	0.0	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	26	11.27	11.29	11.29	0.0	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	23	11.24	11.29	11.30	0.0	0.0	



n38_Ant 3									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	10.96	11.11	11.06	12.7	0.0	
40	QPSK	1	53	11.11	11.21	11.18			
40	QPSK	1	104	11.00	11.14	11.04			
40	QPSK	50	0	10.97	11.10	11.10	12.7	0.0	
40	QPSK	50	28	11.06	11.12	11.11	12.7	0.0	
40	QPSK	50	56	10.99	11.10	11.06			
40	QPSK	100	0	11.01	11.13	11.13	12.7	0.0	
40	16QAM	1	53	11.06	11.14	11.06	12.7	0.0	
40	64QAM	1	53	11.06	11.14	11.14	12.7	0.0	
40	256QAM	1	53	10.99	11.12	11.12	12.7	0.0	
Channel				517002	518000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	11.03	11.14	11.10	12.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	10.97	11.15	11.06	12.7	0.0	
Channel				518502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	10.97	11.07	11.12	12.7	0.0	
Channel				518004	519000	520996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	11.02	11.10	11.06	12.7	0.0	

n38_Ant 0									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.22	23.32	23.30	25.2	0.0	
40	QPSK	1	53	23.29	23.62	23.53			
40	QPSK	1	104	23.55	23.57	23.50			
40	QPSK	50	0	22.99	22.70	22.99	24.7	0.5	
40	QPSK	50	28	23.41	23.91	23.41	25.2	0.0	
40	QPSK	50	56	22.63	22.73	22.66			
40	QPSK	100	0	22.90	22.97	22.96	24.7	0.5	
40	16QAM	1	53	22.62	22.67	22.59	24.7	0.5	
40	64QAM	1	53	21.18	21.20	21.18	23.2	2.0	
40	256QAM	1	53	19.69	19.75	19.70	21.2	4.0	
Channel				517002	518000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	23.51	23.54	23.55	25.2	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	23.43	23.42	23.41	25.2	0.0	
Channel				518502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	23.01	23.04	23.50	25.2	0.0	
Channel				518004	519000	520996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	23.44	23.41	23.46	25.2	0.0	

n38_Ant 4									
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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	13.92	13.91	13.80	15.7	0.0	
40	QPSK	1	53	13.99	14.00	13.92			
40	QPSK	1	104	13.91	13.88	13.81			
40	QPSK	50	0	13.94	13.95	13.89			
40	QPSK	50	28	13.95	13.99	13.97	15.7	0.0	
40	QPSK	50	56	13.94	13.88	13.86			
40	QPSK	100	0	13.89	13.90	13.78	15.7	0.0	
40	16QAM	1	53	13.85	13.86	13.79	15.7	0.0	
40	64QAM	1	53	13.83	13.85	13.87	15.7	0.0	
40	256QAM	1	53	13.84	13.85	13.86	15.7	0.0	
Channel				517002	518000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	39	13.91	13.91	13.81	15.7	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	13.85	13.93	13.87	15.7	0.0	
Channel				518502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	13.94	13.96	13.84	15.7	0.0	
Channel				518004	519000	520996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	13.88	13.93	13.87	15.7	0.0	



n41_Ant 3									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2648			
100	QPSK	1	1	8.56	8.58	8.60			
100	QPSK	1	137	8.05	8.66	8.62	10.2	0.0	
100	QPSK	1	271	8.55	8.51	8.50			
100	QPSK	135	0	8.54	8.53	8.51	10.2	0.0	
100	QPSK	135	69	8.56	8.56	8.55	10.2	0.0	
100	QPSK	135	138	8.54	8.52	8.52			
100	QPSK	270	0	8.51	8.57	8.53	10.2	0.0	
100	16QAM	1	137	8.50	8.56	8.53	10.2	0.0	
100	64QAM	1	137	8.56	8.58	8.57	10.2	0.0	
100	256QAM	1	137	8.51	8.53	8.50	10.2	0.0	
Channel									
Frequency (MHz)				505200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	8.52	8.51	8.54	10.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	109	8.50	8.56	8.57	10.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	8.53	8.58	8.54	10.2	0.0	
Channel									
Frequency (MHz)				502000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	8.53	8.59	8.52	10.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	8.59	8.58	8.51	10.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	8.57	8.59	8.50	10.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	8.50	8.61	8.49	10.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	20	8.57	8.54	8.51	10.2	0.0	

n41_Ant 3_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2648			
100	QPSK	1	1	11.45	11.45	11.55			
100	QPSK	1	137	11.50	11.60	11.56	13.2	0.0	
100	QPSK	1	271	11.41	11.38	11.37			
100	QPSK	135	0	11.43	11.48	11.49	13.2	0.0	
100	QPSK	135	69	11.36	11.40	11.36	13.2	0.0	
100	QPSK	135	138	11.42	11.37	11.42			
100	QPSK	270	0	11.42	11.45	11.38	13.2	0.0	
100	16QAM	1	137	11.36	11.42	11.47	13.2	0.0	
100	64QAM	1	137	11.42	11.53	11.49	13.2	0.0	
100	256QAM	1	137	11.44	11.40	11.44	13.2	0.0	
Channel									
Frequency (MHz)				505200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	11.40	11.47	11.38	13.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	109	11.42	11.47	11.36	13.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	11.38	11.48	11.40	13.2	0.0	
Channel									
Frequency (MHz)				502000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	11.41	11.41	11.37	13.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	11.40	11.40	11.41	13.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	11.41	11.43	11.35	13.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	11.37	11.46	11.35	13.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	20	11.45	11.48	11.44	13.2	0.0	

n41_Ant 0									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2648			
100	QPSK	1	1	21.39	21.47	21.27			
100	QPSK	1	137	21.41	21.52	21.35	23.2	0.0	
100	QPSK	1	271	21.33	21.49	21.30			
100	QPSK	135	0	21.34	21.49	21.18	23.2	0.0	
100	QPSK	135	69	21.40	21.48	21.36	23.2	0.0	
100	QPSK	135	138	21.37	21.43	21.24			
100	QPSK	270	0	21.32	21.39	21.17	23.2	0.0	
100	16QAM	1	137	21.38	21.44	21.17	23.2	0.0	
100	64QAM	1	137	21.31	21.42	21.19	23.2	0.0	
100	256QAM	1	137	20.21	20.23	20.19	21.7	1.5	
Channel									
Frequency (MHz)				505200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	21.31	21.47	21.24	23.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2648.98			
80	QPSK	1	109	21.35	21.43	21.17	23.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	21.31	21.41	21.24	23.2	0.0	
Channel									
Frequency (MHz)				502000	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	21.33	21.43	21.24	23.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	21.38	21.44	21.20	23.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	21.35	21.45	21.22	23.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	21.34	21.42	21.21	23.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	20	21.39	21.42	21.20	23.2	0.0	



n41_Ant 0_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	23.19	23.25	23.11	26.2	0.0	
100	QPSK	1	137	24.36	24.45	24.41			
100	QPSK	1	271	23.11	23.17	23.10			
100	QPSK	135	0	23.03	23.06	22.98	25.2	1.0	
100	QPSK	135	69	24.36	24.42	24.36	26.2	0.0	
100	QPSK	135	138	23.32	23.33	23.25			
100	QPSK	270	0	23.10	23.13	23.01	26.2	1.0	
100	16QAM	1	137	23.10	23.17	23.16	25.2	1.0	
100	64QAM	1	137	21.63	21.70	21.36	23.7	2.5	
100	256QAM	1	137	20.25	20.29	20.20	21.7	4.5	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	24.28	24.41	23.82	26.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2640.99			
80	QPSK	1	109	24.14	24.26	23.72	26.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	24.15	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	24.16	24.26	23.80	26.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	24.19	24.38	23.78	26.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	24.19	24.38	23.75	26.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	24.22	24.28	23.73	26.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	24.22	24.27	23.78	26.2	0.0	

n41_Ant 4									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	11.12	11.22	11.24			
100	QPSK	1	137	11.35	11.37	11.25	13.2	0.0	
100	QPSK	1	271	11.13	11.20	11.24			
100	QPSK	135	0	11.22	11.29	11.18	13.2	0.0	
100	QPSK	135	69	11.26	11.30	11.26	13.2	0.0	
100	QPSK	135	138	11.19	11.13	11.21			
100	QPSK	270	0	11.17	11.18	11.15	13.2	0.0	
100	16QAM	1	137	11.20	11.30	11.26	13.2	0.0	
100	64QAM	1	137	11.26	11.25	11.14	13.2	0.0	
100	256QAM	1	137	11.22	11.23	11.13	13.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	11.29	11.23	11.19	13.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	11.23	11.22	11.10	13.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	11.21	11.17	11.17	13.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	11.27	11.21	11.18	13.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	11.19	11.20	11.12	13.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	11.27	11.21	11.14	13.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	11.25	11.23	11.18	13.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	11.25	11.16	11.15	13.2	0.0	

n41_Ant 4_HPUE									
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									
Frequency (MHz)				509202	518598	528000			
Frequency (MHz)				2548.02	2592.99	2640			
100	QPSK	1	1	14.17	14.17	14.20			
100	QPSK	1	137	14.30	14.31	14.27	16.2	0.0	
100	QPSK	1	271	14.15	14.25	14.20			
100	QPSK	135	0	14.21	14.24	14.13	16.2	0.0	
100	QPSK	135	69	14.24	14.25	14.21	16.2	0.0	
100	QPSK	135	138	14.19	14.16	14.18			
100	QPSK	270	0	14.19	14.20	14.20	16.2	0.0	
100	16QAM	1	137	14.15	14.26	14.21	16.2	0.0	
100	64QAM	1	137	14.21	14.24	14.14	16.2	0.0	
100	256QAM	1	137	14.24	14.15	14.14	16.2	0.0	
Channel									
Frequency (MHz)				508200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	120	14.22	14.22	14.12	16.2	0.0	
Channel									
Frequency (MHz)				507204	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	109	14.15	14.19	14.15	16.2	0.0	
Channel									
Frequency (MHz)				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	95	14.24	14.17	14.16	16.2	0.0	
Channel									
Frequency (MHz)				508200	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	14.20	14.17	14.15	16.2	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	14.23	14.25	14.15	16.2	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	14.21	14.22	14.14	16.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	14.15	14.20	14.18	16.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	14.18	14.25	14.21	16.2	0.0	



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CA_7C_Ant 3												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	49	0	0	50	0	Default	23.20	23.60	
21100	20902	QPSK	1	49	0	0	50	0	Default	23.29	23.60	
21350	21152	QPSK	1	49	0	0	50	0	Default	23.28	23.60	
20850	21048	QPSK	50	24	0	0	50	0	DS11	17.49	18.10	
21100	20902	QPSK	50	24	0	0	50	0	DS11	17.68	18.10	
21350	21152	QPSK	50	24	0	0	50	0	DS11	17.67	18.10	
20850	21048	QPSK	1	49	0	0	50	0	DS12	16.04	16.60	
21100	20902	QPSK	1	49	0	0	50	0	DS12	16.24	16.60	
21350	21152	QPSK	1	49	0	0	50	0	DS12	16.24	16.60	
20850	21048	QPSK	50	24	0	0	50	0	DS15	15.42	16.10	
21100	20902	QPSK	50	24	0	0	50	0	DS15	15.65	16.10	
21350	21152	QPSK	50	24	0	0	50	0	DS15	15.63	16.10	
20850	21048	QPSK	1	49	0	0	50	0	DS16	15.10	15.60	
21100	20902	QPSK	1	49	0	0	50	0	DS16	15.25	15.60	
21350	21152	QPSK	1	49	0	0	50	0	DS16	15.28	15.60	

CA_7C_Ant 0												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	49	0	0	50	0	Default	23.51	23.60	
21100	20902	QPSK	1	49	0	0	50	0	Default	23.54	23.60	
21350	21152	QPSK	1	49	0	0	50	0	Default	23.36	23.60	
20850	21048	QPSK	50	24	0	0	50	0	DS11	20.53	20.60	
21100	20902	QPSK	50	24	0	0	50	0	DS11	20.56	20.60	
21350	21152	QPSK	50	24	0	0	50	0	DS11	20.39	20.60	
20850	21048	QPSK	1	49	0	0	50	0	DS12	23.51	23.60	
21100	20902	QPSK	1	49	0	0	50	0	DS12	23.54	23.60	
21350	21152	QPSK	1	49	0	0	50	0	DS12	23.36	23.60	
20850	21048	QPSK	1	49	0	0	50	0	DS15	18.39	18.60	
21100	20902	QPSK	1	49	0	0	50	0	DS15	18.52	18.60	
21350	21152	QPSK	1	49	0	0	50	0	DS15	18.31	18.60	
20850	21048	QPSK	1	49	0	0	50	0	DS16	23.51	23.60	
21100	20902	QPSK	1	49	0	0	50	0	DS16	23.54	23.60	
21350	21152	QPSK	1	49	0	0	50	0	DS16	23.36	23.60	



CA_7C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	50	0	Default	23.11	23.60
21100	20902	QPSK	1	49	0	0	50	0	Default	23.25	23.60
21350	21152	QPSK	1	49	0	0	50	0	Default	23.21	23.60
20850	21048	QPSK	1	49	0	0	50	0	DSI1	18.97	19.60
21100	20902	QPSK	1	49	0	0	50	0	DSI1	19.12	19.60
21350	21152	QPSK	1	49	0	0	50	0	DSI1	19.08	19.60
20850	21048	QPSK	50	24	0	0	50	0	DSI2	20.38	21.10
21100	20902	QPSK	50	24	0	0	50	0	DSI2	20.50	21.10
21350	21152	QPSK	50	24	0	0	50	0	DSI2	20.44	21.10
20850	21048	QPSK	50	24	0	0	50	0	DSI5	16.86	17.60
21100	20902	QPSK	50	24	0	0	50	0	DSI5	17.05	17.60
21350	21152	QPSK	50	24	0	0	50	0	DSI5	17.01	17.60
20850	21048	QPSK	50	24	0	0	50	0	DSI6	19.34	20.10
21100	20902	QPSK	50	24	0	0	50	0	DSI6	19.46	20.10
21350	21152	QPSK	50	24	0	0	50	0	DSI6	19.47	20.10

CA_38C_Ant 3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	50	0	Default	23.19	23.60
37901	38099	QPSK	1	49	0	0	50	0	Default	23.21	23.60
38150	37952	QPSK	1	49	0	0	50	0	Default	22.95	23.60
37850	38048	QPSK	50	24	0	0	50	0	DSI1	20.23	20.60
37901	38099	QPSK	50	24	0	0	50	0	DSI1	20.25	20.60
38150	37952	QPSK	50	24	0	0	50	0	DSI1	20.01	20.60
37850	38048	QPSK	1	49	0	0	50	0	DSI2	17.17	17.60
37901	38099	QPSK	1	49	0	0	50	0	DSI2	17.18	17.60
38150	37952	QPSK	1	49	0	0	50	0	DSI2	16.99	17.60
37850	38048	QPSK	50	24	0	0	50	0	DSI5	16.16	18.60
37901	38099	QPSK	50	24	0	0	50	0	DSI5	16.19	18.60
38150	37952	QPSK	50	24	0	0	50	0	DSI5	17.86	18.60
37850	38048	QPSK	1	49	0	0	50	0	DSI6	15.56	16.10
37901	38099	QPSK	1	49	0	0	50	0	DSI6	15.55	16.10
38150	37952	QPSK	1	49	0	0	50	0	DSI6	15.29	16.10



CA_38C_Ant 0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	50	0	Default	23.46	23.60
37901	38099	QPSK	1	49	0	0	50	0	Default	23.51	23.60
38150	37952	QPSK	1	49	0	0	50	0	Default	23.38	23.60
37850	38048	QPSK	1	49	0	0	50	0	DSI1	23.46	23.60
37901	38099	QPSK	1	49	0	0	50	0	DSI1	23.51	23.60
38150	37952	QPSK	1	49	0	0	50	0	DSI1	23.38	23.60
37850	38048	QPSK	1	49	0	0	50	0	DSI2	23.46	23.60
37901	38099	QPSK	1	49	0	0	50	0	DSI2	23.51	23.60
38150	37952	QPSK	1	49	0	0	50	0	DSI2	23.38	23.60
37850	38048	QPSK	1	49	0	0	50	0	DSI5	21.53	21.60
37901	38099	QPSK	1	49	0	0	50	0	DSI5	21.49	21.60
38150	37952	QPSK	1	49	0	0	50	0	DSI5	21.48	21.60
37850	38048	QPSK	1	49	0	0	50	0	DSI6	23.46	23.60
37901	38099	QPSK	1	49	0	0	50	0	DSI6	23.51	23.60
38150	37952	QPSK	1	49	0	0	50	0	DSI6	23.38	23.60

CA_38C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	50	0	Default	22.84	23.60
37901	38099	QPSK	1	49	0	0	50	0	Default	22.96	23.60
38150	37952	QPSK	1	49	0	0	50	0	Default	22.52	23.60
37850	38048	QPSK	50	24	0	0	50	0	DSI1	20.86	21.60
37901	38099	QPSK	50	24	0	0	50	0	DSI1	20.75	21.60
38150	37952	QPSK	50	24	0	0	50	0	DSI1	20.46	21.60
37850	38048	QPSK	50	24	0	0	50	0	DSI2	21.90	22.60
37901	38099	QPSK	50	24	0	0	50	0	DSI2	21.81	22.60
38150	37952	QPSK	50	24	0	0	50	0	DSI2	21.43	22.60
37850	38048	QPSK	50	24	0	0	50	0	DSI5	18.89	19.60
37901	38099	QPSK	50	24	0	0	50	0	DSI5	18.76	19.60
38150	37952	QPSK	50	24	0	0	50	0	DSI5	18.45	19.60
37850	38048	QPSK	50	24	0	0	50	0	DSI6	20.86	21.60
37901	38099	QPSK	50	24	0	0	50	0	DSI6	20.75	21.60
38150	37952	QPSK	50	24	0	0	50	0	DSI6	20.46	21.60



CA_41C_Ant 3 PC3												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	49	0	0	50	0	Default	21.56	22.30	
40185	39987	QPSK	1	49	0	0	50	0	Default	21.77	22.30	
40620	40422	QPSK	1	49	0	0	50	0	Default	21.74	22.30	
41055	40857	QPSK	1	49	0	0	50	0	Default	21.84	22.30	
41490	41292	QPSK	1	49	0	0	50	0	Default	21.51	22.30	
39750	39948	QPSK	50	24	0	0	50	0	DS11	18.46	19.30	
40185	39987	QPSK	50	24	0	0	50	0	DS11	18.80	19.30	
40620	40422	QPSK	50	24	0	0	50	0	DS11	18.72	19.30	
41055	40857	QPSK	50	24	0	0	50	0	DS11	18.74	19.30	
41490	41292	QPSK	50	24	0	0	50	0	DS11	18.55	19.30	
39750	39948	QPSK	50	24	0	0	50	0	DS12	16.59	17.30	
40185	39987	QPSK	50	24	0	0	50	0	DS12	16.91	17.30	
40620	40422	QPSK	50	24	0	0	50	0	DS12	16.86	17.30	
41055	40857	QPSK	50	24	0	0	50	0	DS12	16.91	17.30	
41490	41292	QPSK	50	24	0	0	50	0	DS12	16.60	17.30	
39750	39948	QPSK	50	24	0	0	50	0	DS15	16.59	17.30	
40185	39987	QPSK	50	24	0	0	50	0	DS15	16.91	17.30	
40620	40422	QPSK	50	24	0	0	50	0	DS15	16.86	17.30	
41055	40857	QPSK	50	24	0	0	50	0	DS15	16.91	17.30	
41490	41292	QPSK	50	24	0	0	50	0	DS15	16.60	17.30	
39750	39948	QPSK	50	24	0	0	50	0	DS16	15.07	15.80	
40185	39987	QPSK	50	24	0	0	50	0	DS16	15.39	15.80	
40620	40422	QPSK	50	24	0	0	50	0	DS16	15.33	15.80	
41055	40857	QPSK	50	24	0	0	50	0	DS16	15.41	15.80	
41490	41292	QPSK	50	24	0	0	50	0	DS16	15.12	15.80	

CA_41C_Ant 0 PC3												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	49	0	0	50	0	Default	22.11	22.30	
40185	39987	QPSK	1	49	0	0	50	0	Default	21.88	22.30	
40620	40422	QPSK	1	49	0	0	50	0	Default	22.17	22.30	
41055	40857	QPSK	1	49	0	0	50	0	Default	22.26	22.30	
41490	41292	QPSK	1	49	0	0	50	0	Default	21.99	22.30	
39750	39948	QPSK	1	49	0	0	50	0	DS11	22.11	22.30	
40185	39987	QPSK	1	49	0	0	50	0	DS11	21.88	22.30	
40620	40422	QPSK	1	49	0	0	50	0	DS11	22.17	22.30	
41055	40857	QPSK	1	49	0	0	50	0	DS11	22.26	22.30	
41490	41292	QPSK	1	49	0	0	50	0	DS11	21.99	22.30	
39750	39948	QPSK	1	49	0	0	50	0	DS12	22.11	22.30	
40185	39987	QPSK	1	49	0	0	50	0	DS12	21.88	22.30	
40620	40422	QPSK	1	49	0	0	50	0	DS12	22.17	22.30	
41055	40857	QPSK	1	49	0	0	50	0	DS12	22.26	22.30	
41490	41292	QPSK	1	49	0	0	50	0	DS12	21.99	22.30	
39750	39948	QPSK	1	49	0	0	50	0	DS15	20.09	20.30	
40185	39987	QPSK	1	49	0	0	50	0	DS15	19.86	20.30	
40620	40422	QPSK	1	49	0	0	50	0	DS15	20.11	20.30	
41055	40857	QPSK	1	49	0	0	50	0	DS15	20.24	20.30	
41490	41292	QPSK	1	49	0	0	50	0	DS15	19.93	20.30	
39750	39948	QPSK	1	49	0	0	50	0	DS16	22.11	22.30	
40185	39987	QPSK	1	49	0	0	50	0	DS16	21.88	22.30	
40620	40422	QPSK	1	49	0	0	50	0	DS16	22.17	22.30	
41055	40857	QPSK	1	49	0	0	50	0	DS16	22.26	22.30	
41490	41292	QPSK	1	49	0	0	50	0	DS16	21.99	22.30	



CA_41C_Ant 4 PC3											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	50	0	Default	21.03	22.30
40185	39987	QPSK	1	49	0	0	50	0	Default	21.22	22.30
40620	40422	QPSK	1	49	0	0	50	0	Default	21.27	22.30
41055	40857	QPSK	1	49	0	0	50	0	Default	21.37	22.30
41490	41292	QPSK	1	49	0	0	50	0	Default	20.97	22.30
39750	39948	QPSK	50	24	0	0	50	0	DS11	18.93	20.30
40185	39987	QPSK	50	24	0	0	50	0	DS11	19.31	20.30
40620	40422	QPSK	50	24	0	0	50	0	DS11	19.22	20.30
41055	40857	QPSK	50	24	0	0	50	0	DS11	19.30	20.30
41490	41292	QPSK	50	24	0	0	50	0	DS11	19.04	20.30
39750	39948	QPSK	50	24	0	0	50	0	DS12	20.02	21.30
40185	39987	QPSK	50	24	0	0	50	0	DS12	20.36	21.30
40620	40422	QPSK	50	24	0	0	50	0	DS12	20.23	21.30
41055	40857	QPSK	50	24	0	0	50	0	DS12	20.26	21.30
41490	41292	QPSK	50	24	0	0	50	0	DS12	19.95	21.30
39750	39948	QPSK	1	49	0	0	50	0	DS15	16.93	18.30
40185	39987	QPSK	1	49	0	0	50	0	DS15	17.44	18.30
40620	40422	QPSK	1	49	0	0	50	0	DS15	17.34	18.30
41055	40857	QPSK	1	49	0	0	50	0	DS15	17.20	18.30
41490	41292	QPSK	1	49	0	0	50	0	DS15	17.02	18.30
39750	39948	QPSK	50	24	0	0	50	0	DS16	18.93	20.30
40185	39987	QPSK	50	24	0	0	50	0	DS16	19.31	20.30
40620	40422	QPSK	50	24	0	0	50	0	DS16	19.22	20.30
41055	40857	QPSK	50	24	0	0	50	0	DS16	19.30	20.30
41490	41292	QPSK	50	24	0	0	50	0	DS16	19.04	20.30



Downlink CA Power

Full Power																		
2CC																		
Configure	CA Configuration (BCS)	PCC							SCC			Power						
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	WIn CA Tx Power (dBm)	WIO CA Tx Power (dBm)				
Inter-Band	2A-4A	Band 2	20M	1880	18900	QPSK	1	49	Band 4	20M	2132.5	2175	21.98	22.11				
	2A-5A	Band 2	20M	1880	18900	qpsk	1	49	Band 5	10M	881.5	2525	21.94	22.11				
	2A-12A	Band 2	20M	1880	18900	QPSK	1	49	Band 12	10M	737.5	5095	21.95	22.11				
	2A-17A	Band 2	10M	1880	18900	QPSK	1	25	Band 17	10M	740	5790	22.05	22.11				
	2A-38A	Band 2	20M	1880	18900	QPSK	1	49	Band 38	20M	2595	38000	22.00	22.11				
	4A-7A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 7	20M	2655	3100	23.05	23.20				
	4A-12A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 12	10M	737.5	5095	23.15	23.20				
	4A-17A	Band 4	10M	1732.5	20175	QPSK	1	25	Band 17	10M	740	5790	23.18	23.20				
	5A-7A	Band 5	10M	829	20450	QPSK	1	25	Band 7	20M	2655	3100	23.08	23.25				
	5A-66A	Band 5	10M	829	20450	qpsk	1	25	Band 66	20M	2155	66886	23.15	23.28				
7A-26A	Band 7	20M	2510	20880	QPSK	1	49	Band 26	10M	678.5	6865	23.81	23.90					
Inter-Band	Non-Contiguous	2A-2A	Band 2	20M	1880	18900	QPSK	1	49	Band 2	5M	1988	1175	22.01	22.11			
		41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2689	41955	22.63	22.62			
		7B	Band 7	15M	2535	21100	QPSK	1	37	Band 7	5M	2664	3193	23.74	23.90			
		3C	Band 2	20M	1880	18900	QPSK	1	49	Band 2	20M	1990	1098	22.05	22.11			
		41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2613	40918	22.51	22.62			
3CC																		
Configure	CA Configuration (BCS)	PCC							SCC1			SCC2		Power				
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	WIn CA Tx Power (dBm)	WIO CA Tx Power (dBm)
Inter-Band	2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	21.78	22.11
	2A-7A-66A	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	Band 66	20M	2155	66886	22.05	22.11
	2A-7C	Band 2	20M	1880	18900	QPSK	1	49	Band 7	20M	2655	3100	Band 7	20M	2674.8	3098	21.85	22.11
	4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	23.12	23.20
	4A-7C	Band 4	20M	1732.5	20175	QPSK	1	49	Band 7	20M	2655	3100	Band 7	20M	2674.8	3098	23.05	23.20
	12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	25	Band 66	20M	2155	66886	Band 66	20	2120	66536	23.25	23.42



BT/WLAN Power

<2.4GHz WLAN Default>

Mode	Channel	Frequency (MHz)	RU Config	dBm			dBm			Power Setting	Duty Cycle %
				Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit		
802.11b 1Mbps	1	2412	Full	14.40	15.0	14.80	15.0	14.80	15.0	100.00	
	6	2437	Full	14.40	15.0	14.80	15.0	14.80	15.0		
	11	2462	Full	14.40	15.0	14.80	15.0	14.80	15.0		
802.11g 6Mbps	2	2417	Full	16.30	17.0	16.50	17.0	16.10	16.2	96.97	
	11	2442	Full	16.30	17.0	16.50	17.0	16.10	16.2		
	16	2467	Full	16.30	17.0	16.50	17.0	16.10	16.2		
802.11n-HT20 MCS0	1	2412	Full	12.0	12.0	12.0	12.0	12.0	12.0	92.56	
	6	2437	Full	12.0	12.0	12.0	12.0	12.0	12.0		
	11	2462	Full	12.0	12.0	12.0	12.0	12.0	12.0		
802.11n-HT40 MCS0	3	2421	Full	14.0	14.0	14.0	14.0	14.0	14.0	87.34	
	7	2445	Full	14.0	14.0	14.0	14.0	14.0	14.0		
	15	2469	Full	14.0	14.0	14.0	14.0	14.0	14.0		
802.11ac-VHT20 MCS0	2	2417	Full	16.5	16.5	16.5	16.5	16.5	16.5	92.59	
	11	2442	Full	16.5	16.5	16.5	16.5	16.5	16.5		
	16	2467	Full	16.5	16.5	16.5	16.5	16.5	16.5		
802.11ac-VHT40 MCS0	3	2421	Full	18.0	18.0	18.0	18.0	18.0	18.0	87.34	
	7	2445	Full	18.0	18.0	18.0	18.0	18.0	18.0		
	15	2469	Full	18.0	18.0	18.0	18.0	18.0	18.0		
802.11ax-HE20 MCS0	1	2412	Full	12.00	13.0	12.80	13.0	12.47	12.0	92.56	
	6	2437	Full	12.00	13.0	12.80	13.0	12.47	12.0		
	11	2462	Full	12.00	13.0	12.80	13.0	12.47	12.0		
802.11ax-HE40 MCS0	3	2421	Full	13.50	14.0	13.30	14.0	12.83	13.5	87.34	
	7	2445	Full	13.50	14.0	13.30	14.0	12.83	13.5		
	15	2469	Full	13.50	14.0	13.30	14.0	12.83	13.5		

<5GHz WLAN Default>

Mode	Channel	Frequency (MHz)	RU Config	dBm			dBm			Power Setting	Duty Cycle %
				Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit		
802.11a 6Mbps	36	5180	Full	14.81	15.5	14.61	15.5	14.21	14.5	96.97	
	44	5200	Full	14.81	15.5	14.61	15.5	14.21	14.5		
	48	5220	Full	14.81	15.5	14.61	15.5	14.21	14.5		
802.11n-HT20 MCS0	36	5180	Full	16.5	16.5	16.5	16.5	16.5	16.5	92.59	
	44	5200	Full	16.5	16.5	16.5	16.5	16.5	16.5		
	48	5220	Full	16.5	16.5	16.5	16.5	16.5	16.5		
802.11n-HT40 MCS0	36	5180	Full	18.0	18.0	18.0	18.0	18.0	18.0	87.36	
	44	5200	Full	18.0	18.0	18.0	18.0	18.0	18.0		
	48	5220	Full	18.0	18.0	18.0	18.0	18.0	18.0		
802.11ac-VHT20 MCS0	36	5180	Full	18.5	18.5	18.5	18.5	18.5	18.5	92.59	
	44	5200	Full	18.5	18.5	18.5	18.5	18.5	18.5		
	48	5220	Full	18.5	18.5	18.5	18.5	18.5	18.5		
802.11ac-VHT40 MCS0	36	5180	Full	19.5	19.5	19.5	19.5	19.5	19.5	87.36	
	44	5200	Full	19.5	19.5	19.5	19.5	19.5	19.5		
	48	5220	Full	19.5	19.5	19.5	19.5	19.5	19.5		
802.11ax-HE20 MCS0	36	5180	Full	13.67	14.0	13.11	14.0	12.97	13.0	92.59	
	44	5200	Full	13.67	14.0	13.11	14.0	12.97	13.0		
	48	5220	Full	13.67	14.0	13.11	14.0	12.97	13.0		
802.11ax-HE40 MCS0	36	5180	Full	15.14	15.0	14.15	15.0	14.01	14.0	87.36	
	44	5200	Full	15.14	15.0	14.15	15.0	14.01	14.0		
	48	5220	Full	15.14	15.0	14.15	15.0	14.01	14.0		

<5GHz WLAN Default>

Mode	Channel	Frequency (MHz)	RU Config	dBm			dBm			Power Setting	Duty Cycle %
				Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit		
802.11a 6Mbps	52	5300	Full	14.87	15.5	14.61	15.5	14.21	14.5	96.97	
	56	5320	Full	14.87	15.5	14.61	15.5	14.21	14.5		
	60	5340	Full	14.87	15.5	14.61	15.5	14.21	14.5		
802.11n-HT20 MCS0	52	5300	Full	16.5	16.5	16.5	16.5	16.5	16.5	92.59	
	56	5320	Full	16.5	16.5	16.5	16.5	16.5	16.5		
	60	5340	Full	16.5	16.5	16.5	16.5	16.5	16.5		
802.11n-HT40 MCS0	52	5300	Full	18.0	18.0	18.0	18.0	18.0	18.0	87.36	
	56	5320	Full	18.0	18.0	18.0	18.0	18.0	18.0		
	60	5340	Full	18.0	18.0	18.0	18.0	18.0	18.0		
802.11ac-VHT20 MCS0	52	5300	Full	18.5	18.5	18.5	18.5	18.5	18.5	92.59	
	56	5320	Full	18.5	18.5	18.5	18.5	18.5	18.5		
	60	5340	Full	18.5	18.5	18.5	18.5	18.5	18.5		
802.11ac-VHT40 MCS0	52	5300	Full	19.5	19.5	19.5	19.5	19.5	19.5	87.36	
	56	5320	Full	19.5	19.5	19.5	19.5	19.5	19.5		
	60	5340	Full	19.5	19.5	19.5	19.5	19.5	19.5		
802.11ax-HE20 MCS0	52	5300	Full	13.67	14.0	13.11	14.0	12.97	13.0	92.59	
	56	5320	Full	13.67	14.0	13.11	14.0	12.97	13.0		
	60	5340	Full	13.67	14.0	13.11	14.0	12.97	13.0		
802.11ax-HE40 MCS0	52	5300	Full	15.14	15.0	14.15	15.0	14.01	14.0	87.36	
	56	5320	Full	15.14	15.0	14.15	15.0	14.01	14.0		
	60	5340	Full	15.14	15.0	14.15	15.0	14.01	14.0		

<5GHz WLAN Default>

Mode	Channel	Frequency (MHz)	RU Config	dBm			dBm			Power Setting	Duty Cycle %
				Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit		
802.11a 6Mbps	110	5500	Full	11.34	12.0	10.95	12.5	14.12	13.5	100.00	
	124	5520	Full	11.34	12.0	10.95	12.5	14.12	13.5		
	140	5540	Full	11.34	12.0	10.95	12.5	14.12	13.5		
802.11n-HT20 MCS0	110	5500	Full	12.5	12.5	12.5	12.5	12.5	12.5	92.59	
	124	5520	Full	12.5	12.5	12.5	12.5	12.5	12.5		
	140	5540	Full	12.5	12.5	12.5	12.5	12.5	12.5		
802.11n-HT40 MCS0	110	5500	Full	14.0	14.0	14.0	14.0	14.0	14.0	87.36	
	124	5520	Full	14.0	14.0	14.0	14.0	14.0	14.0		
	140	5540	Full	14.0	14.0	14.0	14.0	14.0	14.0		
802.11ac-VHT20 MCS0	110	5500	Full	16.5	16.5	16.5	16.5	16.5	16.5	92.59	
	124	5520	Full	16.5	16.5	16.5	16.5	16.5	16.5		
	140	5540	Full	16.5	16.5	16.5	16.5	16.5	16.5		
802.11ac-VHT40 MCS0	110	5500	Full	18.0	18.0	18.0	18.0	18.0	18.0	87.36	
	124	5520	Full	18.0	18.0	18.0	18.0	18.0	18.0		
	140	5540	Full	18.0	18.0	18.0	18.0	18.0	18.0		
802.11ax-HE20 MCS0	110	5500	Full	9.89	7.0	8.52	7.0	8.61	10.0	4.5	
	124	5520	Full	9.89	7.0	8.52	7.0	8.61	10.0		
	140	5540	Full	9.89	7.0	8.52	7.0	8.61	10.0		
802.11ax-HE40 MCS0	110	5500	Full	11.30	12.0	10.45	12.5	13.61	15.0	8.5	
	124	5520	Full	11.30	12.0	10.45	12.5	13.61	15.0		
	140	5540	Full	11.30	12.0	10.45	12.5	13.61	15.0		
802.11ax-HE40 MCS0	110	5500	Full	13.67	14.0	13.11	14.0	12.97	13.0	92.59	
	124	5520	Full	13.67	14.0	13.11	14.0	12.97	13.0		
	140	5540	Full	13.67	14.0	13.11	14.0	12.97	13.0		
802.11ax-HE40 MCS0	110	5500	Full	15.14	15.0	14.15	15.0	14.01	14.0	87.36	
	124	5520	Full	15.14	15.0	14.15	15.0	14.01	14.0		
	140	5540	Full	15.14	15.0	14.15	15.0	14.01	14.0		

<5GHz WLAN Default>

Mode	Channel	Frequency (MHz)	RU Config	dBm			dBm			Power Setting	Duty Cycle %
				Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit	Average power (dBm)	Trans-Lvl Limit		
802.11a 6Mbps	148	5745	Full	12.50	14.0	13.01	14.0	15.16	17.0	11.5	
	151	5765	Full	12.50	14.0	13.01	14.0	15.16	17.0		
	154	5785	Full	12.50	14.0	13.01	14.0	15.16	17.0		
802.11n-HT20 MCS0	148	5745	Full	14.0	14.0	14.0	14.0	14.0	14.0	92.59	
	151	5765	Full	14.0	14.0	14.0	14.0	14.0	14.0		
	154	5785	Full	14.0	14.0	14.0	14.0	14.0	14.0		
802.11n-HT40 MCS0	148	5745	Full	16.0	16.0	16.0	16.0	16.0	16.0	87.36	
	151	5765	Full	16.0	16.0	16.0	16.0	16.0	16.0		
	154	5785	Full	16.0	16.0	16.0	16.0	16.0	16.0		
802.11ac-VHT20 MCS0	148	5745	Full	18.0	18.0	18.0	18.0	18.0	18.0	92.59	
	151	5765	Full	18.0	18.0	18.0	18.0	18.0	18.0		
	154	5785	Full	18.0	18.0	18.0	18.0	18.0	18.0		
802.11ac-VHT40 MCS0	148										



	Mode	Channel	Frequency		Turn-On Time	Duty Cycle %
			f ₁ (MHz)	Power (dBm)		
Bluetooth	BR / EDR 1Mbps	5	2402	13.00	13.00	78.35
		39	2441	14.30	15.00	
		73	2480	13.80	15.00	
	BR / EDR 2Mbps	5	2402	11.30	12.00	78.60
		39	2441	12.00	12.00	
		73	2480	11.60	12.00	
	BR / EDR 3Mbps	5	2402	11.30	12.00	78.87
		39	2441	12.00	12.00	
		73	2480	11.60	12.00	
	LE 1Mbps	5	2402	8.00	10.00	80.65
		19	2440	9.20	10.00	
		39	2480	8.00	10.00	
LE 2Mbps	5	2402	8.00	10.00	81.00	
	19	2440	9.20	10.00		
	39	2480	8.00	10.00		