



Default Power for WWAN

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.41	32.43	32.40	33.50	23.41	23.42	23.40	24.50
GPRS 1 Tx slot	32.40	32.42	32.36	33.50	23.40	23.42	23.36	24.50
GPRS 2 Tx slots	30.55	30.58	30.57	31.80	24.55	24.58	24.57	25.80
GPRS 3 Tx slots	28.46	28.27	28.37	29.50	24.20	24.01	24.11	25.24
GPRS 4 Tx slots	26.74	26.78	26.64	28.00	23.74	23.78	23.64	25.00
EDGE 1 Tx slot	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 2 Tx slots	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 3 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 4 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM1900_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	29.40	29.36	29.39	30.50	20.40	20.36	20.39	21.50
GPRS 1 Tx slot	29.35	29.34	29.35	30.50	20.35	20.34	20.35	21.50
GPRS 2 Tx slots	27.83	27.85	27.80	29.00	21.83	21.85	21.80	23.00
GPRS 3 Tx slots	25.95	26.04	26.00	27.00	21.69	21.78	21.74	22.74
GPRS 4 Tx slots	24.20	24.31	24.57	25.00	21.20	21.31	21.57	22.00
EDGE 1 Tx slot	25.46	25.52	25.62	26.80	16.46	16.52	16.62	17.80
EDGE 2 Tx slots	23.81	23.88	23.98	24.70	17.81	17.88	17.98	18.70
EDGE 3 Tx slots	21.63	21.72	21.80	22.50	17.37	17.46	17.54	18.24
EDGE 4 Tx slots	20.85	20.92	21.05	21.50	17.85	17.92	18.06	18.50

Band	WCDMA II_Ant13			Tune-up Limit (dBm)	WCDMA IV_Ant13			Tune-up Limit (dBm)	WCDMA V_Ant13			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	9662	1537	1638	1738	4357	4407	4458	4357	4407	4458
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4
3GPP Rel 99	AMR 12.2Kbps	22.82	22.88	22.96	24.30	22.95	22.98	22.99	24.30	23.04	22.88	23.03	24.30
3GPP Rel 99	RMC 12.2Kbps	23.00	23.05	22.96	24.30	22.98	23.05	22.94	24.30	23.09	23.10	23.05	24.30
3GPP Rel 6	HSDPA Subtest-1	21.81	21.85	21.93	23.10	22.06	21.91	22.08	23.10	21.99	22.05	22.07	23.10
3GPP Rel 6	HSDPA Subtest-2	21.95	21.89	22.07	23.10	22.03	22.11	22.04	23.10	21.88	21.97	21.92	23.10
3GPP Rel 6	HSDPA Subtest-3	21.43	21.40	21.60	22.60	21.52	21.62	21.55	22.60	21.39	21.50	21.45	22.60
3GPP Rel 6	HSDPA Subtest-4	21.43	21.39	21.59	22.60	21.50	21.62	21.54	22.60	21.37	21.48	21.44	22.60
3GPP Rel 6	DC-HSDPA Subtest-1	21.78	21.73	21.83	23.10	22.03	21.90	22.02	23.10	21.97	21.83	21.94	23.10
3GPP Rel 6	DC-HSDPA Subtest-2	21.59	21.84	22.01	23.10	21.99	21.90	21.92	23.10	21.83	21.94	21.85	23.10
3GPP Rel 6	DC-HSDPA Subtest-3	21.36	21.34	21.55	22.60	21.48	21.58	21.53	22.60	21.25	21.35	21.37	22.60
3GPP Rel 6	DC-HSDPA Subtest-4	21.38	21.27	21.44	22.60	21.45	21.50	21.46	22.60	21.36	21.38	21.32	22.60
3GPP Rel 6	HSUPA Subtest-1	21.91	21.88	21.94	23.10	21.91	22.01	21.93	23.10	21.80	21.92	21.91	23.10
3GPP Rel 6	HSUPA Subtest-2	19.90	19.91	20.03	21.10	19.95	20.12	20.00	21.10	19.97	20.04	19.91	21.10
3GPP Rel 6	HSUPA Subtest-3	20.89	20.85	20.97	22.10	20.97	21.11	20.94	22.10	20.90	20.94	20.94	22.10
3GPP Rel 6	HSUPA Subtest-4	19.93	19.87	19.98	21.10	19.95	20.11	19.90	21.10	19.98	19.96	20.09	21.10
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	22.00	23.10	22.00	22.10	21.90	23.10	21.80	21.90	22.00	23.10

Band	WCDMA II_Ant13			Tune-up Limit (dBm)	WCDMA IV_Ant13			Tune-up Limit (dBm)	WCDMA V_Ant13			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938	9662	1537	1638	1738	4357	4407	4458	4357	4407	4458
Rx Channel	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4
3GPP Rel 99	AMR 12.2Kbps	23.04	22.96	23.03	24.50	23.01	23.07	23.02	24.50	22.93	22.88	22.89	24.50
3GPP Rel 99	RMC 12.2Kbps	22.97	23.05	22.99	24.50	22.98	23.10	22.98	24.50	22.87	22.85	22.90	24.50
3GPP Rel 6	HSDPA Subtest-1	21.87	21.87	21.96	23.30	21.87	21.81	21.90	23.30	21.93	22.01	21.96	23.30
3GPP Rel 6	HSDPA Subtest-2	22.02	21.96	22.01	23.30	21.90	21.96	21.90	23.30	21.88	21.82	21.84	23.30
3GPP Rel 6	HSDPA Subtest-3	21.50	21.47	21.61	22.80	21.38	21.46	21.40	22.80	21.40	21.41	21.37	22.80
3GPP Rel 6	HSDPA Subtest-4	21.49	21.47	21.61	22.80	21.37	21.46	21.39	22.80	21.37	21.40	21.38	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	21.85	21.72	21.81	23.30	21.85	21.77	21.77	23.30	21.86	22.00	21.93	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	21.98	21.91	21.91	23.30	21.88	21.87	21.81	23.30	21.77	21.77	21.74	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	21.48	21.42	21.57	22.80	21.23	21.38	21.35	22.80	21.32	21.27	21.36	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	21.45	21.43	21.46	22.80	21.25	21.40	21.29	22.80	21.27	21.37	21.32	22.80
3GPP Rel 6	HSUPA Subtest-1	21.99	21.94	22.04	23.30	21.88	21.88	21.85	23.30	21.91	21.95	21.93	23.30
3GPP Rel 6	HSUPA Subtest-2	19.98	19.91	20.02	21.30	20.01	20.00	19.89	21.30	19.85	19.91	19.88	21.30
3GPP Rel 6	HSUPA Subtest-3	20.97	20.96	21.01	22.30	21.03	21.00	20.95	22.30	20.79	20.87	20.85	22.30
3GPP Rel 6	HSUPA Subtest-4	20.02	19.97	20.07	21.30	20.05	20.04	19.87	21.30	20.01	20.05	19.88	21.30
3GPP Rel 6	HSUPA Subtest-5	22.00	22.00	22.00	23.30	22.00	22.00	21.90	23.30	21.80	21.90	21.90	23.30

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.20	32.13	32.21	33.20	23.20	23.13	23.21	24.20
GPRS 1 Tx slot	32.19	32.08	32.11	33.20	23.19	23.08	23.11	24.20
GPRS 2 Tx slots	30.15	30.20	30.19	31.00	24.15	24.20	24.19	25.00
GPRS 3 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 4 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
EDGE 1 Tx slot	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 2 Tx slots	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 3 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 4 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	29.35	29.40	29.45	30.50	20.35	20.40	20.45	21.50
GPRS 1 Tx slot	29.32	29.30	29.35	30.50	20.32	20.30	20.35	21.50
GPRS 2 Tx slots	27.67	27.74	27.70	29.00	21.67	21.74	21.70	23.00
GPRS 3 Tx slots	25.45	25.60	25.63	26.60	21.19	21.34	21.57	22.34
GPRS 4 Tx slots	23.78	23.82	23.96	24.80	20.78	20.82	20.95	21.80
EDGE 1 Tx slot	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 2 Tx slots	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 3 Tx slots	21.18	21.24	21.60	22.30	16.92	16.98	17.34	18.04
EDGE 4 Tx slots	20.25	20.51	20.71	21.50	17.25	17.51	17.71	18.50



Band 2_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							
Frequency (MHz)				18700	18900	19100	
				1860	1880	1900	
20	QPSK	1	0	22.70	22.65	22.66	
20	QPSK	1	49	23.02	23.15	23.12	24
20	QPSK	1	98	22.96	22.96	22.93	
20	QPSK	50	0	21.83	21.95	21.91	
20	QPSK	50	24	21.78	21.90	21.75	
20	QPSK	50	50	21.72	21.77	21.80	
20	QPSK	100	0	21.80	21.90	21.80	
20	16QAM	1	0	21.77	21.62	21.77	
20	16QAM	1	49	21.59	21.61	21.60	
20	16QAM	1	98	21.68	21.69	21.65	
20	16QAM	50	0	20.81	20.91	20.98	
20	16QAM	50	24	20.78	20.82	21.09	
20	16QAM	50	50	20.71	20.80	21.01	
20	16QAM	100	0	20.80	20.81	20.99	
20	64QAM	1	0	20.92	20.88	20.85	
20	64QAM	1	49	21.10	21.09	21.06	
20	64QAM	1	98	20.76	20.85	20.81	
20	64QAM	50	0	20.01	20.04	19.96	
20	64QAM	50	24	19.87	19.88	20.11	
20	64QAM	50	50	19.83	19.83	20.12	
20	64QAM	100	0	19.87	19.90	19.93	
Channel							
Frequency (MHz)				18700	18900	19100	
				1857.5	1880	1902.5	
15	QPSK	1	0	22.53	22.55	22.49	
15	QPSK	1	37	22.92	23.03	23.02	24
15	QPSK	1	74	22.51	22.64	22.68	
15	QPSK	36	0	21.83	21.93	21.91	
15	QPSK	36	20	21.78	21.77	21.75	
15	QPSK	36	39	21.61	21.73	21.69	
15	QPSK	75	0	21.77	21.85	21.85	
15	16QAM	1	0	21.62	21.43	21.62	
15	16QAM	1	37	21.46	21.68	21.67	
15	16QAM	1	74	21.60	21.65	21.57	
15	16QAM	36	0	20.79	20.91	20.96	
15	16QAM	36	20	20.76	20.91	20.87	
15	16QAM	36	39	20.62	20.76	20.96	
15	16QAM	75	0	20.63	20.79	20.82	
15	64QAM	1	0	20.74	20.81	20.87	
15	64QAM	1	37	20.98	21.03	20.94	
15	64QAM	1	74	20.75	20.79	20.80	
15	64QAM	36	0	19.87	19.85	19.82	
15	64QAM	36	20	19.76	19.81	20.00	
15	64QAM	36	39	19.71	19.80	20.00	
15	64QAM	75	0	19.75	19.88	19.87	
Channel							
Frequency (MHz)				18650	18900	19150	
				1855	1880	1905	
10	QPSK	1	0	22.51	22.53	22.47	
10	QPSK	1	25	22.87	23.13	22.97	24
10	QPSK	1	49	22.68	22.61	22.63	
10	QPSK	25	0	21.81	21.81	21.89	
10	QPSK	25	12	21.59	21.80	21.66	
10	QPSK	25	25	21.58	21.70	21.66	
10	QPSK	50	0	21.80	21.82	21.88	
10	16QAM	1	0	21.70	21.51	21.75	
10	16QAM	1	25	21.47	21.65	21.68	
10	16QAM	1	49	21.66	21.69	21.63	
10	16QAM	25	0	20.67	20.78	20.84	
10	16QAM	25	12	20.72	20.69	21.03	
10	16QAM	25	25	20.70	20.62	21.00	
10	16QAM	50	0	20.78	20.74	20.97	
10	64QAM	1	0	20.88	20.82	20.98	
10	64QAM	1	25	21.02	21.03	20.98	
10	64QAM	1	49	20.57	20.83	20.62	
10	64QAM	25	0	19.90	20.03	19.85	
10	64QAM	25	12	19.75	19.81	19.99	
10	64QAM	25	25	19.71	19.68	20.00	
10	64QAM	50	0	19.81	19.88	19.83	
Channel							
Frequency (MHz)				18625	18900	1907.5	
				1852.5	1880	1907.5	
5	QPSK	1	0	22.63	22.58	22.59	
5	QPSK	1	12	22.93	23.07	23.03	24
5	QPSK	1	24	22.53	22.58	22.70	
5	QPSK	12	0	21.71	21.95	21.79	
5	QPSK	12	7	21.62	21.88	21.59	
5	QPSK	12	13	21.69	21.82	21.77	
5	QPSK	25	0	21.74	21.78	21.82	
5	16QAM	1	0	21.66	21.58	21.66	
5	16QAM	1	12	21.50	21.77	21.71	
5	16QAM	1	24	21.56	21.57	21.53	
5	16QAM	12	0	20.77	20.75	20.94	
5	16QAM	12	7	20.79	20.75	21.01	
5	16QAM	12	13	20.55	20.77	20.85	
5	16QAM	25	0	20.78	20.81	20.97	
5	64QAM	1	0	20.74	20.88	20.67	
5	64QAM	1	12	20.91	21.13	20.87	
5	64QAM	1	24	20.80	20.68	20.65	
5	64QAM	12	0	19.92	19.92	19.99	
5	64QAM	12	7	19.75	19.70	19.99	
5	64QAM	12	13	19.75	19.68	20.04	
5	64QAM	25	0	19.72	19.78	19.84	
Channel							
Frequency (MHz)				18615	18900	19185	
				1851.5	1880	1908.5	
3	QPSK	1	0	22.58	22.47	22.54	
3	QPSK	1	6	22.89	23.03	22.99	24
3	QPSK	1	14	22.47	22.47	22.64	
3	QPSK	8	0	21.83	21.79	21.91	
3	QPSK	8	4	21.75	21.72	21.72	
3	QPSK	8	7	21.71	21.76	21.79	
3	QPSK	15	0	21.69	21.89	21.77	
3	16QAM	1	0	21.67	21.61	21.67	
3	16QAM	1	6	21.41	21.71	21.62	
3	16QAM	1	14	21.51	21.65	21.48	
3	16QAM	8	0	20.81	20.83	20.98	
3	16QAM	8	4	20.78	20.76	21.09	
3	16QAM	8	7	20.65	20.80	20.95	
3	16QAM	15	0	20.77	20.77	20.96	
3	64QAM	1	0	20.82	20.74	20.75	
3	64QAM	1	8	21.03	21.01	20.99	
3	64QAM	1	14	20.65	20.72	20.70	
3	64QAM	8	0	19.96	19.85	19.91	
3	64QAM	8	4	19.81	19.87	20.05	
3	64QAM	8	7	19.79	19.66	20.08	
3	64QAM	15	0	19.94	19.77	19.96	
Channel							
Frequency (MHz)				18607	18900	19193	
				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.64	22.54	22.60	
1.4	QPSK	1	3	22.98	22.97	23.08	
1.4	QPSK	1	5	22.64	22.69	22.81	
1.4	QPSK	3	0	22.75	22.79	22.83	
1.4	QPSK	3	1	22.64	22.64	22.81	
1.4	QPSK	3	3	22.69	22.74	22.77	
1.4	QPSK	6	0	21.68	21.75	21.76	
1.4	16QAM	1	0	21.77	21.47	21.77	
1.4	16QAM	1	3	21.56	21.74	21.77	
1.4	16QAM	1	5	21.57	21.57	21.54	
1.4	16QAM	3	0	21.76	21.88	21.93	
1.4	16QAM	3	1	21.59	21.60	21.60	
1.4	16QAM	3	3	21.64	21.64	21.94	
1.4	16QAM	6	0	20.73	20.66	20.92	
1.4	64QAM	1	0	20.88	20.71	20.81	
1.4	64QAM	1	3	20.94	21.18	20.90	
1.4	64QAM	1	5	20.64	20.84	20.89	
1.4	64QAM	3	0	20.98	20.92	20.91	
1.4	64QAM	3	1	20.81	20.77	21.05	
1.4	64QAM	3	3	20.78	20.69	21.07	
1.4	64QAM	6	0	19.72	19.88	19.84	

Band 2_Ant31

BW (MHz)	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		
				1860	1880	1900		
20	QPSK	1	0	22.65	22.72	22.69		
20	QPSK	1	49	23.10	23.21	23.05	23.8	0
20	QPSK	1	98	22.92	22.76	22.81		
20	QPSK	50	0	21.86	21.95	21.91		
20	QPSK	50	24	21.76	21.75	21.91		
20	QPSK	50	50	21.76	21.76	21.80		
20	QPSK	100	0	21.82	21.88	21.85		
20	16QAM	1	0	21.64	21.56	21.41		
20	16QAM	1	49	21.64	21.56	21.72		
20	16QAM	1	98	21.37	21.26	21.67		
20	16QAM	50	0	20.82	20.87	20.93		
20	16QAM	50	24	20.73	20.83	21.04		
20	16QAM	50	50	20.74	20.74	21.01		
20	16QAM	100	0	20.77	20.72	20.90		
20	64QAM	1	0	20.87	20.84	20.73		
20	64QAM	1	49	21.15	21.10	21.12		</



Band 4_Ant31

Channel	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
20 QPSK 1 0	22.10	22.30	22.33	23.4	0
20 QPSK 1 49	22.61	22.85	22.60		
20 QPSK 1 99	22.29	22.35	22.60	22.4	1
20 QPSK 50 0	21.82	21.60	21.55		
20 QPSK 50 24	21.25	21.44	21.45	22.4	1
20 QPSK 50 50	21.52	21.37	21.31		
20 QPSK 100 0	21.42	21.45	21.40	21.4	2
20 16QAM 1 0	21.14	21.42	21.49		
20 16QAM 1 49	21.75	21.24	21.07	22.4	1
20 16QAM 1 99	21.13	21.08	21.09		
20 16QAM 50 0	20.41	20.55	20.67	21.4	2
20 16QAM 50 24	20.43	20.46	20.49		
20 16QAM 50 50	20.44	20.40	20.35	21.4	2
20 16QAM 100 0	20.35	20.47	20.44		
20 84QAM 1 0	20.49	20.51	20.88	21.4	2
20 84QAM 1 49	20.99	20.99	20.89		
20 84QAM 1 99	20.80	20.55	20.61	20.4	3
20 84QAM 50 0	19.18	19.40	19.51		
20 84QAM 50 24	19.37	19.35	19.40	20.4	3
20 84QAM 50 50	19.31	19.49	19.18		
20 84QAM 100 0	19.15	19.47	19.34	Tune-up limit (dBm)	MPR (dB)
Channel	20050	20113	20050	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	1717.5	1732.5	1747.5		
15 QPSK 1 0	22.04	22.27	22.27	23.4	0
15 QPSK 1 37	22.49	22.47	22.48		
15 QPSK 1 74	21.99	21.95	22.14	22.4	1
15 QPSK 36 0	21.22	21.38	21.51		
15 QPSK 36 20	21.19	21.43	21.39	21.4	2
15 QPSK 36 39	21.48	21.32	21.27		
15 QPSK 75 0	21.45	21.39	21.40	20.4	3
15 16QAM 1 0	21.14	21.39	21.49		
15 16QAM 1 37	21.70	21.11	21.01	21.4	2
15 16QAM 1 74	20.97	21.04	20.93		
15 16QAM 36 0	20.30	20.39	20.56	21.4	2
15 16QAM 36 39	20.36	20.36	20.26		
15 16QAM 36 39	20.35	20.40	20.26	20.4	3
15 16QAM 75 0	20.25	20.42	20.34		
15 84QAM 1 0	20.39	20.43	20.58	21.4	2
15 84QAM 1 37	20.83	20.69	20.64		
15 84QAM 1 74	20.44	20.53	20.45	20.4	3
15 84QAM 36 0	19.07	19.26	19.42		
15 84QAM 36 20	19.30	19.20	19.33	20.4	3
15 84QAM 36 39	19.25	19.41	19.12		
15 84QAM 75 0	19.12	19.29	19.47	Tune-up limit (dBm)	MPR (dB)
Channel	20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	1715	1732.5	1750		
10 QPSK 1 0	22.10	22.27	22.33	24	0
10 QPSK 1 25	22.49	22.58	22.48		
10 QPSK 1 49	21.99	21.90	22.94	23.4	1
10 QPSK 25 0	21.19	21.34	21.48		
10 QPSK 25 12	21.11	21.44	21.31	22.4	1
10 QPSK 25 25	21.51	21.25	21.30		
10 QPSK 50 0	21.37	21.36	21.32	22.4	1
10 16QAM 1 0	21.02	21.24	21.37		
10 16QAM 1 25	21.14	21.21	21.27	21.4	2
10 16QAM 1 49	21.07	20.96	21.03		
10 16QAM 25 0	20.40	20.36	20.66	21.4	2
10 16QAM 25 12	20.34	20.28	20.40		
10 16QAM 25 25	20.34	20.28	20.25	20.4	3
10 16QAM 50 0	20.20	20.45	20.29		
10 84QAM 1 0	20.31	20.46	20.65	21.4	2
10 84QAM 1 25	20.84	20.66	20.65		
10 84QAM 1 49	20.42	20.55	20.43	20.4	3
10 84QAM 25 0	19.04	19.38	19.37		
10 84QAM 25 12	19.36	19.17	19.39	20.4	3
10 84QAM 25 25	19.18	19.44	19.05		
10 84QAM 50 0	19.15	19.47	19.15	Tune-up limit (dBm)	MPR (dB)
Channel	19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	1712.5	1732.5	1752.5		
5 QPSK 1 0	22.07	22.16	22.30	23.4	0
5 QPSK 1 12	22.69	22.50	22.53		
5 QPSK 1 24	21.84	21.97	22.09	22.4	1
5 QPSK 12 0	21.17	21.35	21.46		
5 QPSK 12 7	21.07	21.26	21.27	21.4	2
5 QPSK 12 13	21.41	21.23	21.28		
5 QPSK 25 0	21.41	21.42	21.38	20.4	3
5 16QAM 1 0	21.05	21.34	21.40		
5 16QAM 1 12	21.74	21.10	21.05	21.4	2
5 16QAM 1 24	21.07	20.99	21.03		
5 16QAM 12 0	20.26	20.46	20.52	21.4	2
5 16QAM 12 7	20.41	20.29	20.47		
5 16QAM 12 13	20.42	20.24	20.33	20.4	3
5 16QAM 25 0	20.21	20.29	20.30		
5 84QAM 1 0	20.33	20.36	20.52	21.4	2
5 84QAM 1 12	20.87	20.65	20.68		
5 84QAM 1 24	20.44	20.45	20.45	20.4	3
5 84QAM 12 0	19.12	19.27	19.45		
5 84QAM 12 7	19.22	19.25	19.25	20.4	3
5 84QAM 12 13	19.15	19.41	19.02		
5 84QAM 25 0	19.15	19.41	19.50	Tune-up limit (dBm)	MPR (dB)
Channel	19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	1711.5	1732.5	1753.5		
3 QPSK 1 0	21.97	22.21	22.20	23.4	0
3 QPSK 1 5	22.57	22.59	22.36		
3 QPSK 1 14	21.07	21.97	21.22	22.4	1
3 QPSK 8 0	21.25	21.25	21.54		
3 QPSK 8 4	21.16	21.44	21.36	21.4	2
3 QPSK 8 7	21.34	21.20	21.13		
3 QPSK 15 0	21.43	21.26	21.38	20.4	3
3 16QAM 1 0	21.07	21.26	21.42		
3 16QAM 1 5	21.61	21.23	20.92	21.4	2
3 16QAM 1 14	21.07	21.06	21.03		
3 16QAM 8 0	20.32	20.54	20.58	21.4	2
3 16QAM 8 4	20.38	20.39	20.44		
3 16QAM 8 7	20.27	20.21	20.18	20.4	3
3 16QAM 15 0	20.32	20.33	20.41		
3 84QAM 1 0	20.45	20.40	20.44	21.4	2
3 84QAM 1 8	20.81	20.66	20.62		
3 84QAM 1 14	20.51	20.47	20.52	20.4	3
3 84QAM 8 0	19.05	19.33	19.38		
3 84QAM 8 4	19.21	19.16	19.24	20.4	3
3 84QAM 8 7	19.23	19.34	19.10		
3 84QAM 15 0	19.13	19.45	19.49	Tune-up limit (dBm)	MPR (dB)
Channel	19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	1710.7	1732.5	1754.3		
1.4 QPSK 1 0	22.05	22.24	22.28	23.4	0
1.4 QPSK 1 3	22.50	22.55	22.49		
1.4 QPSK 1 5	21.87	21.99	22.02	22.4	1
1.4 QPSK 3 0	22.33	22.34	22.62		
1.4 QPSK 3 1	22.18	22.25	22.38	21.4	2
1.4 QPSK 3 3	22.49	22.19	22.28		
1.4 QPSK 6 0	21.43	21.42	21.38	20.4	3
1.4 16QAM 1 0	21.11	21.36	21.46		
1.4 16QAM 1 3	21.73	21.13	21.04	21.4	2
1.4 16QAM 1 5	20.98	21.00	20.94		
1.4 16QAM 3 0	21.27	21.47	21.53	20.4	3
1.4 16QAM 3 1	21.43	21.35	21.49		
1.4 16QAM 3 3	21.41	21.26	21.32	21.4	2
1.4 16QAM 6 0	20.20	20.39	20.29		
1.4 84QAM 1 0	20.40	20.51	20.59	21.4	2
1.4 84QAM 1 3	20.99	20.54	20.80		
1.4 84QAM 1 5	20.48	20.42	20.49	20.4	3
1.4 84QAM 3 0	20.14	20.21	20.47		
1.4 84QAM 3 1	20.18	20.29	20.21	20.4	3
1.4 84QAM 3 3	20.19	20.32	20.06		
1.4 84QAM 6 0	19.07	19.36	19.42	Tune-up limit (dBm)	MPR (dB)

Band 5_Ant13

Channel	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
10 QPSK 1 0	22.40	22.40	22.52	24	0
10 QPSK 1 25	22.80	22.99	22.94		
10 QPSK 1 49	22.81	22.42	22.80	23	1
10 QPSK 25 0	21.71	21.82	21.67		
10 QPSK 25 12	21.67	21.64	21.80	23	1
10 QPSK 25 25	21.72	21.64	21.79		
10 QPSK 50 0	21.69	21.78	21.77	23	1
10 16QAM 1 0	21.62	22.19	21.92		
10 16QAM 1 25	21.95	21.53	21.80	22	2
10 16QAM 1 49	21.82	21.78	21.84		
10 16QAM 25 0	20.83	20.89	20.62	22	2
10 16QAM 25 12	20.72	20.79	20.72		
10 16QAM 25 25	20.56	20.59	20.70	22	2
10 16QAM 50 0	20.51	20.62	20.80		
10 84QAM 1 0	20.80	20.74	20.70	22	2
10 84QAM 1 25	20.79	20.82	21.00		
10 84QAM 1 49	20.72	20.86	20.69	21	3
10 84QAM 25 0	19.88	19.87	19.82		
10 84QAM 25 12	19.89	19.72	19.97	21	3
10 84QAM 25 25	19.84	19.70	19.89		
10 84QAM 50 0	20.45	19.72	19.75	Tune-up limit (dBm)	MPR (dB)
Channel	20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	825	836.5	844		
5 QPSK 1 0	22.29	22.21	22.41	24	0
5 QPSK 1 12	22.73	22.83	22.87		
5 QPSK 1 24	22.68	22.42	22.47	23	1
5 QPSK 12 0	21.55	21.69	21.51		
5 QPSK 12 7	21.59	21.54	21.72	23	1
5 QPSK 12 13	21.68	21.54	21.76		
5 QPSK 25 0	21.54	21.62	21.62	23	1
5 16QAM 1 0	21.50	22.08	21.80		
5 16QAM 1 12	21.91	21.47	21.76	22	2
5 16QAM 1 24	21.67	21.73	21.69		
5 16QAM 12 0	20.72	20.83	20.51	22	2
5 16QAM 12 7	20.58	20.66	20.54		
5 16QAM 12 13	20.37	20.42	20.51	21	3
5 16QAM 25 0	20.43	20.67	20.72		
5 84QAM 1 0	20.68	20.71	20.58	22	2
5 84QAM 1 12	20.72	20.80	20.93		
5 84QAM 1 24	20.66	20.81			



Band 7_Ant13

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)					
20	20850	21100	21350	24	0
20	2510	2535	2560		
20	2277	2280	2278		
20	20850	21100	21350	23	1
20	2510	2535	2560		
20	2277	2280	2278		
20	20850	21100	21350	23	1
20	2510	2535	2560		
20	2277	2280	2278		
20	20850	21100	21350	22	2
20	2510	2535	2560		
20	2277	2280	2278		
20	20850	21100	21350	22	2
20	2510	2535	2560		
20	2277	2280	2278		
20	20850	21100	21350	21	3
20	2510	2535	2560		
20	2277	2280	2278		
Channel					
Frequency (MHz)					
15	2507.5	2535	2562.5	24	0
15	2276	2271	2277		
15	2305	2310	2276		
15	2507.5	2535	2562.5	23	1
15	2276	2271	2277		
15	2305	2310	2276		
15	2507.5	2535	2562.5	23	1
15	2276	2271	2277		
15	2305	2310	2276		
15	2507.5	2535	2562.5	22	2
15	2276	2271	2277		
15	2305	2310	2276		
15	2507.5	2535	2562.5	21	3
15	2276	2271	2277		
15	2305	2310	2276		
Channel					
Frequency (MHz)					
10	20800	21100	21400	24	0
10	2505	2535	2565		
10	2273	2276	2274		
10	20800	21100	21400	23	1
10	2505	2535	2565		
10	2273	2276	2274		
10	20800	21100	21400	23	1
10	2505	2535	2565		
10	2273	2276	2274		
10	20800	21100	21400	22	2
10	2505	2535	2565		
10	2273	2276	2274		
10	20800	21100	21400	21	3
10	2505	2535	2565		
10	2273	2276	2274		
Channel					
Frequency (MHz)					
5	2507.5	2535	2567.5	24	0
5	2275	2282	2278		
5	2301	2305	2283		
5	2507.5	2535	2567.5	23	1
5	2275	2282	2278		
5	2301	2305	2283		
5	2507.5	2535	2567.5	23	1
5	2275	2282	2278		
5	2301	2305	2283		
5	2507.5	2535	2567.5	22	2
5	2275	2282	2278		
5	2301	2305	2283		
5	2507.5	2535	2567.5	22	2
5	2275	2282	2278		
5	2301	2305	2283		
5	2507.5	2535	2567.5	21	3
5	2275	2282	2278		
5	2301	2305	2283		

Band 7_Ant31

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)					
20	20850	21100	21350	23.7	0
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	22.7	1
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	22.7	1
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	22.7	1
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	21.7	2
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	21.7	2
20	2510	2535	2560		
20	2283	2285	2277		
20	20850	21100	21350	20.7	3
20	2510	2535	2560		
20	2283	2285	2277		
Channel					
Frequency (MHz)					
15	2507.5	2535	2562.5	23.7	0
15	2269	2261	2271		
15	2270	2276	2274		
15	2507.5	2535	2562.5	22.7	1
15	2269	2261	2271		
15	2270	2276	2274		
15	2507.5	2535	2562.5	22.7	1
15	2269	2261	2271		
15	2270	2276	2274		
15	2507.5	2535	2562.5	21.7	2
15	2269	2261	2271		
15	2270	2276	2274		
15	2507.5	2535	2562.5	21.7	2
15	2269	2261	2271		
15	2270	2276	2274		
15	2507.5	2535	2562.5	20.7	3
15	2269	2261	2271		
15	2270	2276	2274		
Channel					
Frequency (MHz)					
10	20800	21100	21400	23.7	0
10	2505	2535	2565		
10	2268	2266	2270		
10	20800	21100	21400	22.7	1
10	2505	2535	2565		
10	2268	2266	2270		
10	20800	21100	21400	22.7	1
10	2505	2535	2565		
10	2268	2266	2270		
10	20800	21100	21400	21.7	2
10	2505	2535	2565		
10	2268	2266	2270		
10	20800	21100	21400	21.7	2
10	2505	2535	2565		
10	2268	2266	2270		
10	20800	21100	21400	20.7	3
10	2505	2535	2565		
10	2268	2266	2270		
Channel					
Frequency (MHz)					
5	2507.5	2535	2567.5	23.7	0
5	2268	2275	2269		
5	2280	2280	2269		
5	2507.5	2535	2567.5	22.7	1
5	2268	2275	2269		
5	2280	2280	2269		
5	2507.5	2535	2567.5	22.7	1
5	2268	2275	2269		
5	2280	2280	2269		
5	2507.5	2535	2567.5	21.7	2
5	2268	2275	2269		
5	2280	2280	2269		
5	2507.5	2535	2567.5	21.7	2
5	2268	2275	2269		
5	2280	2280	2269		
5	2507.5	2535	2567.5	20.7	3
5	2268	2275	2269		
5	2280	2280	2269		

Band 13_Ant13

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)					
10	23200	23300	23400	23.5	0
10	762	762	762		
10	2208	2199	2211		
10	23200	23300	23400	22.5	1
10	762	762	762		
10	2208	2199	2211		
10	23200	23300	23400	22.5	1
10	762	762	762		
10	2208	2199	2211		
10	23200	23300	23400	21.5	2
10	762	762	762		
10	2208	2199	2211		
10	23200	23300	23400	21.5	2
10	762	762	762		
10	2208	2199	2211		
10	23200	23300	23400	20.5	3
10	762	762	762		
10	2208	2199	2211		
Channel					
Frequency (MHz)					
5	23200	23300	23350	23.5	0
5	729.5	762	794.5		
5	2208	2199	2211		
5	23200	23300	23350	22.5	1
5	729.5	762	794.5		
5	2208	2199	2211		
5	23200	23300	23350	22.5	1
5	729.5	762	794.5		
5	2208	2199	2211		
5	23200	23300	23350	21.5	2
5	729.5	762	794.5		
5	2208	2199	2211		
5	23200	23300	23350	21.5	2
5	729.5	762	794.5		
5	2208	2199	2211		
5	23200	23300	23350	20.5	3
5	729.5	762	794.5		
5	2208	2199	2211		



Band 13_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							2320	
Frequency (MHz)							782	
10	QPSK	1	0	21.58			23.3	0
10	QPSK	1	25	21.92				
10	QPSK	1	49	21.83				
10	QPSK	25	0	20.98			22.3	1
10	QPSK	25	12	20.85				
10	QPSK	25	25	20.95				
10	QPSK	50	0	20.98			22.3	1
10	16QAM	1	0	21.03				
10	16QAM	1	25	20.99				
10	16QAM	1	49	20.56			21.3	2
10	16QAM	25	0	19.95				
10	16QAM	25	12	20.08				
10	16QAM	25	25	19.92			21.3	2
10	16QAM	50	0	20.05				
10	64QAM	1	0	19.88				
10	64QAM	1	25	19.96			21.3	2
10	64QAM	1	49	19.98				
10	64QAM	25	0	18.94				
10	64QAM	25	12	18.80			20.3	3
10	64QAM	25	25	18.86				
10	64QAM	50	0	18.96				
Channel							23205	
Frequency (MHz)							779.5	
5	QPSK	1	0	21.84	21.55	21.57	23.3	0
5	QPSK	1	12	21.83	21.79	21.75		
5	QPSK	1	24	21.75	21.82	21.72		
5	QPSK	12	0	20.85	20.86	20.80	22.3	1
5	QPSK	12	7	20.96	20.89	20.91		
5	QPSK	12	13	21.00	21.05	20.93		
5	QPSK	25	0	20.97	20.91	21.04	22.3	1
5	16QAM	1	0	21.06	21.05	20.99		
5	16QAM	1	12	20.91	20.98	20.86		
5	16QAM	1	24	20.58	20.60	20.57	21.3	2
5	16QAM	12	0	19.96	19.90	19.91		
5	16QAM	12	7	19.99	20.01	20.05		
5	16QAM	12	13	20.01	20.08	19.99	21.3	2
5	16QAM	25	0	19.99	20.06	19.90		
5	64QAM	1	0	19.87	19.94	19.84		
5	64QAM	1	12	20.07	20.08	20.12	20.3	3
5	64QAM	1	24	20.05	19.95	20.09		
5	64QAM	12	0	18.88	18.96	18.97		
5	64QAM	12	7	18.87	18.86	18.80	20.3	3
5	64QAM	12	13	18.84	18.99	18.93		
5	64QAM	25	0	19.05	18.92	18.99		

Band 26_Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel							26765	
Frequency (MHz)							821.5	
15	QPSK	1	0	22.83	22.61	22.99	24	0
15	QPSK	1	37	23.22	23.28	23.25		
15	QPSK	1	74	23.05	22.76	23.01		
15	QPSK	36	0	21.91	22.15	22.08	23	1
15	QPSK	36	20	21.99	21.94	22.10		
15	QPSK	36	39	22.03	22.04	22.10		
15	QPSK	75	0	22.03	22.05	22.00	23	1
15	16QAM	1	0	21.79	21.70	21.80		
15	16QAM	1	37	22.60	22.00	22.15		
15	16QAM	1	74	21.56	21.88	21.85	22	2
15	16QAM	36	0	20.72	20.76	20.95		
15	16QAM	36	20	20.87	20.82	21.10		
15	16QAM	36	39	20.82	20.96	21.01	22	2
15	16QAM	75	0	21.01	20.97	20.95		
15	64QAM	1	0	20.90	20.83	21.24		
15	64QAM	1	37	20.88	21.13	21.20	22	2
15	64QAM	1	74	20.97	21.00	20.94		
15	64QAM	36	0	20.00	19.93	20.06		
15	64QAM	36	20	19.89	20.00	20.21	21	3
15	64QAM	36	39	20.08	20.06	19.96		
15	64QAM	75	0	19.96	20.09	20.36		
Channel							26760	
Frequency (MHz)							819	
10	QPSK	1	0	22.74	22.59	22.90	24	0
10	QPSK	1	25	23.13	23.10	23.16		
10	QPSK	1	49	22.90	22.62	22.86		
10	QPSK	25	0	21.73	22.02	21.90	23	1
10	QPSK	25	12	21.94	21.88	22.05		
10	QPSK	25	25	21.97	21.90	22.04		
10	QPSK	50	0	22.03	22.04	22.00	23	1
10	16QAM	1	0	21.60	21.63	21.61		
10	16QAM	1	25	21.97	21.95	22.04		
10	16QAM	1	49	21.53	21.73	21.82	22	2
10	16QAM	25	0	20.53	20.63	20.76		
10	16QAM	25	12	20.62	20.60	21.10		
10	16QAM	25	25	20.65	20.88	20.84	22	2
10	16QAM	50	0	21.01	20.97	20.95		
10	64QAM	1	0	20.80	20.73	21.14		
10	64QAM	1	25	20.87	21.05	21.19	22	2
10	64QAM	1	49	20.79	20.91	20.76		
10	64QAM	25	0	18.95	19.25	19.10		
10	64QAM	25	12	18.81	19.95	20.13	21	3
10	64QAM	25	25	19.98	20.00	19.86		
10	64QAM	50	0	19.80	20.06	20.20		
Channel							26715	
Frequency (MHz)							816.5	
5	QPSK	1	0	22.75	22.46	22.91	24	0
5	QPSK	1	12	23.09	23.11	23.12		
5	QPSK	1	24	22.91	22.62	22.87		
5	QPSK	12	0	21.73	22.10	21.90	23	1
5	QPSK	12	7	21.83	21.82	21.94		
5	QPSK	12	13	21.84	21.88	21.91		
5	QPSK	25	0	22.02	21.91	21.99	23	1
5	16QAM	1	0	21.68	21.61	21.69		
5	16QAM	1	12	22.01	21.81	22.08		
5	16QAM	1	24	21.50	21.80	21.79	22	2
5	16QAM	12	0	20.57	20.69	20.80		
5	16QAM	12	7	20.69	20.65	20.92		
5	16QAM	12	13	20.81	20.88	21.00	22	2
5	16QAM	25	0	20.93	20.90	20.87		
5	64QAM	1	0	20.75	20.75	21.07		
5	64QAM	1	12	20.70	21.12	21.02	22	2
5	64QAM	1	24	20.95	20.82	20.92		
5	64QAM	12	0	19.89	19.86	19.95		
5	64QAM	12	7	19.73	19.88	20.05	21	3
5	64QAM	12	13	20.00	19.93	19.88		
5	64QAM	25	0	19.84	20.00	20.34		
Channel							26705	
Frequency (MHz)							815.5	
3	QPSK	1	0	22.64	22.49	22.80	24	0
3	QPSK	1	8	23.15	23.11	23.18		
3	QPSK	1	14	22.93	22.66	22.89		
3	QPSK	8	0	21.73	22.05	21.90	23	1
3	QPSK	8	4	21.90	21.76	22.01		
3	QPSK	8	7	21.90	21.66	22.00		
3	QPSK	15	0	21.87	21.90	21.84	23	1
3	16QAM	1	0	21.65	21.59	21.66		
3	16QAM	1	8	22.02	21.83	22.09		
3	16QAM	1	14	21.49	21.75	21.78	22	2
3	16QAM	8	0	20.70	20.59	20.93		
3	16QAM	8	4	20.72	20.70	20.95		
3	16QAM	8	7	20.65	20.90	20.84	22	2
3	16QAM	15	0	20.85	20.81	20.79		
3	64QAM	1	0	20.76	20.77	21.10		
3	64QAM	1	8	20.83	21.03	21.15	22	2
3	64QAM	1	14	20.95	20.96	20.92		
3	64QAM	8	0	19.96	19.88	20.02		
3	64QAM	8	4	19.75	20.00	20.07	21	3
3	64QAM	8	7	19.93	19.89	19.81		
3	64QAM	15	0	19.77	20.07	20.17		
Channel							26697	
Frequency (MHz)							814.7	
1.4	QPSK	1	0	22.82	22.51	22.98	24	0
1.4	QPSK	1	3	23.06	23.20	23.09		
1.4	QPSK	1	5	22.89	22.74	22.85		
1.4	QPSK	3	0	22.79	23.08	22.96	23	1
1.4	QPSK	3	1	22.93	22.82	23.04		
1.4	QPSK	3	3	23.02	22.94	23.09		
1.4	QPSK	6	0	21.94	21.94	21.91	23	1
1.4	16QAM	1	0	21.68	21.56	21.69		
1.4	16QAM	1	3	21.69	21.88	21.96		
1.4	16QAM	1	5	21.51	21.78	21.80	23	1
1.4	16QAM	3	0	21.59	21.72	21.82		
1.4	16QAM	3	1	21.79	21.78	22.02		
1.4	16QAM	3	3	21.63	21.91	21.82	22	2
1.4	16QAM	6	0	20.92	20.88	20.86		
1.4	64QAM	1	0	20.71	20.74	21.05		
1.4	64QAM	1	3	20.85	21.12	21.17	22	2
1.4	64QAM	1	5	20.82	20.90	20.79		
1.4	64QAM	3	0	20.97	20.91	21.03		
1.4	64QAM	3	1	20.87	20.89	21.19	21	3
1.4	64QAM	3	3	21.08	21.02	20.96		
1.4	64QAM	6	0	19.83	19.98	20.23		

Band 26_Ant31



Band 66_Ant13									
BW (MHz)	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	22.58	22.87	22.53			
20	QPSK	1	49	22.90	23.15	22.72	24	0	
20	QPSK	1	99	22.59	22.98	22.48			
20	QPSK	50	0	21.96	22.17	21.85			
20	QPSK	50	24	21.94	22.16	21.75			
20	QPSK	50	50	21.97	22.14	21.88	23	1	
20	QPSK	100	0	21.88	22.21	21.79			
20	16QAM	1	0	21.75	22.14	21.75			
20	16QAM	1	49	21.69	21.83	21.70	23	1	
20	16QAM	1	99	21.77	21.95	21.86			
20	16QAM	50	0	20.86	20.98	20.86			
20	16QAM	50	24	20.95	21.11	20.79	22	2	
20	16QAM	50	50	20.95	21.21	20.75			
20	16QAM	100	0	20.89	21.18	20.78			
20	64QAM	1	0	21.00	21.26	21.09			
20	64QAM	1	49	21.35	21.40	21.30	22	2	
20	64QAM	1	99	21.01	21.47	20.88			
20	64QAM	50	0	19.80	20.20	19.83			
20	64QAM	50	24	19.88	20.12	19.67	21	3	
20	64QAM	50	50	19.91	20.10	19.82			
20	64QAM	100	0	19.91	20.15	19.82			
Channel				132047	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.47	22.87	22.42			
15	QPSK	1	37	22.71	23.13	22.53	24	0	
15	QPSK	1	74	22.54	22.88	22.43			
15	QPSK	36	0	21.82	22.14	21.71			
15	QPSK	36	20	21.80	22.00	21.81	23	1	
15	QPSK	36	39	21.95	22.09	21.68			
15	QPSK	75	0	21.83	22.16	21.74			
15	16QAM	1	0	21.70	22.14	21.70			
15	16QAM	1	37	21.58	21.81	21.59	23	1	
15	16QAM	1	74	21.76	21.83	21.87			
15	16QAM	36	0	20.83	20.94	20.83			
15	16QAM	36	20	20.92	21.02	20.76	22	2	
15	16QAM	36	39	20.95	21.21	20.75			
15	16QAM	75	0	20.84	21.09	20.73			
15	64QAM	1	0	20.88	21.08	20.97			
15	64QAM	1	37	21.27	21.33	21.22	22	2	
15	64QAM	1	74	20.83	21.36	20.70			
15	64QAM	36	0	19.51	20.08	19.64			
15	64QAM	36	20	19.70	20.10	19.49	21	3	
15	64QAM	36	39	19.91	20.08	19.82			
15	64QAM	75	0	19.81	20.07	19.82			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.56	22.72	22.51			
10	QPSK	1	25	22.77	23.06	22.59	24	0	
10	QPSK	1	49	22.44	22.97	22.33			
10	QPSK	25	0	21.78	22.14	21.87			
10	QPSK	25	12	21.79	21.98	21.60	23	1	
10	QPSK	25	25	21.82	22.04	21.53			
10	QPSK	50	0	21.71	22.05	21.62			
10	16QAM	1	0	21.73	22.12	21.73	23	1	
10	16QAM	1	25	21.58	21.77	21.67			
10	16QAM	1	49	21.85	21.76	21.76			
10	16QAM	25	0	20.83	20.96	20.83			
10	16QAM	25	12	20.87	20.98	20.71	22	2	
10	16QAM	25	25	20.78	21.06	20.58			
10	16QAM	50	0	20.70	21.04	20.56			
10	64QAM	1	0	20.87	21.08	20.98			
10	64QAM	1	25	21.18	21.28	21.13	22	2	
10	64QAM	1	49	20.99	21.43	20.86			
10	64QAM	25	0	19.67	20.03	19.70			
10	64QAM	25	12	19.79	20.02	19.58	21	3	
10	64QAM	25	25	19.83	19.99	19.74			
10	64QAM	50	0	19.91	20.11	19.82			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.46	22.79	22.41			
5	QPSK	1	12	22.71	23.12	22.53	24	0	
5	QPSK	1	24	22.40	22.87	22.29			
5	QPSK	12	0	21.83	22.17	21.72			
5	QPSK	12	7	21.78	22.09	21.59	23	1	
5	QPSK	12	13	21.85	21.97	21.66			
5	QPSK	25	0	21.88	22.16	21.79			
5	16QAM	1	0	21.67	22.01	21.67			
5	16QAM	1	12	21.60	21.76	21.61	23	1	
5	16QAM	1	24	21.76	21.95	21.87			
5	16QAM	12	0	20.78	20.98	20.78			
5	16QAM	12	7	20.89	21.05	20.73	22	2	
5	16QAM	12	13	20.91	21.07	20.71			
5	16QAM	25	0	20.83	21.03	20.72			
5	64QAM	1	0	20.83	21.19	20.92			
5	64QAM	1	12	21.28	21.32	21.23	22	2	
5	64QAM	1	24	20.99	21.33	20.86			
5	64QAM	12	0	19.79	20.11	19.82			
5	64QAM	12	7	19.76	20.11	19.58	21	3	
5	64QAM	12	13	19.75	19.95	19.66			
5	64QAM	25	0	19.81	20.14	19.82			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.44	22.72	22.39			
3	QPSK	1	6	22.71	23.11	22.53	24	0	
3	QPSK	1	14	22.54	22.93	22.43			
3	QPSK	8	0	21.86	22.15	21.75			
3	QPSK	8	4	21.81	22.09	21.62	23	1	
3	QPSK	8	7	21.94	22.06	21.65			
3	QPSK	15	0	21.71	22.14	21.62			
3	16QAM	1	0	21.60	22.03	21.60	23	1	
3	16QAM	1	8	21.52	21.81	21.53			
3	16QAM	1	14	21.76	21.85	21.87			
3	16QAM	8	0	20.86	20.87	20.86			
3	16QAM	8	4	20.76	20.92	20.60	22	2	
3	16QAM	8	7	20.87	21.08	20.67			
3	16QAM	15	0	20.80	21.02	20.69			
3	64QAM	1	0	20.88	21.25	20.85			
3	64QAM	1	8	21.21	21.25	21.16	22	2	
3	64QAM	1	14	20.83	21.28	20.70			
3	64QAM	8	0	19.73	20.09	19.76			
3	64QAM	8	4	19.72	20.02	19.51	21	3	
3	64QAM	8	7	19.90	19.91	19.81			
3	64QAM	15	0	19.79	19.99	19.80			
Channel				131970	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.51	22.75	22.46			
1.4	QPSK	1	3	22.81	23.07	22.63			
1.4	QPSK	1	5	22.45	22.94	22.34	24	0	
1.4	QPSK	3	0	22.80	23.04	22.69			
1.4	QPSK	3	1	22.76	23.03	22.57			
1.4	QPSK	3	3	22.90	22.95	22.61			
1.4	QPSK	6	0	21.73	22.09	21.64	23	1	
1.4	16QAM	1	0	21.70	22.13	21.70			
1.4	16QAM	1	3	21.85	21.81	21.66			
1.4	16QAM	1	5	21.76	21.95	21.87	23	1	
1.4	16QAM	3	0	21.80	21.83	21.80			
1.4	16QAM	3	1	21.87	21.98	21.71			
1.4	16QAM	3	3	21.80	22.14	21.60			
1.4	16QAM	6	0	20.76	20.99	20.65	22	2	
1.4	64QAM	1	0	20.89	21.24	20.58			
1.4	64QAM	1	3	21.25	21.33	21.20			
1.4	64QAM	1	5	20.92	21.32	20.79	22	2	
1.4	64QAM	3	0	20.75	21.19	20.78			
1.4	64QAM	3	1	20.87	21.08	20.66			
1.4	64QAM	3	3	20.85	20.92	20.76			
1.4	64QAM	6	0	19.72	20.12	19.73	21	3	

Band 66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.					



Band 38_Ant 13								
BW [MHz]	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	23.13	22.76	22.99	24.3	0
20	QPSK	1	49	23.10	23.18	23.06		
20	QPSK	1	99	23.14	22.89	23.10	23.3	1
20	QPSK	50	0	22.07	22.22	21.97		
20	QPSK	50	24	22.16	22.06	21.97	22.3	2
20	QPSK	50	50	22.11	22.13	22.10		
20	QPSK	100	0	22.15	22.20	22.11	22.3	1
20	16QAM	1	0	21.45	21.43	21.64		
20	16QAM	1	49	21.82	21.50	21.74	22.3	1
20	16QAM	1	99	21.78	21.55	21.63		
20	16QAM	50	0	21.20	20.94	21.06	22.3	2
20	16QAM	50	24	21.43	20.96	21.45		
20	16QAM	50	50	21.43	20.86	21.42	22.3	2
20	16QAM	100	0	21.17	20.86	21.01		
20	64QAM	1	0	20.90	21.06	20.99	22.3	2
20	64QAM	1	49	21.43	21.22	21.33		
20	64QAM	1	99	21.11	21.20	21.18	21.3	3
20	64QAM	50	0	21.20	20.87	21.00		
20	64QAM	50	24	21.15	20.90	21.08	21.3	3
20	64QAM	50	50	20.88	20.97	21.05		
20	64QAM	100	0	20.46	20.97	21.04		
Channel				37825	38000	38175		
Frequency (MHz)				2677.5	2695	2712.5		
15	QPSK	1	0	22.94	22.87	22.80	24.3	0
15	QPSK	1	37	23.10	22.97	23.06		
15	QPSK	1	74	23.12	22.81	23.05	23.3	1
15	QPSK	36	0	21.94	22.22	21.84		
15	QPSK	36	20	22.17	21.99	21.86	23.3	1
15	QPSK	36	39	22.11	21.69	21.83		
15	QPSK	75	0	22.16	21.84	21.98	23.3	1
15	16QAM	1	0	21.40	21.37	21.59		
15	16QAM	1	37	21.74	21.43	21.66	23.3	1
15	16QAM	1	74	21.72	21.37	21.57		
15	16QAM	36	0	21.04	20.85	20.90	22.3	2
15	16QAM	36	20	21.32	20.85	21.34		
15	16QAM	36	39	21.33	20.81	21.32	22.3	2
15	16QAM	75	0	21.00	20.78	20.84		
15	64QAM	1	0	20.82	20.92	20.91	22.3	2
15	64QAM	1	37	21.38	21.03	21.28		
15	64QAM	1	74	20.92	21.16	20.90	21.3	3
15	64QAM	36	0	21.06	20.70	20.86		
15	64QAM	36	20	21.00	20.77	20.93	21.3	3
15	64QAM	36	39	20.88	20.92	21.05		
15	64QAM	75	0	20.33	20.96	20.91		
Channel				37800	38000	38200		
Frequency (MHz)				2675	2695	2715		
10	QPSK	1	0	23.07	22.70	22.93	24.3	0
10	QPSK	1	25	22.94	22.99	22.90		
10	QPSK	1	49	23.17	22.82	23.11	23.3	1
10	QPSK	25	0	21.92	22.21	21.82		
10	QPSK	25	12	22.13	21.98	21.82	23.3	1
10	QPSK	25	25	22.09	21.82	22.16		
10	QPSK	50	0	22.14	21.79	21.96	23.3	1
10	16QAM	1	0	21.40	21.39	21.59		
10	16QAM	1	25	21.88	21.33	21.60	22.3	2
10	16QAM	1	49	21.63	21.37	21.48		
10	16QAM	25	0	21.01	20.92	20.87	22.3	2
10	16QAM	25	12	21.38	20.86	21.40		
10	16QAM	25	25	21.27	20.80	21.26	22.3	2
10	16QAM	50	0	21.11	20.77	20.95		
10	64QAM	1	0	20.83	20.99	20.92	22.3	2
10	64QAM	1	25	21.28	21.14	21.18		
10	64QAM	1	49	21.00	21.09	21.07	21.3	3
10	64QAM	25	0	21.04	20.85	20.84		
10	64QAM	25	12	21.15	20.72	21.08	21.3	3
10	64QAM	25	25	20.83	20.79	21.00		
10	64QAM	50	0	20.40	20.81	20.98		
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.00	22.74	22.86	24.3	0
5	QPSK	1	12	22.92	23.00	22.88		
5	QPSK	1	24	23.05	22.77	23.07	23.3	1
5	QPSK	12	0	21.88	22.05	21.78		
5	QPSK	12	7	22.21	22.02	21.90	23.3	1
5	QPSK	12	13	22.24	21.70	22.31		
5	QPSK	25	0	22.15	21.66	21.97	23.3	1
5	16QAM	1	0	21.44	21.30	21.63		
5	16QAM	1	12	21.82	21.49	21.74	22.3	2
5	16QAM	1	24	21.88	21.47	21.53		
5	16QAM	12	0	21.03	20.79	20.89	22.3	2
5	16QAM	12	7	21.25	20.81	21.27		
5	16QAM	12	13	21.26	20.81	21.25	22.3	2
5	16QAM	25	0	21.09	20.72	20.93		
5	64QAM	1	0	20.88	20.97	20.97	22.3	2
5	64QAM	1	12	21.29	21.15	21.19		
5	64QAM	1	24	20.92	21.19	20.99	21.3	3
5	64QAM	12	0	21.09	20.88	20.89		
5	64QAM	12	7	21.10	20.88	21.03	21.3	3
5	64QAM	12	13	20.87	20.89	21.04		
5	64QAM	25	0	20.37	20.86	20.95		

Band 38_Ant 31								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.81	22.96	22.90	24.1	0
20	QPSK	1	49	23.15	23.20	23.19		
20	QPSK	1	99	23.07	22.99	22.86	23.1	1
20	QPSK	50	0	22.10	22.15	22.13		
20	QPSK	50	24	22.06	22.13	22.03	23.1	1
20	QPSK	50	50	22.05	21.90	22.09		
20	QPSK	100	0	22.03	22.05	22.00	23.1	1
20	16QAM	1	0	21.57	21.53	21.63		
20	16QAM	1	49	21.73	21.63	21.71	23.1	1
20	16QAM	1	99	21.80	21.79	21.81		
20	16QAM	50	0	21.14	20.92	21.04	22.1	2
20	16QAM	50	24	21.12	21.00	21.13		
20	16QAM	50	50	21.50	21.02	21.46	22.1	2
20	16QAM	100	0	21.37	20.93	21.08		
20	64QAM	1	0	20.97	20.80	21.18	22.1	2
20	64QAM	1	49	21.36	21.27	21.36		
20	64QAM	1	99	21.37	21.09	21.19	21.1	3
20	64QAM	50	0	20.40	20.17	20.29		
20	64QAM	50	24	20.37	20.25	20.33	21.1	3
20	64QAM	50	50	20.35	20.26	20.60		
20	64QAM	100	0	20.35	20.60	20.43		
Channel				37825	38000	38175		
Frequency (MHz)				2677.5	2695	2712.5		
15	QPSK	1	0	22.72	22.84	22.71	24.1	0
15	QPSK	1	37	23.12	22.61	23.02		
15	QPSK	1	74	22.99	22.89	22.78	23.1	1
15	QPSK	36	0	21.99	21.65	22.03		
15	QPSK	36	20	21.89	21.97	21.86	23.1	1
15	QPSK	36	39	21.88	21.90	22.02		
15	QPSK	75	0	21.97	21.83	22.20	23.1	1
15	16QAM	1	0	21.57	21.34	21.63		
15	16QAM	1	37	21.56	21.56	21.54	23.1	1
15	16QAM	1	74	21.63	21.63	21.64		
15	16QAM	36	0	21.03	20.88	20.93	22.1	2
15	16QAM	36	20	21.10	20.96	21.11		
15	16QAM	36	39	21.43	20.98	21.39	22.1	2
15	16QAM	75	0	21.22	20.85	20.93		
15	64QAM	1	0	20.83	20.69	21.04	22.1	2
15	64QAM	1	37	21.30	21.12	21.30		
15	64QAM	1	74	21.30	20.99	21.12	21.1	3
15	64QAM	36	0	20.32	20.01	20.21		
15	64QAM	36	20	20.34	20.11	20.30	21.1	3
15	64QAM	36	39	20.16	20.23	20.41		
15	64QAM	75	0	20.33	20.48	20.41		
Channel				37800	38000	38200		
Frequency (MHz)				2675	2695	2715		
10	QPSK	1	0	22.73	22.89	22.72	24.1	0
10	QPSK	1	25	23.00	22.96	23.17		
10	QPSK	1	49	22.95	22.90	22.74	23.1	1
10	QPSK	25	0	21.95	21.68	21.99		
10	QPSK	25	12	22.13	21.98	21.99	23.1	1
10	QPSK	25	25	21.93	21.81	21.97		
10	QPSK	50	0	22.01	2			



Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	22.94	23.11	22.78	22.85	24.3	0
20	QPSK	1	49	23.35	23.37	23.18	23.29		
20	QPSK	1	99	22.99	23.13	22.97	22.84	23.3	1
20	QPSK	50	0	22.22	22.33	21.92	22.26		
20	QPSK	50	24	22.30	22.21	21.91	22.12	23.3	1
20	QPSK	50	50	22.29	22.28	21.84	22.32		
20	QPSK	100	0	22.14	22.29	22.25	22.03	22.3	2
20	16QAM	1	0	21.39	21.38	21.49	21.43		
20	16QAM	1	49	21.96	21.97	21.78	21.85	23.3	1
20	16QAM	1	99	21.77	21.80	21.60	21.62		
20	16QAM	50	0	21.21	21.38	20.96	21.02	22.3	2
20	16QAM	50	24	21.22	21.50	21.05	21.15		
20	16QAM	50	50	21.24	21.26	20.87	21.06	22.3	2
20	16QAM	100	0	21.16	21.65	21.40	20.99		
20	64QAM	1	0	20.56	20.70	20.62	20.58	22.3	2
20	64QAM	1	49	20.85	21.03	21.05	21.05		
20	64QAM	1	99	20.84	20.69	20.55	20.60	21.3	3
20	64QAM	50	0	20.16	20.30	19.97	20.07		
20	64QAM	50	24	20.25	20.25	20.45	20.20	21.3	3
20	64QAM	50	50	20.27	20.62	20.17	20.14		
20	64QAM	100	0	20.38	20.49	20.13	20.13		
Channel				40115	40395	40665	41165		
Frequency (MHz)				25425	25675	25955	26475		
15	QPSK	1	0	22.87	23.10	22.71	22.73	24.3	0
15	QPSK	1	37	23.30	23.30	23.13	23.22		
15	QPSK	1	74	22.80	23.00	22.78	22.71	23.3	1
15	QPSK	36	0	22.33	22.12	21.84	22.10		
15	QPSK	36	20	22.37	22.18	21.78	22.09	23.3	1
15	QPSK	36	39	22.37	22.13	21.80	22.17		
15	QPSK	75	0	22.13	22.19	22.24	21.99	23.3	1
15	16QAM	1	0	21.38	21.47	21.46	21.31		
15	16QAM	1	37	21.84	21.85	21.66	21.73	22.3	2
15	16QAM	1	74	21.81	21.70	21.44	21.52		
15	16QAM	36	0	21.09	21.23	20.84	20.87	22.3	2
15	16QAM	36	20	21.16	21.36	20.99	21.01		
15	16QAM	36	39	21.24	21.26	20.87	21.06	22.3	2
15	16QAM	75	0	21.02	21.63	21.26	20.97		
15	64QAM	1	0	20.45	20.60	20.51	20.48	22.3	2
15	64QAM	1	37	20.85	20.92	21.05	20.94		
15	64QAM	1	74	20.90	20.68	20.57	20.59	21.3	3
15	64QAM	36	0	20.05	20.19	19.86	19.96		
15	64QAM	36	20	20.25	20.10	20.45	20.05	21.3	3
15	64QAM	36	39	20.10	20.51	20.00	20.03		
15	64QAM	75	0	20.20	20.34	19.95	19.98		
Channel				40050	40350	40650	41150		
Frequency (MHz)				25500	25700	25900	26500		
10	QPSK	1	0	22.79	22.96	22.63	22.82	24.3	0
10	QPSK	1	25	23.34	23.20	23.17	23.12		
10	QPSK	1	49	22.83	23.04	22.81	22.75	23.3	1
10	QPSK	25	0	22.38	22.09	21.89	22.07		
10	QPSK	25	12	22.47	22.14	21.88	22.05	23.3	1
10	QPSK	25	25	22.39	22.23	21.82	22.27		
10	QPSK	50	0	22.10	22.23	22.21	22.03	23.3	1
10	16QAM	1	0	21.40	21.42	21.30	21.46		
10	16QAM	1	25	21.83	21.97	21.85	21.85	22.3	2
10	16QAM	1	49	21.77	21.79	21.60	21.61		
10	16QAM	25	0	21.05	21.26	20.80	20.90	22.3	2
10	16QAM	25	12	21.09	21.49	20.92	21.14		
10	16QAM	25	25	21.22	21.26	20.85	21.06	22.3	2
10	16QAM	50	0	21.05	21.46	21.29	20.80		
10	64QAM	1	0	20.52	20.54	20.58	20.42	22.3	2
10	64QAM	1	25	20.80	21.03	21.00	21.05		
10	64QAM	1	49	20.85	20.57	20.46	20.48	21.3	3
10	64QAM	25	0	20.01	20.12	19.82	19.89		
10	64QAM	25	12	20.11	20.18	20.31	20.13	21.3	3
10	64QAM	25	25	20.23	20.60	20.13	20.12		
10	64QAM	50	0	20.27	20.34	20.02	19.98		
Channel				40065	40365	40705	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	22.93	23.11	22.77	22.76	24.3	0
5	QPSK	1	12	23.18	23.31	23.01	23.23		
5	QPSK	1	24	22.81	23.11	22.79	22.82	23.3	1
5	QPSK	12	0	22.36	22.13	21.87	22.11		
5	QPSK	12	7	22.34	22.20	21.75	22.11	23.3	1
5	QPSK	12	13	22.36	22.16	21.79	22.20		
5	QPSK	25	0	21.99	22.14	22.10	21.94	23.3	1
5	16QAM	1	0	21.37	21.41	21.47	21.45		
5	16QAM	1	12	21.77	21.90	21.99	21.78	22.3	2
5	16QAM	1	24	21.68	21.72	21.51	21.54		
5	16QAM	12	0	21.19	21.28	20.94	20.92	22.3	2
5	16QAM	12	7	21.20	21.34	21.03	20.99		
5	16QAM	12	13	21.05	21.17	20.68	20.97	22.3	2
5	16QAM	25	0	20.97	21.49	21.21	20.83		
5	64QAM	1	0	20.43	20.52	20.49	20.40	22.3	2
5	64QAM	1	12	20.84	20.99	21.04	21.01		
5	64QAM	1	24	20.80	20.63	20.41	20.54	21.3	3
5	64QAM	12	0	20.07	20.23	19.88	20.00		
5	64QAM	12	7	20.18	20.23	20.38	20.18	21.3	3
5	64QAM	12	13	20.11	20.46	20.01	20.00		
5	64QAM	25	0	20.37	20.40	20.12	20.04		

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	22.57	22.83	22.85	22.62	24.1	0
20	QPSK	1	49	22.92	23.21	22.98	22.95		
20	QPSK	1	99	22.79	22.67	22.49	22.68	23.1	1
20	QPSK	50	0	21.76	21.94	21.57	21.84		
20	QPSK	50	24	21.78	21.78	21.59	21.70	23.1	1
20	QPSK	50	50	21.85	21.81	21.55	21.87		
20	QPSK	100	0	21.87	21.94	21.93	21.63	22.1	2
20	16QAM	1	0	21.30	21.33	21.34	21.36		
20	16QAM	1	49	21.55	21.60	21.36	21.81	23.1	1
20	16QAM	1	99	21.89	21.34	21.75	21.35		
20	16QAM	50	0	20.80	21.23	20.59	20.84	22.1	2
20	16QAM	50	24	20.91	20.98	20.70	20.81		
20	16QAM	50	50	20.89	20.74	20.85	21.10	22.1	2
20	16QAM	100	0	20.81	20.84	20.58	20.64		
20	64QAM	1	0	20.36	21.08	20.58	20.41	22.1	2
20	64QAM	1	49	21.06	21.15	20.98	21.01		
20	64QAM	1	99	20.89	20.86	20.70	20.83	21.1	3
20	64QAM	50	0	21.01	20.97	20.91	20.60		
20	64QAM	50	24	20.84	20.82	20.94	20.96	21.1	3
20	64QAM	50	50	20.90	21.05	20.57	20.73		
20	64QAM	100	0	20.82	20.98	20.61	20.70		
Channel				40115	40395	40665	41165		
Frequency (MHz)				25425	25675	25955	26475		
15	QPSK	1	0	22.56	22.89	22.33	22.53	24.1	0
15	QPSK	1	37	22.87	22.67	22.81	22.93		
15	QPSK	1	74	22.75	22.53	22.45	22.54	23.1	1
15	QPSK	36	0	21.64	21.75	21.45	21.45		
15	QPSK	36	20	21.66	21.74	21.47	21.86	23.1	1
15	QPSK	36	39	21.66	21.67	21.36	21.53		
15	QPSK	75	0	21.88	21.92	21.56	21.81	23.1	1
15	16QAM	1	0	21.45	21.40	21.49	21.43		
15	16QAM	1	37	21.45	21.56	21.46	21.77	22.1	2
15	16QAM	1	74	21.72	21.46	21.58	21.47		
15	16QAM	36	0	20.73	21.10	20.52	20.81	22.1	2
15	16QAM	36							



DSI2

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	29.94	29.99	29.97	31.00	20.94	20.99	20.97	22.00
GSM 1 Tx slot	30.00	29.93	29.94	31.00	21.00	20.93	20.94	22.00
GPRS 1 Tx slot	27.16	27.21	27.11	28.30	21.16	21.21	21.11	22.30
GPRS 2 Tx slots	26.01	25.82	25.98	27.00	21.75	21.56	21.72	22.74
GPRS 3 Tx slots	25.25	25.28	25.17	26.50	22.25	22.28	22.17	23.50
GPRS 4 Tx slots	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 1 Tx slot	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 2 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 3 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM850_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	31.74	31.69	31.81	32.70	22.74	22.69	22.81	23.70
GSM 1 Tx slot	31.74	31.60	31.84	32.70	22.74	22.60	22.84	23.70
GPRS 1 Tx slot	30.15	30.20	30.19	31.00	24.15	24.20	24.19	25.00
GPRS 2 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 3 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
GPRS 4 Tx slots	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 1 Tx slot	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 2 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 3 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1809.8	1850.2	1860	1809.8	1850.2	1860
Frequency (MHz)	29.35	29.40	29.45	30.50	20.35	20.40	20.45	21.50
GSM 1 Tx slot	29.32	29.30	29.35	30.50	20.32	20.30	20.35	21.50
GPRS 1 Tx slots	27.24	27.35	27.26	28.50	21.24	21.35	21.26	22.50
GPRS 2 Tx slots	25.45	25.60	25.83	26.60	21.19	21.34	21.57	22.34
GPRS 3 Tx slots	23.78	23.82	23.96	24.80	20.78	20.82	20.95	21.80
GPRS 4 Tx slots	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 1 Tx slot	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 2 Tx slots	21.18	21.24	21.60	22.30	16.92	16.98	17.34	18.04
EDGE 3 Tx slots	19.85	20.10	20.23	21.00	16.85	17.10	17.23	18.00

Band	WCDMA II_Ant31			WCDMA IV_Ant31			WCDMA V_Ant31			Tune-up Limit (dBm)			
	9262	9400	9538	1312	1413	1513	4132	4182	4233				
TX Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	9662			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1852.4			
3GPP Rel 99	AMR 12.2Kbps	22.82	22.88	22.96	24.30	22.95	22.98	22.99	24.30	23.04	22.88	23.03	24.30
3GPP Rel 99	RMC 12.2Kbps	23.00	23.05	22.96	24.30	22.98	23.06	22.94	24.30	23.09	23.10	23.05	24.30
3GPP Rel 6	HSDPA Subtest-1	21.81	21.85	21.93	23.10	22.06	21.91	22.08	23.10	21.99	22.05	22.07	23.10
3GPP Rel 6	HSDPA Subtest-2	21.95	21.89	22.07	23.10	22.03	22.11	22.04	23.10	21.88	21.97	21.92	23.10
3GPP Rel 6	HSDPA Subtest-3	21.43	21.40	21.60	22.60	21.52	21.62	21.55	22.60	21.39	21.50	21.45	22.60
3GPP Rel 6	HSDPA Subtest-4	21.43	21.39	21.59	22.60	21.50	21.62	21.54	22.60	21.37	21.48	21.44	22.60
3GPP Rel 8	DC-HSDPA Subtest-1	21.78	21.73	21.83	23.10	22.03	21.90	22.02	23.10	21.97	21.83	21.94	23.10
3GPP Rel 8	DC-HSDPA Subtest-2	21.89	21.84	22.01	23.10	21.99	21.96	21.92	23.10	21.83	21.94	21.85	23.10
3GPP Rel 8	DC-HSDPA Subtest-3	21.36	21.34	21.55	22.60	21.48	21.58	21.53	22.60	21.25	21.35	21.37	22.60
3GPP Rel 8	DC-HSDPA Subtest-4	21.38	21.27	21.44	22.60	21.45	21.50	21.46	22.60	21.36	21.38	21.32	22.60
3GPP Rel 6	HSUPA Subtest-1	21.91	21.88	21.94	23.10	21.91	22.01	21.93	23.10	21.80	21.92	21.91	23.10
3GPP Rel 6	HSUPA Subtest-2	19.90	19.91	20.03	21.10	19.95	20.12	20.00	21.10	19.97	20.04	19.91	21.10
3GPP Rel 6	HSUPA Subtest-3	20.89	20.85	20.97	22.10	20.97	21.11	20.94	22.10	20.90	20.94	20.94	22.10
3GPP Rel 6	HSUPA Subtest-4	19.93	19.87	19.98	21.10	19.96	20.11	19.90	21.10	19.98	19.96	20.09	21.10
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	22.00	23.10	22.00	22.10	21.90	23.10	21.80	22.00	22.00	23.10

Band	WCDMA V_Ant13			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458	4357	
Rx Channel	826.4	836.4	846.6	826.4	
Frequency (MHz)	21.00	20.92	20.89	22.50	
3GPP Rel 99	AMR 12.2Kbps	21.00	21.07	20.98	22.50
3GPP Rel 6	HSDPA Subtest-1	19.95	20.11	20.05	21.30
3GPP Rel 6	HSDPA Subtest-2	19.99	19.85	19.94	21.30
3GPP Rel 6	HSDPA Subtest-3	19.43	19.53	19.40	20.80
3GPP Rel 6	HSDPA Subtest-4	19.37	19.44	19.49	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	19.85	20.02	19.94	21.30
3GPP Rel 8	DC-HSDPA Subtest-2	19.88	19.78	19.76	21.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.36	19.35	19.41	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.38	19.50	19.37	20.80
3GPP Rel 6	HSUPA Subtest-1	19.91	19.96	20.05	21.50
3GPP Rel 6	HSUPA Subtest-2	17.99	18.05	17.95	19.50
3GPP Rel 6	HSUPA Subtest-3	18.92	18.94	18.85	20.50
3GPP Rel 6	HSUPA Subtest-4	18.14	18.12	17.96	19.50
3GPP Rel 6	HSUPA Subtest-5	20.04	19.83	19.92	21.20



Band 2_Ant31											
BW (MHz)	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	22.65	22.72	22.69	23.8	0			
20	QPSK	1	49	23.10	23.21	23.05					
20	QPSK	1	99	22.70	22.75	22.85	22.8	1			
20	QPSK	50	0	21.88	21.90	21.81					
20	QPSK	50	24	21.76	21.75	21.90	21.8	2			
20	QPSK	50	50	21.78	21.76	21.80					
20	QPSK	100	0	21.82	21.88	21.85	21.8	1			
20	16QAM	1	0	21.84	21.56	21.41					
20	16QAM	1	49	21.84	21.56	21.72	21.8	1			
20	16QAM	1	99	21.37	21.26	21.67					
20	16QAM	50	0	20.82	20.87	20.93	21.8	2			
20	16QAM	50	24	20.73	20.83	21.04					
20	16QAM	50	50	20.74	20.74	21.01	21.8	100	0		
20	16QAM	100	0	20.77	20.72	20.90					
20	64QAM	1	0	20.67	20.84	20.73	21.8	2			
20	64QAM	1	49	21.15	21.10	21.12					
20	64QAM	1	99	21.02	20.90	21.12	21.8	3			
20	64QAM	50	0	19.82	19.98	20.06					
20	64QAM	50	24	19.84	19.71	20.04	20.8	3			
20	64QAM	50	50	19.83	19.78	20.17					
20	64QAM	100	0	19.81	19.88	20.02	20.8	100	0		
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.49	22.70	22.53	23.8	0			
15	QPSK	1	37	23.06	23.08	23.01					
15	QPSK	1	74	22.54	22.62	22.69	22.8	1			
15	QPSK	36	0	21.72	21.90	21.77					
15	QPSK	36	20	21.70	21.74	21.93	22.8	1			
15	QPSK	36	39	21.70	21.74	21.87					
15	16QAM	75	0	21.77	21.70	21.80	22.8	1			
15	16QAM	1	0	21.53	21.47	21.30					
15	16QAM	1	37	21.64	21.41	21.72	22.8	1			
15	16QAM	1	74	21.34	21.09	21.84					
15	16QAM	36	0	20.75	20.78	20.86	21.8	2			
15	16QAM	36	20	20.85	20.71	20.86					
15	16QAM	36	39	20.88	20.88	20.81	21.8	3			
15	16QAM	75	0	20.68	20.72	20.81					
15	64QAM	1	0	20.60	20.83	20.66	21.8	2			
15	64QAM	1	37	21.15	21.07	21.12					
15	64QAM	1	74	20.98	20.86	21.08	20.8	3			
15	64QAM	36	0	19.78	19.98	20.00					
15	64QAM	36	20	19.73	19.98	20.00	20.8	3			
15	64QAM	36	39	19.74	19.83	20.08					
15	64QAM	75	0	19.78	19.78	19.99	20.8	100	0		
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.53	22.60	22.57	23.8	0			
10	QPSK	1	25	23.06	23.06	23.01					
10	QPSK	1	49	22.70	22.74	22.85	22.8	1			
10	QPSK	25	0	21.74	21.70	21.79					
10	QPSK	25	12	21.74	21.71	21.97	22.8	1			
10	QPSK	25	25	21.73	21.60	21.90					
10	QPSK	50	0	21.79	21.71	21.82	22.8	1			
10	16QAM	1	0	21.50	21.38	21.27					
10	16QAM	1	25	21.57	21.48	21.65	22.8	1			
10	16QAM	1	49	21.29	21.20	21.92					
10	16QAM	25	0	20.83	20.80	20.74	21.8	2			
10	16QAM	25	12	20.55	20.78	20.86					
10	16QAM	25	25	20.65	20.57	20.92	21.8	100	0		
10	16QAM	50	0	20.73	20.70	20.86					
10	64QAM	1	0	20.36	20.79	20.52	21.8	2			
10	64QAM	1	25	21.09	21.09	21.08					
10	64QAM	1	49	20.91	20.90	21.01	20.8	3			
10	64QAM	25	0	19.73	19.81	19.97					
10	64QAM	25	12	19.65	19.55	19.85	20.8	3			
10	64QAM	25	25	19.80	19.84	20.14					
10	64QAM	50	0	19.73	19.84	19.94	20.8	100	0		
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.63	22.53	22.67	23.8	0			
5	QPSK	1	12	22.91	23.17	22.86					
5	QPSK	1	24	22.58	22.74	22.73	22.8	1			
5	QPSK	12	0	21.73	21.75	21.78					
5	QPSK	12	7	21.68	21.59	21.91	22.8	1			
5	QPSK	12	13	21.67	21.62	21.84					
5	QPSK	25	0	21.71	21.71	21.70	22.8	1			
5	16QAM	1	0	21.63	21.51	21.40					
5	16QAM	1	12	21.48	21.58	21.56	22.8	1			
5	16QAM	1	24	21.26	21.07	21.58					
5	16QAM	12	0	20.71	20.70	20.82	21.8	2			
5	16QAM	12	7	20.62	20.76	20.53					
5	16QAM	12	13	20.67	20.70	20.94	21.8	3			
5	16QAM	25	0	20.65	20.65	20.78					
5	64QAM	1	0	20.62	20.69	20.68	21.8	2			
5	64QAM	1	12	20.96	21.01	20.93					
5	64QAM	1	24	21.00	20.89	21.10	20.8	3			
5	64QAM	12	0	19.75	19.85	19.99					
5	64QAM	12	7	19.79	19.85	20.07	20.8	3			
5	64QAM	12	13	19.83	19.58	20.17					
5	64QAM	25	0	19.79	19.77	20.00	20.8	100	0		
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.47	22.65	22.51	23.8	0			
3	QPSK	1	8	22.94	23.03	22.89					
3	QPSK	1	14	22.65	22.95	22.86	22.8	1			
3	QPSK	8	0	21.76	21.82	21.81					
3	QPSK	8	4	21.73	21.67	21.96	22.8	1			
3	QPSK	8	7	21.59	21.73	21.76					
3	QPSK	15	0	21.79	21.60	21.82	22.8	1			
3	16QAM	1	0	21.56	21.47	21.33					
3	16QAM	1	8	21.81	21.45	21.89	22.8	1			
3	16QAM	1	13	21.23	21.25	21.53					
3	16QAM	8	0	20.79	20.77	20.90	21.8	2			
3	16QAM	8	4	20.60	20.74	20.91					
3	16QAM	8	7	20.72	20.56	20.99	21.8	100	0		
3	16QAM	15	0	20.70	20.53	20.83					
3	64QAM	1	0	20.62	20.76	20.68	21.8	2			
3	64QAM	1	8	21.08	21.00	21.03					
3	64QAM	1	14	20.88	20.79	20.98	20.8	3			
3	64QAM	8	0	19.63	19.87	19.87					
3	64QAM	8	4	19.72	19.69	19.92	20.8	3			
3	64QAM	8	7	19.66	19.66	20.00					
3	64QAM	15	0	19.81	19.85	20.02	20.8	100	0		
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.65	22.57	22.69	23.8	0			
1.4	QPSK	1	3	22.94	23.07	22.89					
1.4	QPSK	1	5	22.65	22.63	22.74	23.4	0			
1.4	QPSK	3	0	22.85	22.83	22.90					
1.4	QPSK	3	1	22.59	22.62	22.82	23.4	0			
1.4	QPSK	3	3	22.73	22.65	22.96					
1.4	QPSK	6	0	21.64	21.64	21.67	23.8	0			
1.4	16QAM	1	0	21.52	21.47	21.29					
1.4	16QAM	1	3	21.62	21.40	21.70	23.8	0			
1.4	16QAM	1	5	21.26	21.08	21.56					
1.4	16QAM	3	0	21.74	21.68	21.85	23.8	0			
1.4	16QAM	3	1	21.81	21.71	21.32					
1.4	16QAM	3	1	21.61	21.59	21.58	23.8	0			
1.4	16QAM	6	0	20.64	20.72	20.27					
1.4	64QAM	1	0	20.55	20.69	20.61	23.8	0			
1.4	64QAM	1	3	21.11	21.07	21.08					
1.4	64QAM	1	5	20.90	20.71	21.00	23.8	0			
1.4	64QAM	3	0	20.72	20.94	20.96					
1.4	64QAM	3	1	21.41	21.32	21.37					



Band 5_Ant31

BW (MHz)	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)				829	836.5	844		
10	QPSK	1	0	22.19	22.11	22.27		
10	QPSK	1	25	22.54	22.66	22.60		
10	QPSK	1	49	22.13	22.21	22.22	23.8	0
10	QPSK	25	0	21.40	21.58	21.51		
10	QPSK	25	12	21.45	21.47	21.56		
10	QPSK	25	25	21.42	21.51	21.57	22.8	1
10	QPSK	50	0	21.47	21.62	21.61		
10	16QAM	1	0	21.23	21.34	21.51		
10	16QAM	1	25	21.61	21.59	21.61	22.8	1
10	16QAM	1	49	21.15	21.32	21.37		
10	16QAM	25	0	20.34	20.35	20.28		
10	16QAM	25	12	20.49	20.36	20.82		
10	16QAM	25	25	20.54	20.67	20.42	21.8	2
10	16QAM	50	0	20.52	20.50	20.68		
10	64QAM	1	0	20.30	20.42	20.50		
10	64QAM	1	25	20.85	20.53	20.70	21.8	2
10	64QAM	1	49	20.42	20.38	20.49		
10	64QAM	25	0	19.55	19.42	19.62		
10	64QAM	25	12	19.65	19.53	19.71	20.8	3
10	64QAM	25	25	19.63	19.47	19.51		
10	64QAM	50	0	19.49	19.41	19.75		
Channel								
Frequency (MHz)				20425	20525	20590	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829.5	836.5	844.5		
5	QPSK	1	0	22.19	22.05	22.27		
5	QPSK	1	12	22.46	22.50	22.52	23.8	0
5	QPSK	1	24	22.00	22.08	22.04		
5	QPSK	12	0	21.28	21.49	21.39		
5	QPSK	12	7	21.33	21.39	21.44	22.8	1
5	QPSK	12	13	21.26	21.38	21.41		
5	16QAM	1	0	21.40	21.52	21.54		
5	16QAM	1	0	21.19	21.22	21.47	22.8	1
5	16QAM	1	12	21.48	21.52	21.48		
5	16QAM	1	24	21.08	21.18	21.32		
5	16QAM	12	0	20.33	20.27	20.27		
5	16QAM	12	7	20.42	20.34	20.75	21.8	2
5	16QAM	12	13	20.48	20.57	20.38		
5	16QAM	25	0	20.47	20.47	20.63		
5	64QAM	1	0	20.22	20.39	20.42		
5	64QAM	1	12	20.83	20.39	20.68	21.8	2
5	64QAM	1	24	20.28	20.25	20.35		
5	64QAM	12	0	19.52	19.34	19.59		
5	64QAM	12	7	19.53	19.41	19.59	20.8	3
5	64QAM	12	13	19.40	19.38	19.38		
5	64QAM	25	0	19.45	19.40	19.71		
Channel								
Frequency (MHz)				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829.5	836.5	847.5		
3	QPSK	1	0	22.05	22.10	22.13		
3	QPSK	1	8	22.38	22.53	22.44	23.8	0
3	QPSK	1	14	22.06	22.04	22.15		
3	QPSK	8	0	21.33	21.39	21.34		
3	QPSK	8	4	21.31	21.28	21.42	22.8	1
3	QPSK	8	7	21.32	21.51	21.47		
3	QPSK	15	0	21.43	21.54	21.57		
3	16QAM	1	0	21.04	21.23	21.32	22.8	1
3	16QAM	1	8	21.57	21.50	21.57		
3	16QAM	1	14	21.02	21.24	21.20		
3	16QAM	8	0	20.28	20.17	20.22		
3	16QAM	8	4	20.44	20.17	20.77	21.8	2
3	16QAM	8	7	20.38	20.53	20.26		
3	16QAM	15	0	20.40	20.47	20.56		
3	64QAM	1	0	20.14	20.41	20.34	21.8	2
3	64QAM	1	8	20.82	20.40	20.67		
3	64QAM	1	14	20.39	20.26	20.46		
3	64QAM	8	0	19.52	19.28	19.59		
3	64QAM	8	4	19.48	19.39	19.54	20.8	3
3	64QAM	8	7	19.40	19.36	19.38		
3	64QAM	15	0	19.34	19.31	19.60		
Channel								
Frequency (MHz)				20407	20525	20593	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829.7	836.5	848.3		
1.4	QPSK	1	0	22.15	22.06	22.23		
1.4	QPSK	1	3	22.52	22.48	22.58	23.8	0
1.4	QPSK	1	5	22.00	22.18	22.06		
1.4	QPSK	3	0	22.26	22.39	22.37		
1.4	QPSK	3	1	22.44	22.34	22.55	22.8	1
1.4	QPSK	3	3	22.40	22.49	22.55		
1.4	QPSK	6	0	21.41	21.53	21.55		
1.4	16QAM	1	0	21.10	21.32	21.38	22.8	1
1.4	16QAM	1	3	21.51	21.41	21.51		
1.4	16QAM	1	5	21.20	21.18	21.21	22.8	1
1.4	16QAM	3	0	21.17	21.17	21.11		
1.4	16QAM	3	1	21.31	21.36	21.64		
1.4	16QAM	3	3	21.51	21.55	21.39		
1.4	16QAM	6	0	20.41	20.31	20.57	21.8	2
1.4	64QAM	1	0	20.16	20.25	20.36		
1.4	64QAM	1	3	20.68	20.34	20.53		
1.4	64QAM	1	5	20.23	20.25	20.30	21.8	2
1.4	64QAM	3	0	20.36	20.38	20.43		
1.4	64QAM	3	1	20.46	20.45	20.52		
1.4	64QAM	3	3	20.35	20.35	20.33		
1.4	64QAM	6	0	19.44	19.28	19.70	20.8	3

Band 7_Ant31

BW (MHz)	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)				2510	2535	2560		
20	QPSK	1	0	22.67	22.59	22.69		
20	QPSK	1	49	22.83	22.85	22.77	23.7	0
20	QPSK	1	99	22.45	22.56	22.40		
20	QPSK	50	0	21.79	21.88	21.83		
20	QPSK	50	24	21.65	21.70	21.85	22.7	1
20	QPSK	50	50	21.60	21.77	21.85		
20	QPSK	100	0	21.79	21.85	21.90		
20	16QAM	1	0	21.47	21.39	21.29		
20	16QAM	1	49	21.17	21.71	21.23	22.7	1
20	16QAM	1	99	21.24	21.15	21.22		
20	16QAM	50	0	20.45	20.75	20.87		
20	16QAM	50	24	20.52	20.79	20.89	21.7	2
20	16QAM	50	50	20.48	20.82	20.91		
20	16QAM	100	0	20.53	20.82	20.81		
20	64QAM	1	0	20.79	20.85	20.89		
20	64QAM	1	49	21.24	21.15	21.22	21.7	2
20	64QAM	1	99	20.84	20.90	20.81		
20	64QAM	50	0	19.50	19.68	19.83		
20	64QAM	50	24	19.61	19.94	19.98	20.7	3
20	64QAM	50	50	19.63	19.75	19.87		
20	64QAM	100	0	19.51	19.88	19.91		
Channel								
Frequency (MHz)				25025	25100	25175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25025	2535	2562.5		
15	QPSK	1	0	22.69	22.61	22.71		
15	QPSK	1	37	22.70	22.78	22.74	23.7	0
15	QPSK	1	74	22.42	22.54	22.37		
15	QPSK	36	0	21.34	21.63	21.78		
15	QPSK	36	20	21.43	21.78	21.81	22.7	1
15	QPSK	36	39	21.52	21.83	21.88		
15	QPSK	75	0	21.43	21.64	21.83		
15	16QAM	1	0	21.46	21.41	21.28		
15	16QAM	1	37	21.21	21.69	21.27	22.7	1
15	16QAM	1	74	21.31	21.36	21.55		
15	16QAM	36	0	20.52	20.81	20.94		
15	16QAM	36	20	20.43	20.83	20.80	21.7	2
15	16QAM	36	39	20.56	20.90	20.99		
15	16QAM	75	0	20.47	20.73	20.75		
15	64QAM	1	0	20.81	20.81	20.91		
15	64QAM	1	37	21.15	21.23	21.13	21.7	2
15	64QAM	1	74	20.78	20.90	20.75		
15	64QAM	36	0	19.45	19.75	19.78		
15	64QAM	36	20	19.57	19.97	19.94	20.7	3
15	64QAM	36	39	19.54	19.74	19.78		
15	64QAM	75	0	19.57	19.94	19.97		
Channel								
Frequency (MHz)				25080	25100	25100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.68	22.66	22.70		
10	QPSK	1	25	22.75	22.79	22.69	23.7	0
10	QPSK	1	49	22.53	22.80	22.48		
10	QPSK	25	0	21.42	21.64	21.86		
10	QPSK	25	12	21.47	21.82	21.85	22.7	



Band 13_Ant31

BW (MHz)	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	21.58	21.58	21.58	23.3	0
10	QPSK	1	25	21.82	21.82	21.82		
10	QPSK	1	49	21.83	21.83	21.83		
10	QPSK	25	0	20.95	20.95	20.95	22.3	1
10	QPSK	25	12	20.85	20.85	20.85		
10	QPSK	25	25	20.95	20.95	20.95		
10	QPSK	50	0	20.98	20.98	20.98	22.3	1
10	16QAM	1	0	21.03	21.03	21.03		
10	16QAM	1	25	20.99	20.99	20.99		
10	16QAM	1	49	19.98	19.98	19.98	21.3	2
10	16QAM	25	0	19.95	19.95	19.95		
10	16QAM	25	12	20.08	20.08	20.08		
10	16QAM	25	25	19.92	19.92	19.92	20.3	3
10	16QAM	50	0	20.05	20.05	20.05		
10	64QAM	1	0	19.88	19.88	19.88		
10	64QAM	1	25	19.96	19.96	19.96	21.3	2
10	64QAM	1	49	19.98	19.98	19.98		
10	64QAM	25	0	18.94	18.94	18.94		
10	64QAM	25	12	18.80	18.80	18.80	20.3	3
10	64QAM	25	25	18.86	18.86	18.86		
10	64QAM	50	0	18.96	18.96	18.96		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.64	21.55	21.57	23.3	0
5	QPSK	1	12	21.83	21.79	21.75		
5	QPSK	1	24	21.75	21.82	21.72		
5	QPSK	12	0	20.85	20.86	20.80	22.3	1
5	QPSK	12	7	20.96	20.89	20.91		
5	QPSK	12	13	21.00	21.05	20.93		
5	16QAM	1	0	21.06	21.05	20.99	22.3	1
5	16QAM	1	12	20.91	20.98	20.86		
5	16QAM	1	24	20.58	20.60	20.57		
5	16QAM	12	0	19.96	19.90	19.91	21.3	2
5	16QAM	12	7	19.99	20.01	20.05		
5	16QAM	12	13	20.01	20.06	19.99		
5	16QAM	25	0	19.99	20.06	19.90	21.3	2
5	64QAM	1	0	19.87	19.94	19.84		
5	64QAM	1	12	20.07	20.08	20.12		
5	64QAM	1	24	20.05	19.95	20.09	20.3	3
5	64QAM	12	0	18.88	19.06	18.97		
5	64QAM	12	7	18.87	18.96	18.90		
5	64QAM	12	13	18.84	18.92	18.93	20.3	3
5	64QAM	25	0	19.05	18.92	18.90		

Band 26_Ant13

BW (MHz)	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)								
15	QPSK	1	0	20.76	20.86	20.69	22	0
15	QPSK	1	37	21.30	21.35	21.24		
15	QPSK	1	74	20.71	20.87	20.81		
15	QPSK	36	0	20.86	20.92	20.89	22	0
15	QPSK	36	20	20.74	20.87	20.74		
15	QPSK	36	39	20.69	20.82	20.81		
15	QPSK	75	0	20.70	20.76	20.73	22	0
15	16QAM	1	0	20.47	20.52	20.33		
15	16QAM	1	37	20.57	20.73	20.70		
15	16QAM	1	74	21.26	20.41	20.22	22	0
15	16QAM	36	0	20.77	20.77	20.68		
15	16QAM	36	20	20.82	20.85	20.71		
15	16QAM	36	39	20.82	20.87	20.72	22	0
15	16QAM	75	0	20.54	20.72	20.67		
15	64QAM	1	0	20.79	20.82	20.74		
15	64QAM	1	37	21.26	21.32	21.22	22	0
15	64QAM	1	74	20.88	21.02	20.85		
15	64QAM	36	0	19.96	20.08	20.02		
15	64QAM	36	20	20.02	20.13	19.98	21	1
15	64QAM	36	39	19.92	20.01	19.85		
15	64QAM	75	0	19.74	19.93	19.88		
Channel								
Frequency (MHz)								
10	QPSK	1	0	20.59	20.71	20.52	22	0
10	QPSK	1	25	21.30	21.28	21.24		
10	QPSK	1	49	20.69	20.81	20.79		
10	QPSK	25	0	20.78	20.87	20.81	22	0
10	QPSK	25	12	20.72	20.83	20.72		
10	QPSK	25	25	20.60	20.70	20.72		
10	QPSK	50	0	20.75	20.80	20.79	22	0
10	16QAM	1	0	20.29	20.34	20.15		
10	16QAM	1	25	20.38	20.73	20.51		
10	16QAM	1	49	20.25	20.32	20.22	22	0
10	16QAM	25	0	20.70	20.58	20.82		
10	16QAM	25	12	20.78	20.78	20.67		
10	16QAM	25	25	20.60	20.67	20.66	22	0
10	16QAM	50	0	20.44	20.57	20.57		
10	64QAM	1	0	20.74	20.69	20.69		
10	64QAM	1	25	21.11	21.17	21.07	22	0
10	64QAM	1	49	20.78	20.96	20.75		
10	64QAM	25	0	19.88	19.90	19.94		
10	64QAM	25	12	20.30	20.30	20.30	21	1
10	64QAM	25	25	19.83	19.86	19.76		
10	64QAM	50	0	19.60	19.84	19.74		
Channel								
Frequency (MHz)								
5	QPSK	1	0	20.71	20.74	20.64	22	0
5	QPSK	1	12	21.25	21.23	21.19		
5	QPSK	1	24	20.70	20.86	20.80		
5	QPSK	12	0	20.75	20.80	20.79	22	0
5	QPSK	12	7	20.64	20.80	20.64		
5	QPSK	12	13	20.67	20.70	20.79		
5	QPSK	25	0	20.64	20.61	20.67	22	0
5	16QAM	1	0	20.46	20.47	20.32		
5	16QAM	1	12	20.39	20.67	20.52		
5	16QAM	1	24	20.97	20.24	20.04	22	0
5	16QAM	12	0	20.62	20.62	20.54		
5	16QAM	12	7	20.77	20.75	20.66		
5	16QAM	12	13	20.68	20.87	20.58	22	0
5	16QAM	25	0	20.51	20.67	20.64		
5	64QAM	1	0	20.65	20.79	20.80		
5	64QAM	1	12	21.10	21.22	21.06	22	0
5	64QAM	1	24	20.75	21.00	20.72		
5	64QAM	12	0	19.81	20.08	19.87		
5	64QAM	12	7	19.83	20.03	19.79	21	1
5	64QAM	12	13	19.90	19.88	19.83		
5	64QAM	25	0	19.61	19.79	19.75		
Channel								
Frequency (MHz)								
3	QPSK	1	0	20.61	20.72	20.54	22	0
3	QPSK	1	8	21.16	21.25	21.10		
3	QPSK	1	14	20.66	20.73	20.76		
3	QPSK	8	0	20.83	20.81	20.86	22	0
3	QPSK	8	4	20.69	20.73	20.69		
3	QPSK	8	7	20.62	20.69	20.74		
3	QPSK	15	0	20.64	20.73	20.57	22	0
3	16QAM	1	0	20.47	20.50	20.33		
3	16QAM	1	8	20.58	20.65	20.69		
3	16QAM	1	14	20.12	20.38	20.09	22	0
3	16QAM	8	0	20.69	20.58	20.61		
3	16QAM	8	4	20.68	20.85	20.57		
3	16QAM	8	7	20.80	20.77	20.70	22	0
3	16QAM	15	0	20.47	20.65	20.60		
3	64QAM	1	0	20.69	20.77	20.64		
3	64QAM	1	8	21.20	21.28	21.16	22	0
3	64QAM	1	14	20.87	20.94	20.84		
3	64QAM	8	0	19.87	19.95	19.93		
3	64QAM	8	4	19.90	20.02	19.86	21	1
3	64QAM	8	7	19.90	19.89	19.83		
3	64QAM	15	0	19.61	19.77	19.75		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	20.58	20.75	20.51	22	0
1.4	QPSK	1	3	21.23	21.18	21.17		
1.4	QPSK	1	5	20.65	20.68	20.75		
1.4	QPSK	3	0	20.79	20.77	20.82	22	0
1.4	QPSK	3	1	20.57	20.79	20.57		
1.4	QPSK	3	3	20.66	20.74	20.78		
1.4	QPSK	6	0	20.52	20.72	20.55	22	0
1.4	16QAM	1	0	20.36	20.35	20.22		
1.4	16QAM	1	3	20.47	20.59	20.60		
1.4	16QAM	1	5	20.21	20.28	20.18	22	0
1.4	16QAM	3	0	20.73	20.75	20.65		
1.4	16QAM	3	1	20.73	20.82	20.82		
1.4	16QAM	3	3	20.68	20.72	20.58	22	0
1.4	16QAM	6	0	20.52	20.72	20.65		
1.4	64QAM	1	0	20.62	20.81	20.57		
1.4	64QAM	1	3	21.17	21.14	21.13	22	0
1.4	64QAM	1	5	20.78	20.96	20.75		
1.4	64QAM	3	0	20.93	20.89	20.99		
1.4	64QAM	3	1	21.01	20.96	20.97	21	1
1.4	64QAM	3	3	20.92	20.88	20.85		
1.4	64QAM	6	0	19.69	19.88	19.83		

Band 26_Ant31

BW (MHz)	Modulation	RB Size
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Band 66_Ant31

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				132022	132222	132597		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.88	22.85	22.75	23.8	0
20	QPSK	1	49	23.15	23.30	23.20		
20	QPSK	1	99	22.77	22.89	22.80	22.8	1
20	QPSK	50	0	21.66	22.07	21.63		
20	QPSK	50	24	21.66	21.97	21.58	21.8	2
20	QPSK	50	50	21.79	21.90	21.52		
20	QPSK	100	0	21.69	22.00	21.57		
20	16QAM	1	0	21.40	21.55	21.41	22.8	1
20	16QAM	1	49	21.35	21.48	21.27		
20	16QAM	1	99	21.41	21.40	21.07	21.8	2
20	16QAM	50	0	20.76	21.05	20.56		
20	16QAM	50	24	20.70	20.89	20.66	20.8	3
20	16QAM	50	50	20.80	21.03	20.59		
20	16QAM	100	0	20.62	21.02	20.64		
20	64QAM	1	0	20.85	21.00	20.84	21.8	2
20	64QAM	1	49	21.05	21.17	21.10		
20	64QAM	1	99	20.88	21.13	20.90	20.8	3
20	64QAM	50	0	19.69	20.15	19.66		
20	64QAM	50	24	19.81	19.99	19.65	20.8	3
20	64QAM	50	50	19.77	19.97	19.50		
20	64QAM	100	0	19.56	20.14	19.64		
Channel				132022	132222	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.81	22.67	22.68	23.8	0
15	QPSK	1	37	23.12	23.29	23.17		
15	QPSK	1	74	22.72	22.72	22.75	22.8	1
15	QPSK	36	0	21.64	21.98	21.61		
15	QPSK	36	20	21.51	21.96	21.43	21.8	2
15	QPSK	36	39	21.76	21.82	21.49		
15	QPSK	75	0	21.50	21.62	21.38	21.8	2
15	16QAM	1	0	21.28	21.37	21.29		
15	16QAM	1	37	21.32	21.43	21.24	21.8	2
15	16QAM	1	74	21.28	21.40	21.07		
15	16QAM	36	0	20.67	21.00	20.47	20.8	3
15	16QAM	36	20	20.54	20.76	20.50		
15	16QAM	36	39	20.76	20.88	20.55	21.8	2
15	16QAM	75	0	20.49	21.01	20.51		
15	64QAM	1	0	20.87	21.00	20.76	21.8	2
15	64QAM	1	37	21.04	21.09	21.09		
15	64QAM	1	74	20.70	21.11	20.72	20.8	3
15	64QAM	36	0	19.56	19.99	19.53		
15	64QAM	36	20	19.73	19.98	19.57	20.8	3
15	64QAM	36	39	19.69	19.87	19.42		
15	64QAM	75	0	19.51	20.05	19.59		
Channel				132022	132222	132597		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.83	22.84	22.70	23.8	0
10	QPSK	1	25	23.09	23.23	23.14		
10	QPSK	1	49	22.67	22.84	22.70	22.8	1
10	QPSK	25	0	21.60	21.96	21.57		
10	QPSK	25	12	21.51	21.81	21.43	21.8	2
10	QPSK	25	25	21.77	21.90	21.50		
10	QPSK	50	0	21.56	21.97	21.43	22.8	1
10	16QAM	1	0	21.28	21.46	21.29		
10	16QAM	1	25	21.27	21.37	21.19	21.8	2
10	16QAM	1	49	21.31	21.29	21.10		
10	16QAM	25	0	20.65	20.88	20.45	21.8	2
10	16QAM	25	12	20.61	20.87	20.57		
10	16QAM	25	25	20.68	20.88	20.47	20.8	3
10	16QAM	50	0	20.58	20.85	20.60		
10	64QAM	1	0	20.54	20.58	20.53	21.8	2
10	64QAM	1	25	20.90	21.14	20.95		
10	64QAM	1	49	20.85	21.12	20.87	20.8	3
10	64QAM	25	0	19.51	20.12	19.48		
10	64QAM	25	12	19.68	19.81	19.52	20.8	3
10	64QAM	25	25	19.73	19.92	19.46		
10	64QAM	50	0	19.37	20.02	19.45		
Channel				131987	132222	132597		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.77	22.83	22.64	23.8	0
5	QPSK	1	12	23.12	23.19	23.17		
5	QPSK	1	24	22.73	22.87	22.76	22.8	1
5	QPSK	12	0	21.58	21.90	21.55		
5	QPSK	12	7	21.51	21.94	21.43	21.8	2
5	QPSK	12	13	21.66	21.82	21.39		
5	QPSK	25	0	21.50	21.63	21.38	22.8	1
5	16QAM	1	0	21.33	21.42	21.34		
5	16QAM	1	12	21.33	21.48	21.25	21.8	2
5	16QAM	1	24	21.32	21.40	21.15		
5	16QAM	12	0	20.72	21.05	20.52	21.8	2
5	16QAM	12	7	20.52	20.77	20.48		
5	16QAM	12	13	20.70	20.88	20.49	21.8	2
5	16QAM	25	0	20.57	20.91	20.59		
5	64QAM	1	0	20.87	20.89	20.76	21.8	2
5	64QAM	1	12	20.88	21.10	20.93		
5	64QAM	1	24	20.74	20.94	20.76	20.8	3
5	64QAM	12	0	19.68	20.09	19.65		
5	64QAM	12	7	19.88	19.84	19.52	20.8	3
5	64QAM	12	13	19.60	19.88	19.33		
5	64QAM	25	0	19.49	20.00	19.57		
Channel				131987	132222	132597		
Frequency (MHz)				1711.5	1745	1779.5		
3	QPSK	1	0	22.72	22.73	22.59	23.8	0
3	QPSK	1	8	23.03	23.27	23.08		
3	QPSK	1	14	22.77	22.89	22.80	22.8	1
3	QPSK	8	0	21.64	22.06	21.61		
3	QPSK	8	4	21.48	21.85	21.40	22.8	1
3	QPSK	8	7	21.75	21.79	21.48		
3	QPSK	15	0	21.61	21.83	21.49	22.8	1
3	16QAM	1	0	21.24	21.49	21.25		
3	16QAM	1	8	21.19	21.48	21.11	21.8	2
3	16QAM	1	14	21.30	21.35	21.05		
3	16QAM	8	0	20.63	21.03	20.43	21.8	2
3	16QAM	8	4	20.64	20.82	20.60		
3	16QAM	8	7	20.72	20.84	20.51	20.8	3
3	16QAM	15	0	20.50	20.98	20.52		
3	64QAM	1	0	20.78	20.92	20.67	21.8	2
3	64QAM	1	8	20.97	21.13	21.02		
3	64QAM	1	14	20.86	20.94	20.88	20.8	3
3	64QAM	8	0	19.63	20.07	19.60		
3	64QAM	8	4	19.72	19.94	19.56	20.8	3
3	64QAM	8	7	19.59	19.93	19.32		
3	64QAM	15	0	19.43	19.98	19.51		
Channel				131079	132222	132666		
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.84	22.86	22.71	23.8	0
1.4	QPSK	1	3	23.01	23.26	23.06		
1.4	QPSK	1	5	22.68	22.83	22.71	22.8	1
1.4	QPSK	3	0	22.86	22.97	22.63		
1.4	QPSK	3	1	22.50	22.83	22.42	21.8	2
1.4	QPSK	3	3	22.69	22.87	22.42		
1.4	QPSK	6	0	21.60	21.96	21.48	21.8	2
1.4	16QAM	1	0	21.31	21.38	21.32		
1.4	16QAM	1	3	21.25	21.38	21.17	22.8	0
1.4	16QAM	1	5	21.23	21.23	21.15		
1.4	16QAM	3	0	21.73	21.95	21.53	21.8	2
1.4	16QAM	3	1	21.55	21.85	21.51		
1.4	16QAM	3	3	21.68	21.97	21.47	20.8	3
1.4	16QAM	6	0	20.60	20.93	20.62		
1.4	64QAM	1	0	20.76	20.92	20.65	21.8	2
1.4	64QAM	1	3	20.92	21.09	20.97		
1.4	64QAM	1	5	20.88	20.99	20.90	20.8	3
1.4	64QAM	3	0	20.38	20.99	20.55		
1.4	64QAM	3	1	20.67	20.98	20.51	23.8	0
1.4	64QAM	3	3	20.64	20.96	20.37		
1.4	64QAM	6	0	19.45	20.05	19.53		



Band 38_Ant 31								
BW [MHz]	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)				2530	2595	2610		
20	QPSK	1	0	22.55	22.35	22.45	23.6	0
20	QPSK	1	49	22.51	22.37	22.54		
20	QPSK	1	99	22.34	22.44	22.41	23.1	0.5
20	QPSK	50	0	21.69	21.84	21.83		
20	QPSK	50	24	21.73	21.81	21.65	23.1	0.5
20	QPSK	50	50	21.60	21.68	21.56		
20	QPSK	100	0	21.55	21.63	21.67	22.1	1.5
20	16QAM	1	0	21.23	21.29	21.12		
20	16QAM	1	49	21.40	21.47	21.33	23.1	0.5
20	16QAM	1	99	21.24	21.36	21.32		
20	16QAM	50	0	20.39	20.57	20.56	22.1	1.5
20	16QAM	50	24	20.67	20.66	20.61		
20	16QAM	50	50	20.57	20.58	20.55	22.1	1.5
20	16QAM	100	0	20.58	20.70	20.60		
20	64QAM	1	0	20.07	20.15	20.09	22.1	1.5
20	64QAM	1	49	20.34	20.43	20.39		
20	64QAM	1	99	20.40	20.40	20.38	21.1	2.5
20	64QAM	50	0	19.66	19.76	19.63		
20	64QAM	50	24	19.73	19.78	19.61	21.1	2.5
20	64QAM	50	50	19.64	19.74	19.65		
20	64QAM	100	0	19.68	19.86	19.69		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2605	2615		
15	QPSK	1	0	22.52	22.29	22.42	23.6	0
15	QPSK	1	37	22.40	22.53	22.43		
15	QPSK	1	74	22.15	22.34	22.22	23.1	0.5
15	QPSK	36	0	21.53	21.69	21.67		
15	QPSK	36	20	21.57	21.65	21.49	23.1	0.5
15	QPSK	36	39	21.46	21.56	21.42		
15	QPSK	75	0	21.46	21.56	21.48	23.1	0.5
15	16QAM	1	0	21.13	21.20	21.02		
15	16QAM	1	37	21.36	21.32	21.29	23.1	0.5
15	16QAM	1	74	21.24	21.30	21.32		
15	16QAM	36	0	20.39	20.39	20.36	22.1	1.5
15	16QAM	36	20	20.55	20.54	20.49		
15	16QAM	36	39	20.42	20.49	20.40	22.1	1.5
15	16QAM	75	0	20.54	20.55	20.56		
15	64QAM	1	0	19.95	20.14	19.97	22.1	1.5
15	64QAM	1	37	20.17	20.37	20.22		
15	64QAM	1	74	20.28	20.23	20.26	21.1	2.5
15	64QAM	36	0	19.66	19.62	19.63		
15	64QAM	36	20	19.68	19.61	19.56	21.1	2.5
15	64QAM	36	39	19.62	19.74	19.63		
15	64QAM	75	0	19.49	19.80	19.50		
Channel				37725	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
10	QPSK	1	0	22.46	22.30	22.36	23.6	0
10	QPSK	1	25	22.38	22.38	22.41		
10	QPSK	1	49	22.30	22.31	22.37	23.1	0.5
10	QPSK	25	0	21.67	21.75	21.81		
10	QPSK	25	12	21.58	21.69	21.50	23.1	0.5
10	QPSK	25	25	21.52	21.66	21.48		
10	QPSK	50	0	21.44	21.44	21.46	23.1	0.5
10	16QAM	1	0	21.05	21.20	21.05		
10	16QAM	1	25	21.37	21.46	21.30	22.1	1.5
10	16QAM	1	49	21.20	21.26	21.28		
10	16QAM	25	0	20.21	20.40	20.38	22.1	1.5
10	16QAM	25	12	20.65	20.57	20.59		
10	16QAM	25	25	20.41	20.52	20.39	22.1	1.5
10	16QAM	50	0	20.52	20.61	20.54		
10	64QAM	1	0	19.96	19.96	20.00	22.1	1.5
10	64QAM	1	25	20.26	20.40	20.31		
10	64QAM	1	49	20.33	20.34	20.31	21.1	2.5
10	64QAM	25	0	19.57	19.74	19.54		
10	64QAM	25	12	19.69	19.62	19.57	21.1	2.5
10	64QAM	25	25	19.57	19.60	19.58		
10	64QAM	50	0	19.50	19.62	19.61		
Channel				37725	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.49	22.17	22.39	23.6	0
5	QPSK	1	12	22.46	22.56	22.49		
5	QPSK	1	24	22.18	22.42	22.25	23.1	0.5
5	QPSK	12	0	21.61	21.79	21.75		
5	QPSK	12	7	21.61	21.71	21.53	23.1	0.5
5	QPSK	12	13	21.54	21.67	21.50		
5	QPSK	25	0	21.44	21.59	21.46	23.1	0.5
5	16QAM	1	0	21.08	21.28	20.97		
5	16QAM	1	12	21.34	21.29	21.27	22.1	1.5
5	16QAM	1	24	21.20	21.21	21.28		
5	16QAM	12	0	20.36	20.56	20.53	22.1	1.5
5	16QAM	12	7	20.67	20.57	20.61		
5	16QAM	12	13	20.54	20.51	20.52	22.1	1.5
5	16QAM	25	0	20.52	20.59	20.54		
5	64QAM	1	0	20.00	20.10	20.02	22.1	1.5
5	64QAM	1	12	20.29	20.35	20.34		
5	64QAM	1	24	20.32	20.21	20.30	21.1	2.5
5	64QAM	12	0	19.47	19.64	19.44		
5	64QAM	12	7	19.59	19.64	19.47	21.1	2.5
5	64QAM	12	13	19.56	19.59	19.57		
5	64QAM	25	0	19.66	19.83	19.67		

Band 41_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	22.65	22.55	22.44	22.58	23.6	0
20	QPSK	1	49	22.49	22.54	22.52	22.60		
20	QPSK	1	99	22.53	22.61	22.57	22.51	23.1	0.5
20	QPSK	50	0	21.87	22.00	21.99	21.99		
20	QPSK	50	24	21.92	21.96	21.84	21.93	23.1	0.5
20	QPSK	50	50	21.68	21.84	21.80	21.69		
20	16QAM	1	0	21.67	21.90	21.77	21.73	23.1	0.5
20	16QAM	1	49	21.90	22.09	22.04	22.02		
20	16QAM	1	99	21.99	21.99	21.96	21.80	22.1	1.5
20	16QAM	50	0	21.44	21.47	21.34	21.42		
20	16QAM	50	24	21.27	21.43	21.25	21.24	22.1	1.5
20	16QAM	50	50	21.19	21.33	21.14	21.24		
20	16QAM	100	0	21.12	21.31	21.29	21.31	22.1	1.5
20	64QAM	1	0	20.67	20.85	20.81	20.81		
20	64QAM	1	49	21.04	21.17	21.00	21.13	22.1	1.5
20	64QAM	1	99	20.73	20.80	20.68	20.61		
20	64QAM	50	0	20.19	20.33	20.27	20.32	21.1	2.5
20	64QAM	50	24	20.40	20.52	20.39	20.49		
20	64QAM	50	50	20.38	20.42	20.42	20.35	21.1	2.5
20	64QAM	100	0	20.45	20.62	20.49	20.62		
Channel				40115	40395	40665	41165		
Frequency (MHz)				2545.5	2570.5	2595.5	2645.5		
15	QPSK	1	0	22.48	22.43	22.37	22.46	23.6	0
15	QPSK	1	37	22.31	22.52	22.34	22.48		
15	QPSK	1	74	22.41	22.55	22.45	22.45	23.1	0.5
15	QPSK	36	0	22.26	22.30	22.38	22.29		
15	QPSK	36	20	22.20	22.30	22.12	22.27	23.1	0.5
15	QPSK	36	39	21.99	22.08	22.11	21.93		
15	QPSK	75	0	22.20	22.28	22.10	22.11	23.1	0.5
15	16QAM	1	0	21.77	21.98	21.74	21.89		
15	16QAM	1	37	21.81	21.90	21.95	21.83	23.1	0.5
15	16QAM	1	74	21.83	21.98	21.80	21.79		
15	16QAM	36	0	21.37	21.45	21.27	21.40	22.1	1.5
15	16QAM	36	20	21.12	21.35	21.10	21.16		
15	16QAM	36	39	21.16	21.23	21.11	21.14	22.1	1.5
15	16QAM	75	0	21.12	21.25	21.29	21.25		
15	64QAM	1	0	20.67	20.79	20.81	20.75	22.1	1.5
15	64QAM	1	37	20.67	21.16	20.83	21.12		
15	64QAM	1	74	20.64	20.79	20.59	20.60	21.1	2.5
15	64QAM	36	0	20.13	20.20	20.21	20.19		
15	64QAM	36	20	20.35	20.45	20.34	20.42	21.1	2.5
15	64QAM	36	39	20.38	20.26	20.42	20.19		
15	64QAM	75	0	20.39	20.48	20.43	20.48		
Channel				40395	40665	40935	41165		
Frequency (MHz)				2540	2570	2600	2650		



DSI3

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	30.00	20.00	20.02	19.95	21.00
Frequency (MHz)	29.00	29.02	28.95	30.00	19.97	19.96	19.89	21.00
GSM 1 Tx slot	28.97	28.96	28.89	30.00	19.97	19.96	19.89	21.00
GPRS 1 Tx slot	28.97	28.96	28.89	30.00	19.97	19.96	19.89	21.00
GPRS 2 Tx slots	26.64	26.62	26.68	27.80	20.64	20.62	20.68	21.80
GPRS 3 Tx slots	25.01	24.85	25.00	26.00	20.75	20.59	20.74	21.74
GPRS 4 Tx slots	24.20	24.38	24.14	25.50	21.20	21.38	21.14	22.50
EDGE 1 Tx slot	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 2 Tx slots	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 3 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 4 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM850_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	32.70	22.74	22.69	22.81	23.70
Frequency (MHz)	31.74	31.69	31.81	32.70	22.74	22.69	22.81	23.70
GSM 1 Tx slot	31.74	31.69	31.81	32.70	22.74	22.69	22.81	23.70
GPRS 1 Tx slot	31.74	31.69	31.81	32.70	22.74	22.69	22.81	23.70
GPRS 2 Tx slots	30.15	30.20	30.19	31.00	24.15	24.20	24.19	25.00
GPRS 3 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 4 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
EDGE 1 Tx slot	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 2 Tx slots	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 3 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 4 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	30.50	20.35	20.40	20.45	21.50
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.35	20.40	20.45	21.50
GSM 1 Tx slot	29.35	29.40	29.45	30.50	20.35	20.40	20.45	21.50
GPRS 1 Tx slot	29.32	29.30	29.35	30.50	20.32	20.30	20.35	21.50
GPRS 2 Tx slots	27.24	27.35	27.26	29.50	21.24	21.35	21.26	22.50
GPRS 3 Tx slots	24.82	24.96	24.93	28.10	20.56	20.70	20.67	21.84
GPRS 4 Tx slots	23.78	23.82	23.95	24.80	20.78	20.82	20.95	21.80
EDGE 1 Tx slot	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 2 Tx slots	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 3 Tx slots	21.18	21.24	21.60	22.30	16.92	16.98	17.34	18.04
EDGE 4 Tx slots	19.85	20.10	20.23	21.00	16.85	17.10	17.23	18.00

Band	WCDMA II_Ant31			Tune-up Limit (dBm)	WCDMA IV_Ant31			Tune-up Limit (dBm)	WCDMA V_Ant31			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	23.00	1537	1638	1738	4357	4407	4458	23.00	
Frequency (MHz)	1852.4	1880	1907.6	23.00	1712.4	1732.6	1752.6	4357	4407	4458	23.00	
3GPP Rel 99	AMR 12.2Kbps	22.82	22.88	22.96	24.30	22.95	22.98	22.99	24.30	23.04	22.88	23.03
3GPP Rel 99	RMC 12.2Kbps	23.00	23.05	22.96	24.30	22.98	23.05	22.94	24.30	23.09	23.10	23.05
3GPP Rel 6	HSDPA Subtest-1	21.81	21.85	21.93	23.10	22.06	21.91	22.08	23.10	21.99	22.05	22.07
3GPP Rel 6	HSDPA Subtest-2	21.95	21.89	22.07	23.10	22.03	22.11	22.04	23.10	21.88	21.97	21.92
3GPP Rel 6	HSDPA Subtest-3	21.43	21.40	21.60	22.60	21.52	21.62	21.55	22.60	21.39	21.50	21.45
3GPP Rel 6	HSDPA Subtest-4	21.43	21.39	21.59	22.60	21.50	21.62	21.54	22.60	21.37	21.48	21.44
3GPP Rel 8	DC-HSDPA Subtest-1	21.78	21.73	21.83	23.10	22.03	21.90	22.02	23.10	21.97	21.83	21.94
3GPP Rel 8	DC-HSDPA Subtest-2	21.89	21.84	22.01	23.10	21.99	21.96	21.92	23.10	21.83	21.94	21.85
3GPP Rel 8	DC-HSDPA Subtest-3	21.36	21.34	21.55	22.60	21.48	21.58	21.53	22.60	21.25	21.35	21.37
3GPP Rel 8	DC-HSDPA Subtest-4	21.38	21.27	21.44	22.60	21.45	21.50	21.46	22.60	21.36	21.38	21.32
3GPP Rel 6	HSUPA Subtest-1	21.91	21.88	21.94	23.10	21.91	22.01	21.93	23.10	21.80	21.92	21.91
3GPP Rel 6	HSUPA Subtest-2	19.90	19.91	20.03	21.10	19.95	20.12	20.00	21.10	19.97	20.04	19.91
3GPP Rel 6	HSUPA Subtest-3	20.89	20.85	20.97	22.10	20.97	21.11	20.94	22.10	20.90	20.94	20.94
3GPP Rel 6	HSUPA Subtest-4	19.93	19.87	19.98	21.10	19.96	20.11	19.90	21.10	19.88	19.96	20.09
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	22.00	23.10	22.00	22.10	21.90	23.10	21.80	21.90	22.00

Band	WCDMA V_Ant13			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	22.00
Rx Channel	4357	4407	4458	22.00
Frequency (MHz)	826.4	836.4	846.6	22.00
3GPP Rel 99	AMR 12.2Kbps	20.47	20.47	20.39
3GPP Rel 99	RMC 12.2Kbps	20.46	20.50	20.52
3GPP Rel 6	HSDPA Subtest-1	19.48	19.53	19.55
3GPP Rel 6	HSDPA Subtest-2	19.40	19.44	19.36
3GPP Rel 6	HSDPA Subtest-3	18.95	18.92	18.91
3GPP Rel 6	HSDPA Subtest-4	19.01	18.94	18.90
3GPP Rel 8	DC-HSDPA Subtest-1	19.38	19.56	19.43
3GPP Rel 8	DC-HSDPA Subtest-2	19.34	19.36	19.29
3GPP Rel 8	DC-HSDPA Subtest-3	18.93	18.88	18.99
3GPP Rel 8	DC-HSDPA Subtest-4	18.80	19.00	18.85
3GPP Rel 6	HSUPA Subtest-1	19.42	19.55	19.57
3GPP Rel 6	HSUPA Subtest-2	17.41	17.51	17.48
3GPP Rel 6	HSUPA Subtest-3	18.39	18.49	18.38
3GPP Rel 6	HSUPA Subtest-4	17.58	17.61	17.51
3GPP Rel 6	HSUPA Subtest-5	19.53	19.35	19.47



Band 2_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 16700	Power Middle Ch. Freq. 16800	Power High Ch. Freq. 16900	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.65	22.72	22.89		23.8	0	
20	QPSK	1	49	22.65	22.72	22.89				
20	QPSK	1	99	22.70	22.75	22.85				
20	QPSK	50	0	21.86	21.95	21.91				
20	QPSK	50	24	21.76	21.75	21.80		22.8	1	
20	QPSK	50	50	21.76	21.76	21.80				
20	QPSK	100	0	21.82	21.88	21.85				
20	16QAM	1	0	21.84	21.86	21.41				
20	16QAM	1	49	21.84	21.86	21.72		22.8	1	
20	16QAM	1	99	21.37	21.28	21.67				
20	16QAM	50	0	20.82	20.87	20.83				
20	16QAM	50	24	20.73	20.83	21.04				
20	16QAM	50	50	20.74	20.74	21.01		21.8	2	
20	16QAM	100	0	20.77	20.72	20.80				
20	64QAM	1	0	20.67	20.84	20.73				
20	64QAM	1	49	21.15	21.10	21.12		21.8	2	
20	64QAM	1	99	21.02	20.80	21.12				
20	64QAM	50	0	19.82	19.96	20.06				
20	64QAM	50	24	19.84	19.71	20.04				
20	64QAM	50	50	19.83	19.76	20.17		20.8	3	
20	64QAM	100	0	19.81	19.86	20.02				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.49	22.70	22.53		23.8	0	
15	QPSK	1	37	23.06	23.08	23.01				
15	QPSK	1	74	22.54	22.62	22.89				
15	QPSK	36	0	21.72	21.50	21.77				
15	QPSK	36	24	21.70	21.74	21.83		22.8	1	
15	QPSK	36	39	21.70	21.74	21.87				
15	QPSK	75	0	21.77	21.84	21.80				
15	16QAM	1	0	21.53	21.47	21.30				
15	16QAM	1	37	21.64	21.41	21.72		22.8	1	
15	16QAM	1	74	21.64	21.59	21.64				
15	16QAM	36	0	20.75	20.78	20.86				
15	16QAM	36	20	20.65	20.71	20.89		21.8	2	
15	16QAM	36	39	20.62	20.68	20.89				
15	16QAM	75	0	20.68	20.72	20.81				
15	64QAM	1	0	20.60	20.63	20.68				
15	64QAM	1	37	21.15	21.07	21.12		21.8	2	
15	64QAM	1	74	20.98	20.86	21.08				
15	64QAM	36	0	19.76	19.96	20.00				
15	64QAM	36	20	19.73	19.60	19.93		20.8	3	
15	64QAM	36	39	19.74	19.60	20.08				
15	64QAM	75	0	19.78	19.78	19.99				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53	22.60	22.57		23.8	0	
10	QPSK	1	49	23.06	23.06	23.01				
10	QPSK	1	99	22.70	22.74	22.85				
10	QPSK	25	0	21.74	21.76	21.79				
10	QPSK	25	12	21.74	21.71	21.97		22.8	1	
10	QPSK	25	25	21.73	21.60	21.90				
10	QPSK	50	0	21.79	21.71	21.82				
10	16QAM	1	0	21.80	21.88	21.27				
10	16QAM	1	25	21.57	21.46	21.65		22.8	1	
10	16QAM	1	49	21.20	21.19	21.50				
10	16QAM	25	0	20.63	20.80	20.74				
10	16QAM	25	12	20.55	20.78	20.86		21.8	2	
10	16QAM	25	25	20.62	20.67	20.89				
10	16QAM	50	0	20.73	20.70	20.86				
10	64QAM	1	0	20.56	20.79	20.52				
10	64QAM	1	25	21.09	21.08	21.06		21.8	2	
10	64QAM	1	49	20.91	20.80	21.01				
10	64QAM	25	0	19.83	19.81	19.87				
10	64QAM	25	12	19.85	19.85	19.85		20.8	3	
10	64QAM	25	25	19.80	19.64	20.14				
10	64QAM	50	0	19.73	19.84	19.94				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.53	22.67		23.8	0	
5	QPSK	1	12	22.91	23.17	22.86				
5	QPSK	1	24	22.58	22.74	22.73				
5	QPSK	12	0	21.73	21.75	21.78				
5	QPSK	12	7	21.88	21.59	21.81		22.8	1	
5	QPSK	12	13	21.67	21.62	21.84				
5	QPSK	25	0	21.71	21.70	21.74				
5	16QAM	1	0	21.63	21.51	21.46				
5	16QAM	1	12	21.48	21.56	21.50		22.8	1	
5	16QAM	1	24	21.26	21.07	21.56				
5	16QAM	12	0	20.71	20.70	20.92				
5	16QAM	12	7	20.62	20.76	20.93		21.8	2	
5	16QAM	12	13	20.67	20.63	20.94				
5	16QAM	25	0	20.65	20.65	20.78				
5	64QAM	1	0	20.62	20.69	20.68				
5	64QAM	1	12	20.36	21.01	20.83		21.8	2	
5	64QAM	1	24	21.00	20.89	21.11				
5	64QAM	12	0	19.75	19.85	19.99				
5	64QAM	12	7	19.79	19.67	19.99		20.8	3	
5	64QAM	12	13	19.83	19.63	20.16				
5	64QAM	25	0	19.79	19.77	20.00				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.47	22.65	22.51		23.8	0	
3	QPSK	1	8	22.94	23.03	22.89				
3	QPSK	1	14	22.65	22.65	22.80				
3	QPSK	8	0	21.75	21.82	21.81				
3	QPSK	8	4	21.73	21.67	21.96		22.8	1	
3	QPSK	8	7	21.59	21.73	21.76				
3	QPSK	15	0	21.79	21.60	21.82				
3	16QAM	1	0	21.56	21.47	21.33				
3	16QAM	1	8	21.51	21.45	21.89		22.8	1	
3	16QAM	1	14	21.23	21.25	21.53				
3	16QAM	8	0	20.79	20.77	20.90				
3	16QAM	8	4	20.60	20.74	20.91		21.8	2	
3	16QAM	8	7	20.72	20.86	20.96				
3	16QAM	15	0	20.70	20.53	20.83				
3	64QAM	1	0	20.62	20.75	20.88				
3	64QAM	1	8	21.06	21.00	21.03		21.8	2	
3	64QAM	1	14	20.88	20.79	20.98				
3	64QAM	8	0	19.63	19.87	19.87				
3	64QAM	8	4	19.72	19.69	19.92		20.8	3	
3	64QAM	8	7	19.66	19.68	20.00				
3	64QAM	15	0	19.81	19.85	20.02				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.65	22.67	22.69		23.8	0	
1.4	QPSK	1	3	22.94	23.07	22.89				
1.4	QPSK	1	5	22.59	22.63	22.74				
1.4	QPSK	3	0	22.26	22.83	22.82				
1.4	QPSK	3	1	22.59	22.62	22.82		23.4	0	
1.4	QPSK	3	3	22.83	22.82	22.80				
1.4	QPSK	6	0	21.84	21.84	21.87		23.8	0	
1.4	16QAM	1	0	21.52	21.47	21.29				
1.4	16QAM	1	3	21.62	21.40	21.70				
1.4	16QAM	1	5	21.26	21.08	21.50		23.8	0	
1.4	16QAM	3	0	20.72	20.82	21.05				
1.4	16QAM	3	1	21.61	21.71	21.92				
1.4	16QAM	3	3	21.61	21.59	21.88				
1.4	16QAM	6	0	20.64	20.72	20.77		23.8	0	
1.4	64QAM	1	0	20.55	20.69	20.61				
1.4	64QAM	1	3	21.11	21.07	21.08				
1.4	64QAM	1	5	20.90	20.71	21.00		23.8	0	
1.4	64QAM	3	0	20.72	20.94	20.96				
1.4	64QAM	3	1	20.72	20.70	20.92				
1.4	64QAM	3	3	20.82	20.75	21.16				
1.4	64QAM	6	0	19.72	19.72	19.93		23.8	0	



Band 5_Ant31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23450	23650	23850					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	22.19	22.11	22.27					
10	QPSK	1	25	22.54	22.86	22.60					
10	QPSK	1	49	22.13	22.21	22.22	23.8	0			
10	QPSK	25	0	21.40	21.58	21.52					
10	QPSK	25	12	21.45	21.47	21.56					
10	QPSK	25	25	21.42	21.51	21.57	22.8	1			
10	QPSK	50	0	21.47	21.62	21.61					
10	16QAM	1	0	21.23	21.34	21.51					
10	16QAM	1	25	21.61	21.59	21.51	22.8	1			
10	16QAM	1	49	21.13	21.32	21.27					
10	16QAM	25	0	20.34	20.35	20.28					
10	16QAM	25	12	20.49	20.36	20.82					
10	16QAM	25	25	20.54	20.67	20.42	21.8	2			
10	16QAM	50	0	20.52	20.50	20.68					
10	64QAM	1	0	20.30	20.42	20.50					
10	64QAM	1	25	20.85	20.53	20.70	21.8	2			
10	64QAM	1	49	20.42	20.38	20.40					
10	64QAM	25	0	19.55	19.42	19.62					
10	64QAM	25	12	19.65	19.53	19.71					
10	64QAM	25	25	19.53	19.47	19.51	20.8	3			
10	64QAM	50	0	19.49	19.41	19.75					
Channel				23452	23652	23852					
Frequency (MHz)				829.5	836.5	846.5					
5	QPSK	1	0	22.19	22.05	22.27					
5	QPSK	1	12	22.46	22.50	22.52	23.8	0			
5	QPSK	1	24	22.00	22.08	22.04					
5	QPSK	12	0	21.28	21.49	21.39					
5	QPSK	12	7	21.33	21.39	21.44					
5	QPSK	12	13	21.26	21.38	21.41	22.8	1			
5	QPSK	25	0	21.40	21.52	21.54					
5	16QAM	1	0	21.19	21.22	21.47					
5	16QAM	1	12	21.48	21.52	21.48	22.8	1			
5	16QAM	1	24	21.06	21.18	21.32					
5	16QAM	12	0	20.33	20.27	20.27					
5	16QAM	12	7	20.42	20.34	20.75					
5	16QAM	12	13	20.48	20.57	20.36	21.8	2			
5	16QAM	25	0	20.47	20.47	20.63					
5	64QAM	1	0	20.22	20.36	20.42					
5	64QAM	1	12	20.83	20.39	20.68	21.8	2			
5	64QAM	1	24	20.28	20.25	20.35					
5	64QAM	12	0	19.52	19.34	19.59					
5	64QAM	12	7	19.53	19.41	19.59					
5	64QAM	12	13	19.40	19.38	19.38	20.8	3			
5	64QAM	25	0	19.45	19.40	19.71					
Channel				23415	23625	23835					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	22.05	22.10	22.13					
3	QPSK	1	6	22.38	22.53	22.44	23.8	0			
3	QPSK	1	14	22.06	22.04	22.15					
3	QPSK	8	0	21.23	21.39	21.34					
3	QPSK	8	4	21.31	21.28	21.42	22.8	1			
3	QPSK	8	7	21.32	21.51	21.47					
3	QPSK	15	0	21.43	21.54	21.57					
3	16QAM	1	0	21.04	21.23	21.32					
3	16QAM	1	8	21.57	21.50	21.57	22.8	1			
3	16QAM	1	14	21.02	21.24	21.27					
3	16QAM	8	0	20.29	20.17	20.22					
3	16QAM	8	4	20.44	20.17	20.77	21.8	2			
3	16QAM	8	7	20.38	20.53	20.26					
3	16QAM	15	0	20.40	20.47	20.56					
3	64QAM	1	0	20.14	20.41	20.34					
3	64QAM	1	6	20.82	20.40	20.67	21.8	2			
3	64QAM	1	14	20.39	20.26	20.46					
3	64QAM	8	0	19.52	19.29	19.50					
3	64QAM	8	4	19.48	19.39	19.54					
3	64QAM	8	7	19.40	19.36	19.38	20.8	3			
3	64QAM	15	0	19.34	19.31	19.60					
Channel				23407	23620	23849					
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	22.15	22.06	22.23					
1.4	QPSK	1	3	22.52	22.48	22.58	23.8	0			
1.4	QPSK	1	6	22.00	22.18	22.06					
1.4	QPSK	3	0	22.26	22.39	22.37					
1.4	QPSK	3	1	22.44	22.34	22.55					
1.4	QPSK	3	3	22.40	22.49	22.55					
1.4	QPSK	6	0	21.41	21.43	21.55	22.8	1			
1.4	16QAM	1	0	21.10	21.32	21.38					
1.4	16QAM	1	3	21.51	21.41	21.21					
1.4	16QAM	1	6	21.20	21.18	21.21	22.8	1			
1.4	16QAM	3	0	21.17	21.17	21.11					
1.4	16QAM	3	1	21.31	21.36	21.64					
1.4	16QAM	3	3	21.51	21.55	21.39					
1.4	16QAM	6	0	20.41	20.31	20.57	21.8	2			
1.4	64QAM	1	0	20.16	20.25	20.36					
1.4	64QAM	1	3	20.88	20.34	20.53					
1.4	64QAM	1	6	20.23	20.25	20.30	21.8	2			
1.4	64QAM	3	0	20.36	20.38	20.43					
1.4	64QAM	3	1	20.46	20.45	20.52					
1.4	64QAM	3	3	20.35	20.35	20.35					
1.4	64QAM	6	0	19.44	19.28	19.70	20.8	3			

Band 7_Ant31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23650	23850	24050					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.67	22.59	22.69					
20	QPSK	1	49	22.83	22.85	22.77					
20	QPSK	1	99	22.45	22.56	22.40	23.7	0			
20	QPSK	50	0	21.79	21.88	21.83					
20	QPSK	50	24	21.65	21.70	21.85					
20	QPSK	50	50	21.60	21.77	21.85	22.7	1			
20	QPSK	100	0	21.79	21.85	21.80					
20	16QAM	1	0	21.47	21.39	21.29					
20	16QAM	1	49	21.17	21.71	21.23	22.7	1			
20	16QAM	1	99	21.30	21.40	21.54					
20	16QAM	50	0	20.45	20.75	20.87					
20	16QAM	50	24	20.52	20.79	20.88					
20	16QAM	50	50	20.48	20.62	20.91	21.7	2			
20	16QAM	100	0	20.53	20.82	20.81					
20	64QAM	1	0	20.79	20.85	20.89					
20	64QAM	1	49	21.24	21.15	21.22	21.7	2			
20	64QAM	1	99	20.84	20.90	20.81					
20	64QAM	50	0	19.50	19.68	19.83					
20	64QAM	50	24	19.61	19.84	19.88					
20	64QAM	50	50	19.63	19.75	19.87	20.7	3			
20	64QAM	100	0	19.51	19.86	19.81					
Channel				23652	23852	24052					
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	22.69	22.61	22.71					
15	QPSK	1	37	22.70	22.78	22.74	23.7	0			
15	QPSK	1	74	22.42	22.54	22.37					
15	QPSK	36	0	21.34	21.63	21.78					
15	QPSK	36	20	21.43	21.79	21.81					
15	QPSK	36	39	21.52	21.83	21.88	22.7	1			
15	QPSK	75	0	21.43	21.84	21.83					
15	16QAM	1	0	21.46	21.41	21.28					
15	16QAM	1	37	21.21	21.69	21.27	22.7	1			
15	16QAM	1	74	21.31	21.36	21.55					
15	16QAM	36	0	20.52	20.81	20.94					
15	16QAM	36	20	20.43	20.83	20.80					
15	16QAM	36	39	20.56	20.90	20.99	21.7</				



Band 13_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				762					
Frequency (MHz)				762					
10	QPSK	1	0		21.58		23.3	0	
10	QPSK	1	25		21.92				
10	QPSK	1	49		21.83				
10	QPSK	25	0		20.99		22.3	1	
10	QPSK	25	12		20.85				
10	QPSK	25	25		20.95				
10	QPSK	50	0		20.96		22.3	1	
10	16QAM	1	0		21.03				
10	16QAM	1	25		20.99				
10	16QAM	1	49		20.56		21.3	2	
10	16QAM	25	0		19.95				
10	16QAM	25	12		20.06				
10	16QAM	25	25		19.92		21.3	2	
10	16QAM	50	0		20.05				
10	64QAM	1	0		19.88				
10	64QAM	1	25		19.98		21.3	2	
10	64QAM	1	49		19.98				
10	64QAM	25	0		19.94				
10	64QAM	25	12		18.80		20.3	3	
10	64QAM	25	25		18.86				
10	64QAM	50	0		18.96				
Channel				23205					
Frequency (MHz)				779.5			782	784.5	
5	QPSK	1	0	21.64	21.55	21.57	23.3	0	
5	QPSK	1	12	21.83	21.79	21.75			
5	QPSK	1	24	21.75	21.82	21.72			
5	QPSK	12	0	20.85	20.86	20.80	22.3	1	
5	QPSK	12	7	20.96	20.89	20.91			
5	QPSK	12	13	21.00	21.05	20.93			
5	QPSK	25	0	20.97	20.91	21.04	22.3	1	
5	16QAM	1	0	21.06	21.05	20.99			
5	16QAM	1	12	20.91	20.98	20.86			
5	16QAM	1	24	20.98	20.90	20.57	21.3	2	
5	16QAM	12	0	19.96	19.90	19.91			
5	16QAM	12	7	19.99	20.01	20.05			
5	16QAM	12	13	20.01	20.08	19.99	21.3	2	
5	16QAM	25	0	19.99	20.06	19.90			
5	64QAM	1	0	19.87	19.94	19.84			
5	64QAM	1	12	20.07	20.08	20.12	21.3	2	
5	64QAM	1	24	20.05	19.95	20.09			
5	64QAM	12	0	18.88	19.06	18.97			
5	64QAM	12	7	18.87	18.98	18.80	20.3	3	
5	64QAM	12	13	18.84	18.99	18.93			
5	64QAM	25	0	19.05	18.92	18.96			

Band 26_Ant13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				821.5			831.5	841.5	
Frequency (MHz)				821.5			831.5	841.5	
15	QPSK	1	0		19.83	19.96	20.07	21	0
15	QPSK	1	37		19.97	20.15	20.04		
15	QPSK	1	74		19.72	19.88	19.72		
15	QPSK	36	0		19.95	19.99	19.90	21	0
15	QPSK	36	20		19.80	19.88	19.74		
15	QPSK	36	39		19.84	19.91	19.91		
15	QPSK	75	0		19.70	19.96	19.79	21	0
15	16QAM	1	0		19.76	19.95	19.95		
15	16QAM	1	37		20.02	20.11	20.00		
15	16QAM	1	74		19.56	19.56	19.60	21	0
15	16QAM	36	0		19.88	19.88	19.73		
15	16QAM	36	20		20.07	20.07	19.96		
15	16QAM	36	39		19.83	19.86	19.79	21	0
15	16QAM	75	0		19.82	19.82	19.68		
15	64QAM	1	0		19.60	19.56	19.55		
15	64QAM	1	37		19.98	20.10	19.96	21	0
15	64QAM	1	74		19.90	19.95	19.94		
15	64QAM	36	0		19.86	20.05	19.90		
15	64QAM	36	20		19.85	19.95	19.95	21	0
15	64QAM	36	39		19.86	20.01	19.96		
15	64QAM	75	0		19.81	19.83	19.70		
Channel				23242			23355	23555	
Frequency (MHz)				810			831.5	844	
10	QPSK	1	0	19.69	19.88	19.93	21	0	
10	QPSK	1	25	19.91	20.12	19.98			
10	QPSK	1	49	19.60	19.83	19.60			
10	QPSK	25	0	19.94	19.91	19.89	21	0	
10	QPSK	25	12	19.73	19.77	19.87			
10	QPSK	25	25	19.74	19.91	19.81			
10	QPSK	50	0	19.67	19.79	19.76	21	0	
10	16QAM	1	0	19.71	19.94	19.90			
10	16QAM	1	25	20.01	20.11	19.99			
10	16QAM	1	49	19.50	19.49	19.54	21	0	
10	16QAM	25	0	19.76	19.79	19.63			
10	16QAM	25	12	20.07	20.05	19.96			
10	16QAM	25	25	19.67	19.72	19.63	21	0	
10	16QAM	50	0	19.73	19.74	19.59			
10	64QAM	1	0	19.49	19.38	19.44			
10	64QAM	1	25	19.87	20.08	19.87	21	0	
10	64QAM	1	49	19.73	19.76	19.77			
10	64QAM	25	0	19.73	20.05	19.77			
10	64QAM	25	12	19.80	19.80	19.90	21	0	
10	64QAM	25	25	19.81	19.91	19.91			
10	64QAM	50	0	19.62	19.79	19.51			
Channel				26715			26865	27015	
Frequency (MHz)				816.5			831.5	846.5	
5	QPSK	1	0	19.78	19.90	20.02	21	0	
5	QPSK	1	12	19.62	19.96	19.86			
5	QPSK	1	24	19.66	19.69	19.66			
5	QPSK	12	0	19.91	19.89	19.86	21	0	
5	QPSK	12	7	19.74	19.76	19.68			
5	QPSK	12	13	19.81	19.82	19.88			
5	QPSK	25	0	19.55	19.74	19.64	21	0	
5	16QAM	1	0	19.70	19.86	19.89			
5	16QAM	1	12	19.92	20.08	19.90			
5	16QAM	1	24	19.53	19.47	19.67	21	0	
5	16QAM	12	0	19.79	19.72	19.64			
5	16QAM	12	7	20.07	19.94	19.86			
5	16QAM	12	13	19.83	19.89	19.76	21	0	
5	16QAM	25	0	19.65	19.68	19.51			
5	64QAM	1	0	19.60	19.52	19.55			
5	64QAM	1	12	19.96	20.07	19.96	21	0	
5	64QAM	1	24	19.90	19.86	19.94			
5	64QAM	12	0	19.76	19.90	19.90			
5	64QAM	12	7	19.73	19.81	19.83	21	0	
5	64QAM	12	13	19.69	19.93	19.79			
5	64QAM	25	0	19.71	19.78	19.60			
Channel				26705			26865	27025	
Frequency (MHz)				816.5			831.5	847.5	
3	QPSK	1	0	19.93	19.92	20.07	21	0	
3	QPSK	1	8	19.86	20.06	19.93			
3	QPSK	1	14	19.56	19.85	19.56			
3	QPSK	8	0	19.91	19.90	19.86	21	0	
3	QPSK	8	4	19.84	19.96	19.58			
3	QPSK	8	7	19.72	19.89	19.79			
3	QPSK	15	0	19.68	19.69	19.77	21	0	
3	16QAM	1	0	19.62	19.80	19.81			
3	16QAM	1	8	20.00	20.02	19.98			
3	16QAM	1	14	19.44	19.46	19.48	21	0	
3	16QAM	8	0	19.72	19.82	19.57			
3	16QAM	8	4	20.02	20.05	19.91			
3	16QAM	8	7	19.70	19.89	19.66	21	0	
3	16QAM	15	0	19.76	19.64	19.62			
3	64QAM	1	0	19.42	19.52	19.37			
3	64QAM	1	8	19.98	20.03	19.98	21	0	
3	64QAM	1	14	19.82	19.92	19.86			
3	64QAM	8	0	19.80	20.05	19.84			
3	64QAM	8	4	19.70	19.84	19.80	21	0	
3	64QAM	8	7	19.76	19.92	19.86			
3	64QAM	15	0	19.66	19.84	19.55			
Channel				26697			26865	27033	
Frequency (MHz)				814.7			831.5	848.3	
1.4	QPSK	1	0	19.73	19.95	19.97	21	0	
1.4	QPSK	1	3	19.97	19.96	20.04			
1.4	QPSK	1	5	19.55	19.76	19.55			
1.4	QPSK	3	0	19.83	19.97	19.78	21	0	
1.4	QPSK	3	1	19.73	19.70	19.67			
1.4	QPSK	3	3	19.66	19.82	19.73			
1.4	QPSK	6	0	19.62	19.67	19.71	21	0	
1.4	16QAM	1	0	19.60	19.67	19.79			
1.4	16QAM	1	3	19.89	19.92	19.87			
1.4	16QAM	3	0	19.77	19.81	19.82	21	0	
1.4	16QAM	3	1	19.94	20.02	19.83			
1.4	16QAM	3	3	19.64	19.75	19.60			
1.4	16QAM	6	0	19.63	19.80	19.40	21	0	
1.4	64QAM	1	0	19.58	19.53	19.53			
1.4	64QAM	1	3	19.88					



Band 26_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 26765	Power Middle Ch. Freq. 26865	Power High Ch. Freq. 26965	Tune-up limit (dBm)	MPR (dB)	
Channel				821.5	831.5	841.5			
Frequency (MHz)									
15	QPSK	1	0	22.72	22.70	22.80	23.8	0	
15	QPSK	1	37	23.10	23.15	23.05			
15	QPSK	1	74	22.77	22.85	22.92			
15	QPSK	36	0	21.65	21.95	21.91			
15	QPSK	36	20	21.89	21.80	21.94			
15	QPSK	36	39	21.71	21.84	21.91	22.8	1	
15	QPSK	75	0	21.88	21.99	21.97			
15	16QAM	1	0	21.95	21.21	21.84			
15	16QAM	1	37	21.56	21.70	21.80	22.8	1	
15	16QAM	1	74	21.85	21.52	21.74			
15	16QAM	36	0	20.58	20.63	20.79			
15	16QAM	36	20	20.66	20.57	20.90			
15	16QAM	36	39	20.84	20.84	20.82	21.8	2	
15	16QAM	75	0	20.61	20.74	20.90			
15	64QAM	1	0	20.53	20.72	21.17			
15	64QAM	1	37	21.12	20.68	20.85	21.8	2	
15	64QAM	1	74	20.68	20.82	20.86			
15	64QAM	36	0	19.84	19.81	19.89			
15	64QAM	36	20	19.80	19.75	20.10	20.8	3	
15	64QAM	36	39	19.82	19.83	19.99			
15	64QAM	75	0	19.83	19.90	19.96			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.70	22.66	22.76	23.8	0	
10	QPSK	1	25	23.09	23.01	23.04			
10	QPSK	1	49	22.75	22.64	22.90			
10	QPSK	25	0	21.58	21.85	21.84			
10	QPSK	25	12	21.64	21.78	21.89	22.8	1	
10	QPSK	25	25	21.55	21.80	21.75			
10	QPSK	50	0	21.72	21.85	21.81			
10	16QAM	1	0	21.41	21.04	21.50			
10	16QAM	1	25	21.49	21.57	21.73	22.8	1	
10	16QAM	1	49	21.58	21.45	21.85			
10	16QAM	25	0	20.58	20.59	20.79			
10	16QAM	25	12	20.82	20.40	20.86	21.8	2	
10	16QAM	25	25	20.47	20.72	20.85			
10	16QAM	50	0	20.48	20.74	20.77			
10	64QAM	1	0	20.41	20.63	21.05			
10	64QAM	1	25	21.03	20.63	20.76	21.8	2	
10	64QAM	1	49	20.82	20.74	20.82			
10	64QAM	25	0	19.82	19.76	19.87			
10	64QAM	25	12	19.80	19.83	20.10	20.8	3	
10	64QAM	25	25	19.77	19.81	19.94			
10	64QAM	50	0	19.91	19.79	19.93			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.54	22.69	22.82	23.8	0	
5	QPSK	1	12	23.04	22.98	22.99			
5	QPSK	1	24	22.59	22.53	22.74			
5	QPSK	12	0	21.81	21.86	21.87			
5	QPSK	12	7	21.52	21.71	21.77	22.8	1	
5	QPSK	12	13	21.84	21.71	21.84			
5	QPSK	25	0	21.69	21.89	21.78			
5	16QAM	1	0	21.44	21.19	21.53			
5	16QAM	1	12	21.37	21.54	21.61	22.8	1	
5	16QAM	1	24	21.58	21.43	21.67			
5	16QAM	12	0	20.52	20.56	20.73			
5	16QAM	12	7	20.65	20.45	20.89	21.8	2	
5	16QAM	12	13	20.46	20.73	20.94			
5	16QAM	25	0	20.44	20.67	20.73			
5	64QAM	1	0	20.49	20.54	21.13			
5	64QAM	1	12	21.06	20.60	20.79	21.8	2	
5	64QAM	1	24	20.55	20.94	20.75			
5	64QAM	12	0	19.96	19.78	19.81			
5	64QAM	12	7	19.70	19.82	20.00	20.8	3	
5	64QAM	12	13	19.70	19.76	19.87			
5	64QAM	25	0	19.75	19.79	19.77			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
3	QPSK	1	0	22.80	22.52	22.68	23.8	0	
3	QPSK	1	8	23.01	23.02	22.96			
3	QPSK	1	14	22.60	22.53	22.75			
3	QPSK	8	0	21.53	21.76	21.79			
3	QPSK	8	4	21.57	21.73	21.82	22.8	1	
3	QPSK	8	7	21.53	21.73	21.73			
3	QPSK	15	0	21.88	21.88	21.97			
3	16QAM	1	0	21.48	21.08	21.57			
3	16QAM	1	8	21.50	21.55	21.74	22.8	1	
3	16QAM	1	14	21.55	21.51	21.84			
3	16QAM	8	0	20.57	20.47	20.76			
3	16QAM	8	4	20.49	20.54	20.73	21.8	2	
3	16QAM	8	7	20.45	20.72	20.63			
3	16QAM	15	0	20.55	20.64	20.84			
3	64QAM	1	0	20.38	20.67	21.02			
3	64QAM	1	8	21.12	20.67	20.85	21.8	2	
3	64QAM	1	14	20.68	20.70	20.88			
3	64QAM	8	0	19.49	19.66	19.74			
3	64QAM	8	4	19.69	19.59	19.99	20.8	3	
3	64QAM	8	7	19.73	19.70	19.90			
3	64QAM	15	0	19.80	19.73	19.88			
Channel				26897	26895	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.62	22.66	22.70	23.8	0	
1.4	QPSK	1	3	23.03	23.14	22.98			
1.4	QPSK	1	6	22.77	22.83	22.82			
1.4	QPSK	3	0	22.51	22.91	22.77			
1.4	QPSK	3	1	22.53	22.80	22.78			
1.4	QPSK	3	3	22.60	22.67	22.80	22.8	1	
1.4	QPSK	6	0	21.79	21.95	21.88			
1.4	16QAM	1	0	21.53	21.13	21.62			
1.4	16QAM	1	3	21.49	21.66	21.73	22.8	1	
1.4	16QAM	1	5	21.51	21.47	21.60			
1.4	16QAM	3	0	21.55	21.48	21.76	22.8	1	
1.4	16QAM	3	1	21.51	21.40	21.75			
1.4	16QAM	3	3	21.52	21.80	21.70			
1.4	16QAM	6	0	20.46	20.60	20.75	21.8	2	
1.4	64QAM	1	0	20.50	20.54	21.14			
1.4	64QAM	1	3	20.97	20.58	20.70			
1.4	64QAM	1	5	20.56	20.79	20.76	21.8	2	
1.4	64QAM	3	0	20.46	20.73	20.71			
1.4	64QAM	3	1	20.63	20.72	20.93			
1.4	64QAM	3	3	20.80	20.72	20.97			
1.4	64QAM	6	0	19.81	19.73	19.83	20.8	3	

Band 66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 130972	Power Middle Ch. Freq. 130922	Power High Ch. Freq. 130972	Tune-up limit (dBm)	MPR (dB)	
Channel				1720	1745	1770			
Frequency (MHz)									
20	QPSK	1	0	22.88	22.85	22.75	23.8	0	
20	QPSK	1	49	23.15	23.35	23.20			
20	QPSK	1	99	22.77	22.86	22.80			
20	QPSK	50	0	21.66	22.07	21.83			
20	QPSK	50	24	21.86	21.97	21.58			
20	QPSK	50	50	21.79	21.90	21.52	22.8	1	
20	QPSK	100	0	21.89	22.00	21.57			
20	16QAM	1	0	21.40	21.55	21.41			
20	16QAM	1	49	21.35	21.48	21.27	22.8	1	
20	16QAM	1	99	21.41	21.40	21.07			
20	16QAM	50	0	20.76	21.05	20.56			
20	16QAM	50	24	20.70	20.89	20.86			
20	16QAM	50	50	20.80	21.03	20.59	21.8	2	
20	16QAM	100	0	20.82	21.02	20.64			
20	64QAM	1	0	20.95	21.00	20.84			
20	64QAM	1	49	21.05	21.17	21.10	21.8	2	
20	64QAM	1	99	20.88	21.13	20.90			
20	64QAM	50	0	19.69	20.15	19.66			
20	64QAM	50	24	19.81	19.99	19.65	20.8	3	
20	64QAM	50	50	19.77	19.97	19.84			



Band 38_Ant 31								
BW [MHz]	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)				2530	2595	2610		
20	QPSK	1	0	22.55	22.35	22.45	23.6	0
20	QPSK	1	49	22.51	22.37	22.54		
20	QPSK	1	99	22.34	22.44	22.41	23.1	0.5
20	QPSK	50	0	21.69	21.84	21.83		
20	QPSK	50	24	21.73	21.81	21.65	23.1	0.5
20	QPSK	50	50	21.60	21.68	21.56		
20	QPSK	100	0	21.55	21.63	21.67	22.1	1.5
20	16QAM	1	0	21.23	21.29	21.12		
20	16QAM	1	49	21.40	21.47	21.33	23.1	0.5
20	16QAM	1	99	21.24	21.36	21.32		
20	16QAM	50	0	20.39	20.57	20.56	22.1	1.5
20	16QAM	50	24	20.67	20.66	20.61		
20	16QAM	50	50	20.57	20.58	20.55	22.1	1.5
20	16QAM	100	0	20.58	20.70	20.60		
20	64QAM	1	0	20.07	20.15	20.09	22.1	1.5
20	64QAM	1	49	20.34	20.43	20.39		
20	64QAM	1	99	20.40	20.40	20.38	21.1	2.5
20	64QAM	50	0	19.66	19.76	19.63		
20	64QAM	50	24	19.73	19.78	19.61	21.1	2.5
20	64QAM	50	50	19.64	19.74	19.65		
20	64QAM	100	0	19.68	19.86	19.69		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2605	2615		
15	QPSK	1	0	22.52	22.29	22.42	23.6	0
15	QPSK	1	37	22.40	22.53	22.43		
15	QPSK	1	74	22.15	22.34	22.22	23.1	0.5
15	QPSK	36	0	21.53	21.69	21.67		
15	QPSK	36	20	21.57	21.65	21.49	23.1	0.5
15	QPSK	36	39	21.46	21.56	21.42		
15	QPSK	75	0	21.46	21.56	21.48	23.1	0.5
15	16QAM	1	0	21.13	21.20	21.02		
15	16QAM	1	37	21.36	21.32	21.29	23.1	0.5
15	16QAM	1	74	21.24	21.30	21.32		
15	16QAM	36	0	20.39	20.39	20.36	22.1	1.5
15	16QAM	36	20	20.55	20.54	20.49		
15	16QAM	36	39	20.42	20.49	20.40	22.1	1.5
15	16QAM	75	0	20.54	20.55	20.56		
15	64QAM	1	0	19.95	20.14	19.97	22.1	1.5
15	64QAM	1	37	20.17	20.37	20.22		
15	64QAM	1	74	20.28	20.23	20.26	21.1	2.5
15	64QAM	36	0	19.66	19.62	19.63		
15	64QAM	36	20	19.68	19.61	19.56	21.1	2.5
15	64QAM	36	39	19.62	19.74	19.63		
15	64QAM	75	0	19.49	19.80	19.50		
Channel				37725	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
10	QPSK	1	0	22.46	22.30	22.36	23.6	0
10	QPSK	1	25	22.38	22.38	22.41		
10	QPSK	1	49	22.30	22.31	22.37	23.1	0.5
10	QPSK	25	0	21.67	21.75	21.81		
10	QPSK	25	12	21.58	21.69	21.50	23.1	0.5
10	QPSK	25	25	21.52	21.66	21.48		
10	QPSK	50	0	21.44	21.44	21.46	23.1	0.5
10	16QAM	1	0	21.05	21.20	21.05		
10	16QAM	1	25	21.37	21.46	21.30	23.1	0.5
10	16QAM	1	49	21.20	21.26	21.28		
10	16QAM	25	0	20.21	20.40	20.38	22.1	1.5
10	16QAM	25	12	20.65	20.57	20.59		
10	16QAM	25	25	20.41	20.52	20.39	22.1	1.5
10	16QAM	50	0	20.52	20.61	20.54		
10	64QAM	1	0	19.96	19.96	20.00	22.1	1.5
10	64QAM	1	25	20.26	20.40	20.31		
10	64QAM	1	49	20.33	20.34	20.31	21.1	2.5
10	64QAM	25	0	19.57	19.74	19.54		
10	64QAM	25	12	19.69	19.62	19.57	21.1	2.5
10	64QAM	25	25	19.57	19.60	19.58		
10	64QAM	50	0	19.50	19.62	19.61		
Channel				37725	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.49	22.17	22.39	23.6	0
5	QPSK	1	12	22.46	22.56	22.49		
5	QPSK	1	24	22.18	22.42	22.25	23.1	0.5
5	QPSK	12	0	21.61	21.79	21.75		
5	QPSK	12	7	21.61	21.71	21.53	23.1	0.5
5	QPSK	12	13	21.54	21.67	21.50		
5	QPSK	25	0	21.44	21.59	21.46	23.1	0.5
5	16QAM	1	0	21.08	21.28	20.97		
5	16QAM	1	12	21.34	21.29	21.27	22.1	1.5
5	16QAM	1	24	21.20	21.21	21.28		
5	16QAM	12	0	20.36	20.56	20.53	22.1	1.5
5	16QAM	12	7	20.67	20.57	20.61		
5	16QAM	12	13	20.54	20.51	20.52	22.1	1.5
5	16QAM	25	0	20.52	20.59	20.54		
5	64QAM	1	0	20.00	20.10	20.02	22.1	1.5
5	64QAM	1	12	20.29	20.35	20.34		
5	64QAM	1	24	20.32	20.21	20.30	21.1	2.5
5	64QAM	12	0	19.47	19.64	19.44		
5	64QAM	12	7	19.59	19.64	19.47	21.1	2.5
5	64QAM	12	13	19.56	19.59	19.57		
5	64QAM	25	0	19.66	19.83	19.67		

Band 41_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	22.65	22.56	22.44	22.58	23.6	0
20	QPSK	1	49	22.49	22.54	22.52	22.60		
20	QPSK	1	99	22.53	22.61	22.57	22.51	23.1	0.5
20	QPSK	50	0	21.87	22.00	21.99	21.99		
20	QPSK	50	24	21.92	21.96	21.84	21.93	23.1	0.5
20	QPSK	50	50	21.68	21.84	21.80	21.69		
20	16QAM	50	24	21.27	21.43	21.25	21.24	22.1	1.5
20	16QAM	1	0	21.95	22.00	21.92	21.93		
20	16QAM	1	49	21.90	22.09	22.04	22.02	23.1	0.5
20	16QAM	1	99	21.99	21.99	21.96	21.80		
20	16QAM	50	0	21.44	21.47	21.34	21.42	22.1	1.5
20	16QAM	50	24	21.19	21.33	21.14	21.24		
20	16QAM	50	50	21.19	21.33	21.14	21.24	22.1	1.5
20	16QAM	100	0	21.12	21.31	21.29	21.31		
20	64QAM	1	0	20.67	20.85	20.81	20.81	22.1	1.5
20	64QAM	1	49	21.04	21.17	21.00	21.13		
20	64QAM	1	99	20.73	20.80	20.68	20.61	21.1	2.5
20	64QAM	50	0	20.19	20.33	20.27	20.32		
20	64QAM	50	24	20.40	20.52	20.39	20.49	21.1	2.5
20	64QAM	50	50	20.38	20.42	20.42	20.35		
20	64QAM	100	0	20.45	20.62	20.49	20.62		
Channel				40115	40395	40665	41165		
Frequency (MHz)				2545.5	2570.5	2595.5	2645.5		
15	QPSK	1	0	22.48	22.43	22.37	22.46	23.6	0
15	QPSK	1	37	22.31	22.52	22.34	22.48		
15	QPSK	1	74	22.41	22.55	22.45	22.45	23.1	0.5
15	QPSK	36	0	22.26	22.30	22.38	22.29		
15	QPSK	36	20	22.20	22.30	22.12	22.27	23.1	0.5
15	QPSK	36	39	21.99	22.08	22.11	21.93		
15	QPSK	75	0	22.20	22.28	22.10	22.11	23.1	0.5
15	16QAM	1	0	21.77	21.98	21.74	21.89		
15	16QAM	1	37	21.81	21.90	21.95	21.83	23.1	0.5
15	16QAM	1	74	21.83	21.98	21.80	21.79		
15	16QAM	36	0	21.37	21.45	21.27	21.40	22.1	1.5
15	16QAM	36	20	21.12	21.35	21.10	21.16		
15	16QAM	36	39	21.16	21.23	21.11	21.14	22.1	1.5
15	16QAM	75	0	21.12	21.25	21.29	21.25		
15	64QAM	1	0	20.67	20.79	20.81	20.75	22.1	1.5
15	64QAM	1	37	20.67	21.16	20.83	21.12		
15	64QAM	1	74	20.64	20.79	20.59	20.60	21.1	2.5
15	64QAM	36	0	20.13	20.20	20.21	20.19		
15	64QAM	36	20	20.35	20.45	20.34	20.42	21.1	2.5
15	64QAM	36	39	20.38	20.26	20.42	20.19		
15	64QAM	75	0	20.39	20.48	20.43	20.48		
Channel				40395	40665				



Band 2_Ant13									
BW (MHz)	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	17.60	17.66	17.62			
20	QPSK	1	49	17.63	17.71	17.65	18.5	0	
20	QPSK	1	99	17.66	17.68	17.64			
20	QPSK	50	0	17.40	17.45	17.43			
20	QPSK	50	24	17.47	17.52	17.48	18.5	0	
20	QPSK	50	50	17.45	17.52	17.52			
20	QPSK	100	0	17.44	17.51	17.51			
20	16QAM	1	0	17.44	17.55	17.56			
20	16QAM	1	49	17.41	17.52	17.58	18.5	0	
20	16QAM	1	99	17.40	17.54	17.58			
20	16QAM	50	0	17.41	17.50	17.60			
20	16QAM	50	24	17.39	17.62	17.59	18.5	0	
20	16QAM	50	50	17.48	17.56	17.52			
20	16QAM	100	0	17.48	17.61	17.54			
20	64QAM	1	0	17.51	17.60	17.51			
20	64QAM	1	49	17.40	17.63	17.51	18.5	0	
20	64QAM	1	99	17.40	17.54	17.58			
20	64QAM	50	0	17.44	17.63	17.58			
20	64QAM	50	24	17.45	17.63	17.61	18.5	0	
20	64QAM	50	50	17.40	17.63	17.52			
20	64QAM	100	0	17.44	17.51	17.56			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.50	17.57	17.65			
15	QPSK	1	37	17.51	17.62	17.70	18.5	0	
15	QPSK	1	74	17.53	17.63	17.70			
15	QPSK	36	0	17.36	17.57	17.47			
15	QPSK	36	20	17.45	17.42	17.44	18.5	0	
15	QPSK	36	39	17.29	17.36	17.39			
15	16QAM	75	0	17.20	17.45	17.46			
15	16QAM	1	0	17.38	17.48	17.45			
15	16QAM	1	37	17.31	17.40	17.56	18.5	0	
15	16QAM	1	74	17.34	17.42	17.47			
15	16QAM	36	0	17.37	17.35	17.55			
15	16QAM	36	20	17.27	17.59	17.53	18.5	0	
15	16QAM	36	39	17.44	17.58	17.46			
15	16QAM	75	0	17.44	17.58	17.45			
15	64QAM	1	0	17.38	17.58	17.43			
15	64QAM	1	37	17.38	17.61	17.49	18.5	0	
15	64QAM	1	74	17.42	17.51	17.52			
15	64QAM	36	0	17.33	17.51	17.48			
15	64QAM	36	20	17.35	17.52	17.46	18.5	0	
15	64QAM	36	39	17.26	17.48	17.37			
15	64QAM	75	0	17.36	17.43	17.52			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.48	17.57	17.66			
10	QPSK	1	25	17.56	17.63	17.67	18.5	0	
10	QPSK	1	49	17.54	17.63	17.68			
10	QPSK	25	0	17.20	17.45	17.37			
10	QPSK	25	12	17.32	17.44	17.33	18.5	0	
10	QPSK	25	25	17.34	17.43	17.50			
10	QPSK	50	0	17.32	17.39	17.43			
10	16QAM	1	0	17.35	17.49	17.45			
10	16QAM	1	25	17.35	17.49	17.54	18.5	0	
10	16QAM	1	49	17.41	17.45	17.47			
10	16QAM	25	0	17.42	17.43	17.57			
10	16QAM	25	12	17.37	17.54	17.44	18.5	0	
10	16QAM	25	25	17.38	17.51	17.41			
10	16QAM	50	0	17.38	17.47	17.47			
10	64QAM	1	0	17.43	17.49	17.48			
10	64QAM	1	25	17.38	17.49	17.36	18.5	0	
10	64QAM	1	49	17.47	17.46	17.43			
10	64QAM	25	0	17.42	17.55	17.52			
10	64QAM	25	12	17.42	17.55	17.46	18.5	0	
10	64QAM	25	25	17.33	17.43	17.50			
10	64QAM	50	0	17.29	17.35	17.53			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.50	17.62	17.64			
5	QPSK	1	12	17.52	17.65	17.60	18.5	0	
5	QPSK	1	24	17.63	17.70	17.69			
5	QPSK	12	0	17.26	17.55	17.40			
5	QPSK	12	7	17.34	17.37	17.38	18.5	0	
5	QPSK	12	13	17.32	17.39	17.36			
5	QPSK	25	0	17.31	17.49	17.40			
5	16QAM	1	0	17.31	17.43	17.42			
5	16QAM	1	12	17.30	17.36	17.55	18.5	0	
5	16QAM	1	24	17.40	17.51	17.46			
5	16QAM	12	0	17.38	17.48	17.48			
5	16QAM	12	7	17.35	17.52	17.57	18.5	0	
5	16QAM	12	13	17.34	17.45	17.38			
5	16QAM	25	0	17.46	17.47	17.44			
5	64QAM	1	0	17.47	17.55	17.47			
5	64QAM	1	12	17.30	17.50	17.46	18.5	0	
5	64QAM	1	24	17.34	17.43	17.44			
5	64QAM	12	0	17.31	17.51	17.46			
5	64QAM	12	7	17.38	17.49	17.56	18.5	0	
5	64QAM	12	13	17.34	17.39	17.38			
5	64QAM	25	0	17.40	17.41	17.50			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.47	17.55	17.70			
3	QPSK	1	8	17.50	17.56	17.60	18.5	0	
3	QPSK	1	14	17.58	17.61	17.67			
3	QPSK	8	0	17.26	17.57	17.37			
3	QPSK	8	4	17.31	17.44	17.45	18.5	0	
3	QPSK	8	7	17.39	17.41	17.46			
3	QPSK	15	0	17.38	17.35	17.41			
3	16QAM	1	0	17.40	17.49	17.42			
3	16QAM	1	8	17.28	17.36	17.53	18.5	0	
3	16QAM	1	14	17.45	17.57	17.37			
3	16QAM	8	0	17.29	17.41	17.51			
3	16QAM	8	4	17.30	17.52	17.54	18.5	0	
3	16QAM	8	7	17.35	17.48	17.42			
3	16QAM	15	0	17.46	17.50	17.40			
3	64QAM	1	0	17.45	17.48	17.49			
3	64QAM	1	8	17.30	17.61	17.36	18.5	0	
3	64QAM	1	14	17.44	17.40	17.45			
3	64QAM	8	0	17.42	17.54	17.54			
3	64QAM	8	4	17.38	17.55	17.45	18.5	0	
3	64QAM	8	7	17.33	17.45	17.39			
3	64QAM	15	0	17.28	17.43	17.44			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.44	17.63	17.69			
1.4	QPSK	1	3	17.55	17.58	17.70	18.5	0	
1.4	QPSK	1	5	17.57	17.68	17.64			
1.4	QPSK	3	0	17.35	17.52	17.43			
1.4	QPSK	3	1	17.31	17.39	17.38			
1.4	QPSK	3	3	17.40	17.45	17.41	18.5	0	
1.4	QPSK	6	0	17.33	17.42	17.38			
1.4	16QAM	1	0	17.42	17.45	17.49			
1.4	16QAM	1	3	17.39	17.50	17.53			
1.4	16QAM	1	5	17.43	17.52	17.41	18.5	0	
1.4	16QAM	3	0	17.31	17.43	17.57			
1.4	16QAM	3	1	17.33	17.50	17.47			
1.4	16QAM	3	3	17.38	17.48	17.48	18.5	0	
1.4	16QAM	6	0	17.43	17.50	17.51			
1.4	64QAM	1	0	17.47	17.47	17.46			
1.4	64QAM	1	3	17.29	17.69	17.41	18.5	0	
1.4	64QAM	1	5	17.47	17.40	17.43			
1.4	64QAM	3	0	17.37	17.53	17.56			
1.4	64QAM	3	1	17.39	17.56	17.45	18.5	0	
1.4	64QAM	3	3	17.27	17.50	17.45			
1.4	64QAM	6	0	17.30	17.46	17.50	18.5	0	

Band 2_Ant13									
BW (MHz)	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	21.01	21.04	20.96			
20	QPSK	1	49	21.00	21.11	20.91	21.8	0	
20	QPSK	1	99	20.93	21.02	20.87			
20	QPSK	50	0	20.86	20.97	20.84			
20	QPSK	50	24	20.86	21.00	20.84	21.8	0	
20	QPSK	50	50	20.81	20.96	20.87			
20	QPSK	100	0	20.82	20.96	20.83			
20	16QAM	1	0	20.84	21.03	20.89			
20	16QAM	1	49	20.86	20.91	20.85	21.8	0	
20	16QAM	1	99	20.92	21.01	20.84			
20	16QAM	50	0	20.81	20.98	20.83			
20	16QAM	50	24	20.86	21.01	20.81	21.8	0	
20	16QAM	50	50	20.82	21.00	20.89			
20	16QAM	100	0	20.85	21.01	20.83			
20	64QAM	1	0	20.89	20.98	20.76			
20	64QAM	1	49	20.92	21.01	20.83	21.8	0	
20	64QAM	1	99	20.83	20.95	20.85			
20	64QAM	50	0	19.82	19.96	20.06			
20	64QAM	50	24	19.84	19.71	20.04	20.8	1	
20	64QAM	50	50	19.83	19.76	20.17			
20	64QAM	100	0	19.81	19.86	20.22			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.88	21.00	20.91			
15	QPSK	1	37	20.86	20.99	20.83	21.8	0	
15	QPSK	1	74	20.91	20.90	20.78			
15	QPSK	36	0	20.73	20.84	20.67			
15	QPSK	36	20	20.73					



Band 4_Ant31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20950	Power Middle Ch. / Freq. 20950	Power High Ch. / Freq. 20950	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.55	19.60	19.64			
20	QPSK	1	49	19.65	19.70	19.62	20.4	0	
20	QPSK	1	99	19.11	19.23	19.18	20.4	0	
20	QPSK	50	0	19.07	19.07	19.07	20.4	0	
20	QPSK	50	24	19.34	19.35	19.24	20.4	0	
20	QPSK	50	50	19.13	19.30	19.22	20.4	0	
20	QPSK	100	0	19.32	19.36	19.17	20.4	0	
20	16QAM	1	0	19.03	19.22	19.20	20.4	0	
20	16QAM	1	49	19.08	19.26	19.26	20.4	0	
20	16QAM	1	99	18.88	18.72	18.75	20.4	0	
20	16QAM	50	0	19.15	19.31	19.13	20.4	0	
20	16QAM	50	24	19.22	19.31	19.28	20.4	0	
20	16QAM	50	50	19.34	19.35	19.35	20.4	0	
20	16QAM	100	0	19.24	19.33	19.31	20.4	0	
20	16QAM	1	0	19.25	19.37	19.37	20.4	0	
20	16QAM	1	49	19.37	19.35	19.33	20.4	0	
20	16QAM	1	99	19.20	19.26	19.11	20.4	0	
20	16QAM	50	0	19.13	19.24	19.08	20.4	0	
20	16QAM	50	24	19.16	19.26	19.17	20.4	0	
20	16QAM	50	50	19.28	19.31	19.31	20.4	0	
20	16QAM	100	0	19.34	19.39	19.32	20.4	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.40	19.55	19.49	20.4	0	
15	QPSK	1	37	19.51	19.69	19.48	20.4	0	
15	QPSK	1	74	19.03	19.14	19.10	20.4	0	
15	QPSK	36	0	19.18	19.23	19.23	20.4	0	
15	QPSK	36	20	19.17	19.34	19.07	20.4	0	
15	QPSK	36	20	18.97	19.15	19.06	20.4	0	
15	QPSK	75	0	19.26	19.35	19.31	20.4	0	
15	16QAM	1	0	18.88	19.08	19.05	20.4	0	
15	16QAM	1	37	18.95	19.18	19.13	20.4	0	
15	16QAM	1	74	18.76	18.61	18.63	20.4	0	
15	16QAM	36	0	19.05	19.21	19.03	20.4	0	
15	16QAM	36	20	19.13	19.18	19.19	20.4	0	
15	16QAM	36	33	19.28	19.34	19.27	20.4	0	
15	16QAM	75	0	19.09	19.27	19.03	20.4	0	
15	16QAM	1	0	19.24	19.35	19.36	20.4	0	
15	16QAM	1	37	19.34	19.54	19.50	20.4	0	
15	16QAM	1	74	19.17	19.13	19.08	20.4	0	
15	16QAM	36	0	19.12	19.22	19.07	20.4	0	
15	16QAM	36	20	19.11	19.07	19.12	20.4	0	
15	16QAM	36	33	19.24	19.28	19.27	20.4	0	
15	16QAM	75	0	19.15	19.21	19.13	20.4	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.41	19.60	19.50	20.4	0	
10	QPSK	1	25	19.46	19.59	19.43	20.4	0	
10	QPSK	1	49	19.84	19.15	19.01	20.4	0	
10	QPSK	25	0	19.10	19.31	19.23	20.4	0	
10	QPSK	25	12	19.17	19.22	19.07	20.4	0	
10	QPSK	25	25	19.13	19.12	19.22	20.4	0	
10	QPSK	50	0	19.14	19.24	19.99	20.4	0	
10	16QAM	1	0	18.94	19.20	19.11	20.4	0	
10	16QAM	1	25	18.96	19.10	19.14	20.4	0	
10	16QAM	1	49	18.69	18.58	18.56	20.4	0	
10	16QAM	25	0	19.09	19.14	19.07	20.4	0	
10	16QAM	25	12	19.14	19.16	19.20	20.4	0	
10	16QAM	25	25	19.33	19.23	19.34	20.4	0	
10	16QAM	50	0	19.17	19.15	19.24	20.4	0	
10	16QAM	1	0	19.19	19.29	19.31	20.4	0	
10	16QAM	1	25	19.25	19.40	19.42	20.4	0	
10	16QAM	1	49	19.02	19.19	19.83	20.4	0	
10	16QAM	25	0	19.10	19.23	19.05	20.4	0	
10	16QAM	25	12	19.15	19.18	19.16	20.4	0	
10	16QAM	25	25	19.17	19.24	19.20	20.4	0	
10	16QAM	50	0	19.24	19.30	19.22	20.4	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.39	19.46	19.48	20.4	0	
5	QPSK	1	12	19.53	19.64	19.50	20.4	0	
5	QPSK	1	24	18.99	19.15	19.06	20.4	0	
5	QPSK	12	0	19.21	19.22	19.26	20.4	0	
5	QPSK	12	7	19.17	19.28	19.07	20.4	0	
5	QPSK	12	13	19.07	19.19	19.16	20.4	0	
5	QPSK	25	0	19.10	19.28	19.04	20.4	0	
5	16QAM	1	0	18.89	19.06	19.06	20.4	0	
5	16QAM	1	12	18.89	19.10	19.07	20.4	0	
5	16QAM	1	24	18.78	18.57	18.65	20.4	0	
5	16QAM	12	0	18.97	19.31	18.95	20.4	0	
5	16QAM	12	7	19.17	19.23	19.23	20.4	0	
5	16QAM	12	13	19.32	19.30	19.34	20.4	0	
5	16QAM	25	0	19.10	19.29	19.17	20.4	0	
5	16QAM	1	0	19.14	19.37	19.26	20.4	0	
5	16QAM	1	12	19.36	19.55	19.52	20.4	0	
5	16QAM	1	24	19.12	19.12	19.03	20.4	0	
5	16QAM	12	0	19.11	19.05	19.06	20.4	0	
5	16QAM	12	7	19.12	19.15	19.13	20.4	0	
5	16QAM	12	13	19.13	19.23	19.16	20.4	0	
5	16QAM	25	0	19.29	19.31	19.27	20.4	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.44	19.57	19.53	20.4	0	
3	QPSK	1	8	19.61	19.54	19.58	20.4	0	
3	QPSK	1	14	18.94	19.16	19.01	20.4	0	
3	QPSK	1	21	19.21	19.25	19.26	20.4	0	
3	QPSK	8	4	19.24	19.22	19.14	20.4	0	
3	QPSK	8	7	19.09	19.12	19.18	20.4	0	
3	QPSK	15	0	19.26	19.32	19.11	20.4	0	
3	16QAM	1	0	18.99	19.18	19.16	20.4	0	
3	16QAM	1	8	18.95	19.24	19.15	20.4	0	
3	16QAM	1	14	18.77	18.67	18.54	20.4	0	
3	16QAM	8	0	19.00	19.27	18.98	20.4	0	
3	16QAM	8	4	19.06	19.28	19.12	20.4	0	
3	16QAM	8	7	19.30	19.31	19.31	20.4	0	
3	16QAM	15	0	19.23	19.21	19.30	20.4	0	
3	16QAM	1	0	19.17	19.30	19.29	20.4	0	
3	16QAM	1	8	19.26	19.41	19.42	20.4	0	
3	16QAM	1	14	19.15	19.25	19.06	20.4	0	
3	16QAM	8	0	18.96	19.15	18.91	20.4	0	
3	16QAM	8	4	19.02	19.09	19.03	20.4	0	
3	16QAM	8	7	19.09	19.14	19.12	20.4	0	
3	16QAM	15	0	19.15	19.39	19.13	20.4	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.52	19.56	19.61	20.4	0	
1.4	QPSK	1	3	19.59	19.61	19.56	20.4	0	
1.4	QPSK	1	5	19.02	19.06	19.09	20.4	0	
1.4	QPSK	3	0	19.10	19.20	19.15	20.4	0	
1.4	QPSK	3	1	19.16	19.28	19.06	20.4	0	
1.4	QPSK	3	3	19.03	19.26	19.12	20.4	0	
1.4	QPSK	6	0	19.23	19.17	19.08	20.4	0	
1.4	16QAM	1	0	18.92	19.22	19.09	20.4	0	
1.4	16QAM	1	3	18.93	19.26	19.11	20.4	0	
1.4	16QAM	1	5	18.69	18.58	18.56	20.4	0	
1.4	16QAM	3	0	19.07	19.26	19.05	20.4	0	
1.4	16QAM	3	1	19.09	19.18	19.15	20.4	0	
1.4	16QAM	3	3	19.21	19.19	19.22	20.4	0	
1.4	16QAM	6	0	19.22	19.20	19.29	20.4	0	
1.4	16QAM	1	0	19.23	19.23	19.35	20.4	0	
1.4	16QAM	1	3	19.35	19.39	19.51	20.4	0	
1.4	16QAM	1	5	19.04	19.12	18.95	20.4	0	
1.4	16QAM	3	0	19.12	19.07	19.07	20.4	0	
1.4	16QAM	3	1	19.06	19.15	19.07	20.4	0	
1.4	16QAM	3	3	19.23	19.12	19.26	20.4	0	
1.4	16QAM	6	0	19.32	19.23	19.30	20.4	0	



Band 7_Ant13

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21000	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.04	18.13	18.05		
20	QPSK	1	49	18.30	18.50	18.40	19	0
20	QPSK	1	99	17.92	17.96	17.89		
20	QPSK	50	0	18.13	18.16	18.11		
20	QPSK	50	24	18.09	18.10	18.15		
20	QPSK	50	50	17.96	18.11	18.07	19	0
20	QPSK	100	0	17.95	18.06	18.03		
20	16QAM	1	0	17.64	17.83	17.72		
20	16QAM	1	49	17.99	18.00	18.00	19	0
20	16QAM	1	99	17.84	17.88	17.79		
20	16QAM	50	0	18.10	18.15	18.12		
20	16QAM	50	24	18.16	18.22	18.08		
20	16QAM	50	50	18.20	18.21	18.13	19	0
20	16QAM	100	0	18.08	18.09	17.91		
20	64QAM	1	0	18.18	18.29	18.15		
20	64QAM	1	49	18.44	18.45	18.44	19	0
20	64QAM	1	99	18.01	18.10	18.06		
20	64QAM	50	0	17.91	18.09	18.07		
20	64QAM	50	24	18.08	18.14	18.12		
20	64QAM	50	50	17.93	18.07	17.96	19	0
20	64QAM	100	0	17.85	17.95	17.93		
Channel				20825	21100	21375		
Frequency (MHz)				2505	2535	2565		
15	QPSK	1	0	17.85	17.88	17.86		
15	QPSK	1	37	18.12	18.39	18.22	19	0
15	QPSK	1	74	17.90	17.82	17.87		
15	QPSK	36	0	17.93	18.02	18.05		
15	QPSK	36	20	17.90	18.16	17.96	19	0
15	QPSK	36	39	17.86	17.95	17.97		
15	QPSK	75	0	17.82	17.97	17.90		
15	16QAM	1	0	17.62	17.77	17.70		
15	16QAM	1	37	17.81	17.89	17.82	19	0
15	16QAM	1	74	17.70	17.82	17.65		
15	16QAM	36	0	18.04	18.11	18.06		
15	16QAM	36	20	18.08	18.16	18.00	19	0
15	16QAM	36	39	18.20	18.09	18.13		
15	16QAM	75	0	18.07	18.01	17.90		
15	64QAM	1	0	18.15	18.12	18.12		
15	64QAM	1	37	18.32	18.35	18.32	19	0
15	64QAM	1	74	17.88	17.97	17.96		
15	64QAM	36	0	17.73	17.98	17.89		
15	64QAM	36	20	17.95	18.07	17.99	19	0
15	64QAM	36	39	17.76	17.92	17.78		
15	64QAM	75	0	17.82	17.76	17.90		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.94	18.04	17.95		
10	QPSK	1	25	18.26	18.42	18.36	19	0
10	QPSK	1	49	17.75	17.95	17.72		
10	QPSK	25	0	17.86	17.93	17.98		
10	QPSK	25	12	18.08	18.12	18.14		
10	QPSK	25	25	17.89	17.94	18.00	19	0
10	QPSK	50	0	17.94	18.03	18.02		
10	16QAM	1	0	17.53	17.67	17.61		
10	16QAM	1	25	17.99	17.99	18.00	19	0
10	16QAM	1	49	17.82	17.80	17.77		
10	16QAM	25	0	18.08	18.02	18.08		
10	16QAM	25	12	18.16	18.06	18.08	19	0
10	16QAM	25	25	18.12	18.08	18.05		
10	16QAM	50	0	17.95	17.95	17.78		
10	64QAM	1	0	18.07	18.10	18.04		
10	64QAM	1	25	18.34	18.37	18.34	19	0
10	64QAM	1	49	17.94	18.04	18.02		
10	64QAM	25	0	17.85	18.03	18.01		
10	64QAM	25	12	17.94	17.95	17.98	19	0
10	64QAM	25	25	17.80	18.02	17.83		
10	64QAM	50	0	17.74	17.86	17.82		
Channel				20775	21100	21425		
Frequency (MHz)				25025	2535	25675		
5	QPSK	1	0	18.02	18.07	18.03		
5	QPSK	1	12	18.17	18.48	18.27	19	0
5	QPSK	1	24	17.80	17.85	17.77		
5	QPSK	12	0	17.88	18.00	18.00		
5	QPSK	12	7	18.08	18.10	18.14	19	0
5	QPSK	12	13	17.83	18.02	17.94		
5	QPSK	25	0	17.89	17.97	17.97		
5	16QAM	1	0	17.52	17.64	17.60		
5	16QAM	1	12	17.85	17.87	17.86	19	0
5	16QAM	1	24	17.77	17.81	17.72		
5	16QAM	12	0	17.95	18.09	17.97		
5	16QAM	12	7	17.99	18.04	17.91	19	0
5	16QAM	12	13	18.10	18.21	18.06		
5	16QAM	25	0	18.02	17.94	17.85		
5	64QAM	1	0	18.00	18.19	17.97		
5	64QAM	1	12	18.39	18.40	18.39	19	0
5	64QAM	1	24	17.94	18.01	18.02		
5	64QAM	12	0	17.82	18.07	17.98		
5	64QAM	12	7	17.96	18.10	18.00	19	0
5	64QAM	12	13	17.74	18.01	17.77		
5	64QAM	25	0	17.79	17.90	17.87		

Band 7_Ant31

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.83	18.91	18.98		
20	QPSK	1	49	17.10	17.24	17.15	17.7	0
20	QPSK	1	99	16.94	17.06	16.94		
20	QPSK	50	0	16.89	16.92	16.90		
20	QPSK	50	24	16.86	16.90	16.85	17.7	0
20	QPSK	50	50	16.85	16.89	16.73		
20	QPSK	100	0	16.87	16.89	16.71		
20	16QAM	1	0	16.53	16.85	16.51		
20	16QAM	1	49	16.72	16.73	16.62	17.7	0
20	16QAM	1	99	16.45	16.51	16.40		
20	16QAM	50	0	16.88	17.02	16.99		
20	16QAM	50	24	16.96	17.01	16.98	17.7	0
20	16QAM	50	50	16.93	16.98	16.84		
20	16QAM	100	0	16.92	16.94	16.81		
20	64QAM	1	0	16.72	16.89	16.80		
20	64QAM	1	49	17.03	17.13	17.12	17.7	0
20	64QAM	1	99	16.72	16.88	16.70		
20	64QAM	50	0	16.84	16.91	16.74		
20	64QAM	50	24	16.90	17.00	16.97	17.7	0
20	64QAM	50	50	16.81	16.97	16.86		
20	64QAM	100	0	16.92	17.04	16.85		
Channel				20825	21100	21375		
Frequency (MHz)				25025	2535	25625		
15	QPSK	1	0	16.75	16.91	16.90		
15	QPSK	1	37	17.03	17.16	17.08	17.7	0
15	QPSK	1	74	16.86	17.02	16.86		
15	QPSK	36	0	16.75	16.83	16.76		
15	QPSK	36	20	16.73	16.79	16.72	17.7	0
15	QPSK	36	39	16.67	16.70	16.55		
15	QPSK	75	0	16.69	16.80	16.63		
15	16QAM	1	0	16.53	16.49	16.51		
15	16QAM	1	37	16.71	16.56	16.61	17.7	0
15	16QAM	1	74	16.28	16.46	16.23		
15	16QAM	36	0	16.84	16.88	16.95		
15	16QAM	36	20	16.88	16.92	16.90	17.7	0
15	16QAM	36	39	16.83	16.92	16.74		
15	16QAM	75	0	16.79	16.80	16.68		
15	64QAM	1	0	16.72	16.66	16.60		
15	64QAM	1	37	16.93	17.04	17.02	17.7	0
15	64QAM	1	74	16.63	16.85	16.61		
15	64QAM	36	0	16.81	16.89	16.71		
15	64QAM	36	20	16.87	16.82	16.94	17.7	0
15	64QAM	36	39	16.76	16.84	16.81		
15	64QAM	75	0	16.84	16.89	16.77		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.79	16.74	16.84		
10	QPSK	1	25	17.00	17.23	17.05	17.7	0
10	QPSK	1	49	16.91	16.94	16.91		
10	QPSK	25	0	16.86	16.87	16.87		
10	QPSK	25	12	16.67	16.87	16.66	17.7	0



Band 13_Ant31

BW (MHz)	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	21.58	21.58	22.99	23.3	0
10	QPSK	1	25	21.83	21.83	22.99		
10	QPSK	25	0	20.85	20.85	20.85	22.3	1
10	QPSK	25	25	20.95	20.95	20.95		
10	QPSK	50	0	20.96	20.96	20.96	22.3	1
10	16QAM	1	0	21.03	21.03	21.80		
10	16QAM	1	25	20.99	20.99	21.80	21.3	2
10	16QAM	1	49	20.95	20.95	20.95		
10	16QAM	25	0	19.95	19.95	19.95	21.3	2
10	16QAM	25	12	20.08	20.08	20.08		
10	16QAM	25	25	19.92	19.92	19.92	20.3	3
10	16QAM	50	0	20.05	20.05	20.05		
10	64QAM	1	0	19.88	19.88	21.24	21.3	2
10	64QAM	1	25	19.96	19.96	21.24		
10	64QAM	1	49	19.98	19.98	21.24	20.3	3
10	64QAM	25	0	18.94	18.94	20.21		
10	64QAM	25	12	18.80	18.80	20.21	20.3	3
10	64QAM	25	25	18.82	18.82	20.21		
10	64QAM	50	0	18.96	18.96	20.21		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.64	21.55	21.57	23.3	0
5	QPSK	1	12	21.83	21.79	21.75		
5	QPSK	1	24	21.75	21.82	21.72	22.3	1
5	QPSK	12	0	20.85	20.86	20.80		
5	QPSK	12	7	20.96	20.89	20.91	21.3	2
5	QPSK	12	13	21.00	21.05	20.93		
5	QPSK	25	0	20.97	20.91	21.04	21.3	2
5	16QAM	1	0	21.06	21.05	20.96		
5	16QAM	1	12	20.91	20.98	20.86	21.3	2
5	16QAM	1	24	20.58	20.60	20.57		
5	16QAM	12	0	19.96	19.90	19.91	20.3	3
5	16QAM	12	7	19.99	20.01	20.05		
5	16QAM	12	13	20.01	20.08	19.99	20.3	3
5	16QAM	25	0	19.99	20.06	19.90		
5	64QAM	1	0	19.87	19.94	19.84	21.3	2
5	64QAM	1	12	20.07	20.08	20.12		
5	64QAM	1	24	20.05	19.95	20.09	20.3	3
5	64QAM	12	0	18.88	19.06	18.97		
5	64QAM	12	7	18.87	18.86	18.80	20.3	3
5	64QAM	12	13	18.84	18.99	18.93		
5	64QAM	25	0	19.05	18.92	18.99		

Band 26_Ant13

BW (MHz)	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)								
15	QPSK	1	0	22.83	22.81	22.99	24	0
15	QPSK	1	37	23.22	23.28	23.25		
15	QPSK	1	74	23.05	23.76	23.01	23	1
15	QPSK	38	0	21.91	22.15	22.08		
15	QPSK	38	20	21.99	21.94	22.10	23	1
15	QPSK	38	39	22.03	22.04	22.10		
15	QPSK	75	0	22.03	22.05	22.00	23	1
15	16QAM	1	0	21.79	21.70	21.80		
15	16QAM	1	37	22.08	22.00	22.15	22	2
15	16QAM	1	74	21.56	21.95	21.85		
15	16QAM	38	0	20.72	20.76	20.95	22	2
15	16QAM	38	20	20.87	20.82	21.10		
15	16QAM	38	39	20.82	20.96	21.01	22	2
15	16QAM	75	0	21.01	20.97	20.95		
15	64QAM	1	0	20.90	20.83	21.24	22	2
15	64QAM	1	37	20.98	21.13	21.20		
15	64QAM	1	74	20.97	21.00	20.94	21	3
15	64QAM	38	0	20.00	19.93	20.06		
15	64QAM	38	20	19.89	20.00	20.21	21	3
15	64QAM	38	39	20.08	20.06	19.96		
15	64QAM	75	0	19.96	20.09	20.36		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.74	22.59	22.90	24	0
10	QPSK	1	25	23.13	23.10	23.16		
10	QPSK	1	49	22.90	22.62	22.86	23	1
10	QPSK	25	0	21.73	22.02	21.90		
10	QPSK	25	12	21.94	21.88	22.05	22	2
10	QPSK	25	25	21.97	21.90	22.04		
10	QPSK	50	0	22.03	22.04	22.00	22	2
10	16QAM	1	0	21.60	21.63	21.61		
10	16QAM	1	25	21.97	21.95	22.04	21	3
10	16QAM	1	49	21.53	21.73	21.82		
10	16QAM	25	0	20.53	20.63	20.76	21	3
10	16QAM	25	12	20.87	20.72	21.10		
10	16QAM	25	25	20.66	20.76	20.84	21	3
10	16QAM	50	0	21.01	20.97	20.95		
10	64QAM	1	0	20.80	20.73	21.14	21	3
10	64QAM	1	25	20.87	21.05	21.19		
10	64QAM	1	49	20.79	20.91	20.76	21	3
10	64QAM	25	0	19.85	19.83	19.91		
10	64QAM	25	12	19.91	19.85	19.93	21	3
10	64QAM	25	25	19.88	20.00	19.96		
10	64QAM	50	0	19.80	20.06	20.20		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.75	22.46	22.91	24	0
5	QPSK	1	12	23.09	23.11	23.12		
5	QPSK	1	24	22.91	22.62	22.87	23	1
5	QPSK	12	0	21.73	22.10	21.90		
5	QPSK	12	7	21.83	21.82	21.94	23	1
5	QPSK	12	13	21.84	21.88	21.91		
5	QPSK	25	0	22.02	21.91	21.99	23	1
5	16QAM	1	0	21.68	21.61	21.69		
5	16QAM	1	12	22.01	21.81	22.08	22	2
5	16QAM	1	24	21.50	21.90	21.79		
5	16QAM	12	0	20.57	20.69	20.80	22	2
5	16QAM	12	7	20.69	20.65	20.92		
5	16QAM	12	13	20.81	20.88	21.00	22	2
5	16QAM	25	0	20.93	20.90	20.87		
5	64QAM	1	0	20.73	20.78	21.07	22	2
5	64QAM	1	12	20.70	21.12	21.02		
5	64QAM	1	24	20.95	20.82	20.92	21	3
5	64QAM	12	0	19.89	19.86	19.95		
5	64QAM	12	7	19.73	19.86	20.05	21	3
5	64QAM	12	13	20.00	19.93	19.88		
5	64QAM	25	0	19.94	20.00	20.34		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.64	22.49	22.90	24	0
3	QPSK	1	8	23.15	23.11	23.18		
3	QPSK	1	14	22.93	22.66	22.89	23	1
3	QPSK	8	0	21.73	22.05	21.90		
3	QPSK	8	4	21.90	21.76	22.01	23	1
3	QPSK	8	7	21.93	21.96	22.00		
3	QPSK	15	0	21.87	21.96	21.84	23	1
3	16QAM	1	0	21.65	21.59	21.66		
3	16QAM	1	8	22.02	21.83	22.09	22	2
3	16QAM	1	14	21.49	21.75	21.78		
3	16QAM	8	0	20.70	20.59	20.93	22	2
3	16QAM	8	4	20.72	20.70	20.95		
3	16QAM	8	7	20.65	20.90	20.84	22	2
3	16QAM	15	0	20.85	20.81	20.79		
3	64QAM	1	0	20.76	20.77	21.10	21	3
3	64QAM	1	8	20.83	21.03	21.15		
3	64QAM	1	14	20.95	20.96	20.92	21	3
3	64QAM	8	0	19.96	19.88	20.02		
3	64QAM	8	4	19.75	20.00	20.07	21	3
3	64QAM	8	7	19.83	19.89	19.81		
3	64QAM	15	0	19.77	20.07	20.17		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.82	22.51	22.98	24	0
1.4	QPSK	1	3	23.08	23.20	23.09		
1.4	QPSK	1	5	22.89	22.74	22.85	23	1
1.4	QPSK	3	0	22.79	23.08	22.96		
1.4	QPSK	3	1	22.93	22.82	23.04	23	1
1.4	QPSK	3	3	23.02	22.94	23.09		
1.4	QPSK	6	0	21.94	21.94	21.91	22	2
1.4	16QAM	1	0	21.68	21.56	21.69		
1.4	16QAM	1	3	21.86	21.86	21.96	22	2
1.4	16QAM	1	5	21.51	21.76	21.80		
1.4	16QAM	3	0	21.59	21.72	21.82	22	2
1.4	16QAM	3	1	21.79	21.78	22.02		
1.4	16QAM	3	3	21.63	21.91	21.82	21	3
1.4	16QAM	6	0	20.92	20.86	20.86		
1.4	64QAM	1	0	20.71	20.74	21.05	21	3
1.4	64QAM	1	3	20.85	21.12	21.17		
1.4	64QAM	1	5	20.82	20.90	20.79	21	2
1.4								



Band 66_Ant13								
BW [MHz]	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)				1720	1745	1770		
20	QPSK	1	0	19.01	19.34	19.01	20	0
20	QPSK	1	49	19.30	19.40	19.25		
20	QPSK	1	99	19.11	19.15	19.09	20	0
20	QPSK	0	0	19.17	19.26	19.20		
20	QPSK	50	24	19.09	19.19	19.15	20	0
20	QPSK	50	50	19.06	19.22	19.12		
20	QPSK	100	0	18.98	19.11	18.98	20	0
20	16QAM	1	0	18.91	18.93	18.78		
20	16QAM	1	49	18.97	19.03	19.03	20	0
20	16QAM	1	99	18.95	19.02	18.95		
20	16QAM	50	0	19.23	19.32	19.31	20	0
20	16QAM	50	24	19.20	19.29	19.26		
20	16QAM	50	50	19.05	19.23	19.07	20	0
20	16QAM	100	0	19.04	19.22	19.09		
20	64QAM	1	0	18.99	19.18	19.17	20	0
20	64QAM	1	49	19.19	19.37	19.25		
20	64QAM	1	99	19.01	19.15	19.12	20	0
20	64QAM	50	0	19.22	19.26	19.11		
20	64QAM	50	24	19.16	19.23	19.13	20	0
20	64QAM	50	50	19.05	19.21	19.03		
20	64QAM	100	0	19.10	19.12	19.07	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				132047	13222	132597		
15	QPSK	1	0	18.89	19.19	18.89	20	0
15	QPSK	1	37	19.15	19.36	19.10		
15	QPSK	1	74	18.93	19.08	18.91	20	0
15	QPSK	36	0	19.11	19.10	19.14		
15	QPSK	36	20	19.04	19.04	19.01	20	0
15	QPSK	36	39	18.95	19.21	19.01		
15	QPSK	75	0	18.88	19.03	18.88	20	0
15	16QAM	1	0	18.87	18.82	18.74		
15	16QAM	1	37	18.82	18.89	18.88	20	0
15	16QAM	1	74	18.76	18.94	18.86		
15	16QAM	36	0	19.09	19.19	19.17	20	0
15	16QAM	36	20	19.20	19.29	19.26		
15	16QAM	36	39	19.01	19.14	19.03	20	0
15	16QAM	75	0	18.93	19.16	18.98		
15	64QAM	1	0	18.82	19.01	19.00	20	0
15	64QAM	1	37	19.19	19.27	19.25		
15	64QAM	1	74	18.89	18.96	19.00	20	0
15	64QAM	36	0	19.16	19.08	19.05		
15	64QAM	36	20	19.10	19.06	19.07	20	0
15	64QAM	36	39	18.96	19.06	18.94		
15	64QAM	75	0	19.02	18.96	18.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.84	19.15	18.84	20	0
10	QPSK	1	25	19.17	19.30	19.12		
10	QPSK	1	49	19.08	19.15	19.06	20	0
10	QPSK	25	0	19.06	19.12	19.09		
10	QPSK	25	12	18.98	19.02	19.04	20	0
10	QPSK	25	25	18.91	19.16	18.97		
10	QPSK	50	0	18.89	18.94	18.89	20	0
10	16QAM	1	0	18.84	18.84	18.71		
10	16QAM	1	25	18.92	18.84	18.98	20	0
10	16QAM	1	49	18.76	18.85	18.86		
10	16QAM	25	0	19.08	19.30	19.16	20	0
10	16QAM	25	12	19.13	19.13	19.19		
10	16QAM	25	25	19.03	19.20	19.05	20	0
10	16QAM	50	0	19.00	19.11	19.05		
10	64QAM	1	0	18.86	19.11	19.04	20	0
10	64QAM	1	25	19.06	19.20	19.12		
10	64QAM	1	49	19.01	18.96	19.12	20	0
10	64QAM	25	0	19.08	19.09	18.97		
10	64QAM	25	12	18.99	19.10	18.96	20	0
10	64QAM	25	25	18.99	19.18	18.97		
10	64QAM	50	0	18.93	19.04	18.90	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1715	1745	1775		
5	QPSK	1	0	18.90	19.24	18.90	20	0
5	QPSK	1	12	19.15	19.28	19.10		
5	QPSK	1	24	18.93	19.08	18.91	20	0
5	QPSK	12	0	19.03	19.15	19.06		
5	QPSK	12	7	19.00	19.17	19.06	20	0
5	QPSK	12	13	19.04	19.18	19.10		
5	QPSK	25	0	18.84	18.92	18.84	20	0
5	16QAM	1	0	18.87	18.82	18.74		
5	16QAM	1	12	18.80	18.92	18.86	20	0
5	16QAM	1	24	18.79	19.00	18.89		
5	16QAM	12	0	19.05	19.26	19.13	20	0
5	16QAM	12	7	19.17	19.16	19.23		
5	16QAM	12	13	18.94	19.12	18.96	20	0
5	16QAM	25	0	18.88	19.03	18.91		
5	64QAM	1	0	18.91	19.04	19.09	20	0
5	64QAM	1	12	19.12	19.24	19.18		
5	64QAM	1	24	18.88	19.15	18.99	20	0
5	64QAM	12	0	19.19	19.16	19.08		
5	64QAM	12	7	19.10	19.13	19.07	20	0
5	64QAM	12	13	19.03	19.02	19.01		
5	64QAM	25	0	19.06	19.10	19.03	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.98	19.28	18.98	20	0
3	QPSK	1	8	19.30	19.21	19.25		
3	QPSK	1	14	19.05	19.07	18.98	20	0
3	QPSK	8	0	19.07	19.20	19.10		
3	QPSK	8	4	19.01	19.16	19.07	20	0
3	QPSK	8	7	18.87	19.18	18.93		
3	QPSK	15	0	18.90	19.06	18.90	20	0
3	16QAM	1	0	18.75	18.80	18.62		
3	16QAM	1	8	18.88	19.00	18.94	20	0
3	16QAM	1	14	18.76	18.88	18.96		
3	16QAM	8	0	19.09	19.13	19.17	20	0
3	16QAM	8	4	19.02	19.26	19.08		
3	16QAM	8	7	19.03	19.10	19.05	20	0
3	16QAM	15	0	18.90	19.12	18.95		
3	64QAM	1	0	18.95	18.99	19.13	20	0
3	64QAM	1	8	19.04	19.28	19.10		
3	64QAM	1	14	18.89	19.00	19.00	20	0
3	64QAM	8	0	19.17	19.23	19.06		
3	64QAM	8	4	19.14	19.18	19.11	20	0
3	64QAM	8	7	18.93	19.05	18.91		
3	64QAM	15	0	19.01	18.96	18.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.97	19.27	18.97	20	0
1.4	QPSK	1	3	19.14	19.36	19.09		
1.4	QPSK	1	5	18.96	19.15	18.94	20	0
1.4	QPSK	3	0	19.01	19.17	19.04		
1.4	QPSK	3	1	18.93	19.04	18.99	20	0
1.4	QPSK	3	3	18.95	19.12	19.01		
1.4	QPSK	5	0	18.85	19.00	18.85	20	0
1.4	16QAM	1	0	18.86	18.90	18.73		
1.4	16QAM	1	3	18.80	18.97	18.86	20	0
1.4	16QAM	1	5	18.70	18.91	18.80		
1.4	16QAM	3	0	19.04	19.28	19.12	20	0
1.4	16QAM	3	1	19.10	19.21	19.16		
1.4	16QAM	3	3	18.90	19.17	18.92	20	0
1.4	16QAM	6	0	18.93	19.07	18.98		
1.4	64QAM	1	0	18.91	19.18	19.09	20	0
1.4	64QAM	1	3	19.08	19.31	19.14		
1.4	64QAM	1	5	18.82	18.97	18.93	20	0
1.4	64QAM	3	0	19.08	19.18	18.97		
1.4	64QAM	3	1	19.03	19.13	19.00	20	0
1.4	64QAM	3	3	19.03	19.03	19.01		
1.4	64QAM	6	0	18.92	19.06	18.89	Tune-up limit (dBm)	MPR (dB)

Band 66_Ant31								
BW [MHz]	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)				1720	1745	1770		
20	QPSK	1	0	20.37	20.65	20.39	21.3	0
20	QPSK	1	49	20.50	20.66	20.27		
20	QPSK	1	99	20.33	20.51	20.44	21.3	0
20	QPSK	50	0	20.52	20.68	20.35		
20	QPSK	50	24	20.49	20.57	20.46	21.3	0
20	QPSK	50	50	20.46	20.48	20.47		
20	QPSK	100	0	20.49	20.55	20.50	21.3	0
20	16QAM	1	0	20.19	20.21	20.11		
20	16QAM	1	49	20.29	20.38	20.32	21.3	0
20	16QAM	1	99	20.19	20.38	20.36		
20	16QAM	50	0	20.44	20.54	20.46	21.3	0
20	16QAM							



Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.84	20.92	20.98			
20	QPSK	1	49	20.95	21.08	21.01	21.8	0	
20	QPSK	1	99	20.98	20.90	20.55			
20	QPSK	50	0	20.68	20.75	20.70			
20	QPSK	50	24	20.67	20.67	20.62	21.8	0	
20	QPSK	50	50	20.47	20.54	20.48			
20	QPSK	100	0	20.55	20.61	20.58			
20	16QAM	1	0	20.07	20.13	20.08			
20	16QAM	1	49	20.24	20.40	20.39	21.8	0	
20	16QAM	1	99	19.97	20.07	19.95			
20	16QAM	50	0	20.35	20.43	20.33			
20	16QAM	50	24	20.40	20.53	20.46	21.8	0	
20	16QAM	50	50	20.29	20.44	20.34			
20	16QAM	100	0	20.55	20.56	20.37			
20	64QAM	1	0	20.11	20.16	20.10			
20	64QAM	1	49	20.41	20.41	20.40	21.8	0	
20	64QAM	1	99	20.31	20.46	20.42			
20	64QAM	50	0	20.38	20.44	20.43			
20	64QAM	50	24	20.43	20.47	20.31	21.3	0.5	
20	64QAM	50	50	20.20	20.39	20.20			
20	64QAM	100	0	20.37	20.44	20.38			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.83	20.41	20.67			
15	QPSK	1	37	20.82	21.05	20.87	21.8	0	
15	QPSK	1	74	20.55	20.58	20.52			
15	QPSK	36	0	20.58	20.71	20.60			
15	QPSK	36	20	20.52	20.51	20.47	21.8	0	
15	QPSK	36	39	20.49	20.48	20.47			
15	QPSK	75	0	20.43	20.50	20.46			
15	16QAM	1	0	19.89	19.95	19.90			
15	16QAM	1	37	20.24	20.29	20.39	21.8	0	
15	16QAM	1	74	19.94	19.92	19.92			
15	16QAM	36	0	20.29	20.36	20.27			
15	16QAM	36	20	20.36	20.42	20.42	21.8	0	
15	16QAM	36	39	20.10	20.42	20.15			
15	16QAM	75	0	20.55	20.53	20.37			
15	64QAM	1	0	20.01	20.15	20.00			
15	64QAM	1	37	20.35	20.30	20.34	21.8	0	
15	64QAM	1	74	20.24	20.30	20.35			
15	64QAM	36	0	20.20	20.44	20.25			
15	64QAM	36	20	20.27	20.38	20.15	21.3	0.5	
15	64QAM	36	39	20.14	20.28	20.14			
15	64QAM	75	0	20.20	20.26	20.21			
Channel				37800	38000	38200			
Frequency (MHz)				2572.5	2595	2615			
10	QPSK	1	0	20.78	20.46	20.62			
10	QPSK	1	25	20.91	21.02	20.96	21.8	0	
10	QPSK	1	49	20.50	20.47	20.47			
10	QPSK	25	0	20.63	20.62	20.65			
10	QPSK	25	12	20.64	20.65	20.69	21.8	0	
10	QPSK	25	25	20.36	20.43	20.37			
10	QPSK	50	0	20.38	20.46	20.41			
10	16QAM	1	0	20.05	19.99	20.06			
10	16QAM	1	25	20.23	20.26	20.38	21.8	0	
10	16QAM	1	49	19.81	19.88	19.90			
10	16QAM	25	0	20.35	20.38	20.33			
10	16QAM	25	12	20.40	20.51	20.46	21.8	0	
10	16QAM	25	25	20.23	20.31	20.28			
10	16QAM	50	0	20.47	20.53	20.29			
10	64QAM	1	0	20.11	20.16	20.10			
10	64QAM	1	25	20.33	20.25	20.32	21.8	0	
10	64QAM	1	49	20.12	20.40	20.23			
10	64QAM	25	0	20.26	20.38	20.31			
10	64QAM	25	12	20.24	20.45	20.12	21.3	0.5	
10	64QAM	25	25	20.14	20.36	20.14			
10	64QAM	50	0	20.20	20.31	20.21			
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.82	20.47	20.66			
5	QPSK	1	12	20.88	21.08	20.93	21.8	0	
5	QPSK	1	24	20.42	20.50	20.39			
5	QPSK	12	0	20.67	20.61	20.69			
5	QPSK	12	7	20.55	20.57	20.50	21.8	0	
5	QPSK	12	13	20.38	20.47	20.39			
5	QPSK	25	0	20.52	20.53	20.55			
5	16QAM	1	0	20.04	20.12	20.05			
5	16QAM	1	12	20.06	20.21	20.21	21.8	0	
5	16QAM	1	24	19.88	20.00	19.87			
5	16QAM	12	0	20.34	20.30	20.32			
5	16QAM	12	7	20.37	20.46	20.43	21.8	0	
5	16QAM	12	13	20.20	20.39	20.25			
5	16QAM	25	0	20.43	20.48	20.25			
5	64QAM	1	0	20.06	20.10	20.05			
5	64QAM	1	12	20.25	20.22	20.24	21.8	0	
5	64QAM	1	24	20.25	20.34	20.36			
5	64QAM	12	0	20.37	20.36	20.42			
5	64QAM	12	7	20.37	20.43	20.25	21.3	0.5	
5	64QAM	12	13	20.17	20.34	20.17			
5	64QAM	25	0	20.24	20.29	20.25			

Band 38_Ant 31									
BW [MHz]	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)				2590	2595	2610			
20	QPSK	1	0	18.75	18.72	18.80			
20	QPSK	1	49	18.10	18.20	19.05	19.6	0	
20	QPSK	1	99	18.60	18.70	18.96			
20	QPSK	50	0	18.70	18.75	18.66			
20	QPSK	50	24	18.52	18.61	18.48	19.6	0	
20	QPSK	50	50	18.59	18.66	18.61			
20	QPSK	100	0	18.81	18.90	18.81			
20	16QAM	1	0	18.62	18.70	18.51			
20	16QAM	1	49	18.46	18.60	18.58	19.6	0	
20	16QAM	1	99	18.67	18.68	18.55			
20	16QAM	50	0	18.67	18.76	18.71			
20	16QAM	50	24	18.52	18.61	18.47	19.6	0	
20	16QAM	50	50	18.51	18.65	18.59			
20	16QAM	100	0	18.48	18.60	18.42			
20	64QAM	1	0	18.68	18.70	18.58			
20	64QAM	1	49	18.55	18.68	18.51	19.6	0	
20	64QAM	1	99	18.56	18.72	18.58			
20	64QAM	50	0	18.66	18.67	18.52			
20	64QAM	50	24	18.51	18.60	18.43	19.6	0	
20	64QAM	50	50	18.53	18.72	18.58			
20	64QAM	100	0	18.67	18.69	18.51			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.59	18.65	18.64			
15	QPSK	1	37	18.98	19.06	18.93	19.6	0	
15	QPSK	1	74	18.55	18.52	18.51			
15	QPSK	36	0	18.60	18.61	18.56			
15	QPSK	36	20	18.47	18.45	18.43	19.6	0	
15	QPSK	36	39	18.54	18.56	18.56			
15	QPSK	75	0	18.80	18.74	18.80			
15	16QAM	1	0	18.60	18.67	18.49			
15	16QAM	1	37	18.45	18.44	18.57	19.6	0	
15	16QAM	1	74	18.58	18.51	18.46			
15	16QAM	36	0	18.49	18.63	18.53			
15	16QAM	36	20	18.51	18.59	18.46	19.6	0	
15	16QAM	36	39	18.40	18.59	18.48			
15	16QAM	75	0	18.32	18.58	18.26			
15	64QAM	1	0	18.57	18.70	18.47			
15	64QAM	1	37	18.40	18.63	18.36	19.6	0	
15	64QAM	1	74	18.55	18.72	18.57			
15	64QAM	36	0	18.49	18.53	18.35			
15	64QAM	36	20	18.42	18.47	18.34	19.6	0	
15	64QAM	36	39	18.47	18.57	18			



Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	19.79	20.02	19.71	19.70	21.3	0
20	QPSK	1	49	20.03	20.38	20.12	20.10		
20	QPSK	1	99	19.97	20.16	20.02	19.97	21.3	0
20	QPSK	50	0	20.03	20.22	20.09	20.13		
20	QPSK	50	24	20.08	20.20	20.19	20.09	21.3	0
20	QPSK	50	50	19.98	20.11	20.01	20.02		
20	QPSK	100	0	20.11	20.14	20.07	19.97	21.3	0
20	16QAM	1	0	19.83	19.83	19.78	19.81		
20	16QAM	1	49	19.92	19.92	19.87	19.78	21.3	0
20	16QAM	1	99	19.57	19.76	19.69	19.60		
20	16QAM	50	0	19.80	19.97	19.86	19.89	21.3	0
20	16QAM	50	24	19.84	19.87	19.76	19.83		
20	16QAM	50	50	19.81	20.00	19.85	19.84	21.3	0
20	16QAM	100	0	19.88	20.00	19.85	19.85		
20	16QAM	1	0	19.48	19.51	19.36	19.42	21.3	0
20	16QAM	1	49	19.57	19.62	19.54	19.58		
20	16QAM	1	99	19.66	19.70	19.66	19.59	21.3	0
20	16QAM	50	0	19.85	20.03	20.00	19.85		
20	16QAM	50	24	20.03	20.04	20.00	19.88	21.3	0
20	16QAM	50	50	19.87	19.99	19.91	19.96		
20	16QAM	100	0	19.82	19.95	19.79	19.91		
Channel				40115	40395	40665	41165		
Frequency (MHz)				25425	25685	25955	26455		
15	QPSK	1	0	19.63	19.88	19.55	19.53	21.3	0
15	QPSK	1	37	20.00	20.10	20.09	19.93		
15	QPSK	1	74	19.97	20.12	20.02	19.93	21.3	0
15	QPSK	36	0	19.97	20.03	20.03	19.94		
15	QPSK	36	20	19.90	20.02	20.01	19.91	21.3	0
15	QPSK	36	39	19.97	19.95	20.00	19.86		
15	QPSK	75	0	19.92	20.03	19.88	19.86	21.3	0
15	16QAM	1	0	19.64	19.74	19.59	19.72		
15	16QAM	1	37	19.92	19.90	19.87	19.76	21.3	0
15	16QAM	1	74	19.39	19.75	19.51	19.59		
15	16QAM	36	0	19.62	19.97	19.88	19.89	21.3	0
15	16QAM	36	20	19.79	19.79	19.71	19.75		
15	16QAM	36	39	19.75	19.92	19.79	19.86	21.3	0
15	16QAM	75	0	19.87	19.86	19.84	19.71		
15	16QAM	1	0	19.90	19.85	19.78	19.76	21.3	0
15	16QAM	1	37	19.46	19.54	19.43	19.50		
15	16QAM	1	74	19.64	19.55	19.64	19.44	21.3	0
15	16QAM	36	0	19.74	19.96	19.89	19.78		
15	16QAM	36	20	20.03	19.97	20.00	19.81	21.3	0
15	16QAM	36	39	19.87	19.97	19.91	19.94		
15	16QAM	75	0	19.75	19.76	19.72	19.72		
Channel				40090	40350	40620	41160		
Frequency (MHz)				2550	2570	2590	2650		
10	QPSK	1	0	19.64	19.98	19.56	19.62	21.3	0
10	QPSK	1	25	20.00	20.25	20.09	20.08		
10	QPSK	1	49	19.92	20.10	19.97	19.91	21.3	0
10	QPSK	25	0	19.97	20.20	20.03	20.11		
10	QPSK	25	12	19.97	20.01	20.08	19.90	21.3	0
10	QPSK	25	25	19.80	19.93	19.83	19.84		
10	QPSK	50	0	20.10	20.10	20.06	19.93	21.3	0
10	16QAM	1	0	19.78	19.73	19.73	19.71		
10	16QAM	1	25	19.90	19.88	19.85	19.74	21.3	0
10	16QAM	1	49	19.55	19.74	19.67	19.58		
10	16QAM	25	0	19.71	19.84	19.77	19.76	21.3	0
10	16QAM	25	12	19.74	19.69	19.66	19.65		
10	16QAM	25	25	19.79	19.84	19.83	19.78	21.3	0
10	16QAM	50	0	19.77	19.88	19.74	19.73		
10	16QAM	1	0	19.88	20.00	20.26	19.91	21.3	0
10	16QAM	1	25	19.38	19.51	19.35	19.47		
10	16QAM	1	49	19.65	19.63	19.65	19.52	21.3	0
10	16QAM	25	0	19.79	19.96	19.94	19.78		
10	16QAM	25	12	19.93	19.86	19.90	19.70	21.3	0
10	16QAM	25	25	19.86	19.90	19.90	19.87		
10	16QAM	50	0	19.63	19.83	19.60	19.79		
Channel				40065	40325	40595	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	19.68	19.98	19.60	19.61	21.3	0
5	QPSK	1	12	19.88	20.25	19.97	20.08		
5	QPSK	1	24	19.82	20.11	19.87	19.92	21.3	0
5	QPSK	12	0	19.69	20.09	19.95	20.00		
5	QPSK	12	7	20.08	20.17	20.19	20.06	21.3	0
5	QPSK	12	13	19.85	20.03	19.88	19.94		
5	QPSK	25	0	19.97	20.08	19.93	19.91	21.3	0
5	16QAM	1	0	19.83	19.75	19.78	19.73		
5	16QAM	1	12	19.92	19.89	19.87	19.75	21.3	0
5	16QAM	1	24	19.45	19.60	19.57	19.44		
5	16QAM	12	0	19.75	19.82	19.81	19.74	21.3	0
5	16QAM	12	7	19.81	19.82	19.73	19.78		
5	16QAM	12	13	19.77	20.00	19.81	19.94	21.3	0
5	16QAM	25	0	19.87	19.86	19.84	19.71		
5	16QAM	1	0	19.80	19.92	19.68	19.83	21.3	0
5	16QAM	1	12	19.53	19.49	19.50	19.45		
5	16QAM	1	24	19.54	19.51	19.54	19.40	21.3	0
5	16QAM	12	0	19.80	19.93	19.95	19.75		
5	16QAM	12	7	20.01	19.87	19.98	19.71	21.3	0
5	16QAM	12	13	19.71	19.96	19.75	19.93		
5	16QAM	25	0	19.72	19.85	19.69	19.81		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.75	21.82	21.70	21.69	23.1	0
20	QPSK	1	49	21.90	22.05	21.83	21.86		
20	QPSK	1	99	21.53	21.67	21.62	21.51	23.1	0
20	QPSK	50	0	21.90	22.06	21.98	22.05		
20	QPSK	50	24	21.84	22.00	21.92	21.83	23.1	0
20	QPSK	50	50	21.71	21.75	21.59	21.57		
20	QPSK	100	0	21.66	21.83	21.70	21.65	23.1	0
20	16QAM	1	0	21.53	21.64	21.61	21.48		
20	16QAM	1	49	21.86	21.92	21.90	21.86	23.1	0
20	16QAM	1	99	21.45	21.49	21.30	21.43		
20	16QAM	50	0	21.30	21.42	21.26	21.39	22.1	1
20	16QAM	50	24	21.27	21.32	21.20	21.25		
20	16QAM	50	50	21.30	21.31	21.14	21.31	22.1	1
20	16QAM	100	0	21.21	21.38	21.26	21.37		
20	16QAM	1	0	20.74	20.88	20.72	20.81	22.1	1
20	16QAM	1	49	20.87	20.98	20.84	20.84		
20	16QAM	1	99	20.85	20.72	20.67	20.72	22.1	1
20	16QAM	50	0	20.30	20.42	20.35	20.27		
20	16QAM	50	24	20.31	20.32	20.27	20.32	21.1	2
20	16QAM	50	50	20.14	20.32	20.23	20.20		
20	16QAM	100	0	20.08	20.27	20.19	20.27		
Channel				40115	40395	40665	41165		
Frequency (MHz)				25425	25685	25955	26455		
15	QPSK	1	0	21.68	21.78	21.61	21.58	23.1	0
15	QPSK	1	37	21.82	22.06	21.75	21.83		
15	QPSK	1	74	21.48	21.60	21.57	21.44	23.1	0
15	QPSK	36	0	21.75	22.05	21.83	22.04		
15	QPSK	36	20	21.70	21.94	21.78	21.77	23.1	0
15	QPSK	36	39	21.63	21.72	21.51	21.54		
15	QPSK	75	0	21.53	21.75	21.57	21.57	23.1	0
15	16QAM	1	0	21.38	21.64	21.44	21.48		
15	16QAM	1	37	21.83	21.76	21.87	21.70	23.1	0
15	16QAM	1	74	21.29	21.40	21.14	21.34		
15	16QAM	36	0	21.16	21.34	21.12	21.31	22.1	1
15	16QAM	36	2						



DSI5

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.03	31.95	31.99	33.00	23.03	22.95	22.99	24.00
GPRS 1 Tx slot	32.01	32.04	31.92	33.00	23.01	23.04	22.92	24.00
GPRS 2 Tx slots	29.08	29.19	29.16	30.30	23.08	23.19	23.16	24.30
GPRS 3 Tx slots	27.56	27.28	27.45	28.30	23.30	23.02	23.19	24.24
GPRS 4 Tx slots	26.74	26.78	26.64	28.00	23.74	23.78	23.64	25.00
EDGE 1 Tx slot	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 2 Tx slots	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 3 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 4 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM1900_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	25.03	24.93	24.89	25.70	16.03	15.93	15.89	16.70
GPRS 1 Tx slot	24.90	24.84	24.96	25.70	15.90	15.84	15.96	16.70
GPRS 2 Tx slots	22.38	22.40	22.39	23.00	16.38	16.40	16.39	17.00
GPRS 3 Tx slots	20.56	20.66	20.53	21.00	16.30	16.40	16.27	16.74
GPRS 4 Tx slots	20.23	20.44	20.40	21.00	17.23	17.44	17.40	18.00
EDGE 1 Tx slot	24.70	24.80	24.94	25.70	15.70	15.80	15.94	16.70
EDGE 2 Tx slots	21.86	21.94	22.00	23.00	15.86	15.94	16.00	17.00
EDGE 3 Tx slots	19.70	19.81	19.81	21.00	15.44	15.55	15.55	16.74
EDGE 4 Tx slots	19.45	19.47	19.59	20.50	16.45	16.47	16.59	17.50

Band	WCDMA II_Ant13			Tune-up Limit (dBm)	WCDMA IV_Ant13			Tune-up Limit (dBm)	WCDMA V_Ant13			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	17.89	17.93	18.04	19.30	18.53	18.48	18.50	19.80	23.04	22.88	23.03	24.30
3GPP Rel 99	RMC 12.2Kbps	18.07	18.13	18.08	19.30	18.54	18.62	18.48	19.80	23.09	23.10	23.05	24.30
3GPP Rel 6	HSDPA Subtest-1	16.81	16.86	17.04	18.10	17.56	17.49	17.66	18.60	21.99	22.05	22.07	23.10
3GPP Rel 6	HSDPA Subtest-2	17.08	16.97	17.10	18.10	17.67	17.63	17.63	18.60	21.88	21.97	21.92	23.10
3GPP Rel 6	HSDPA Subtest-3	16.48	16.42	16.71	17.60	17.04	17.22	17.15	18.10	21.39	21.50	21.45	22.60
3GPP Rel 6	HSDPA Subtest-4	16.45	16.49	16.68	17.60	17.00	17.26	17.07	18.10	21.37	21.48	21.44	22.60
3GPP Rel 8	DC-HSDPA Subtest-1	16.88	16.74	16.84	18.10	17.57	17.52	17.59	18.60	21.97	21.83	21.94	23.10
3GPP Rel 8	DC-HSDPA Subtest-2	16.99	16.85	17.01	18.10	17.54	17.52	17.51	18.60	21.83	21.94	21.85	23.10
3GPP Rel 8	DC-HSDPA Subtest-3	16.45	16.34	16.57	17.60	17.05	17.21	17.12	18.10	21.25	21.35	21.37	22.60
3GPP Rel 8	DC-HSDPA Subtest-4	16.51	16.38	16.44	17.60	17.03	17.02	16.98	18.10	21.36	21.38	21.32	22.60
3GPP Rel 6	HSUPA Subtest-1	17.01	16.97	17.05	18.10	17.41	17.55	17.47	18.60	21.80	21.92	21.91	23.30
3GPP Rel 6	HSUPA Subtest-2	14.96	14.94	15.08	16.10	15.59	15.64	15.64	16.60	19.97	20.04	19.91	21.30
3GPP Rel 6	HSUPA Subtest-3	15.89	15.95	16.08	17.10	16.48	16.63	16.55	17.60	20.90	20.94	20.94	22.30
3GPP Rel 6	HSUPA Subtest-4	14.95	14.89	15.05	16.10	15.59	15.70	15.53	16.60	19.98	19.96	20.09	21.30
3GPP Rel 6	HSUPA Subtest-5	17.02	16.94	17.09	18.10	17.54	17.74	17.52	18.60	21.80	21.80	22.00	23.00

Band	WCDMA II_Ant13			Tune-up Limit (dBm)	WCDMA IV_Ant13			Tune-up Limit (dBm)	WCDMA V_Ant13			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	15.56	15.57	15.53	17.00	16.65	16.58	16.57	18.00	18.88	18.91	18.89	20.50
3GPP Rel 99	RMC 12.2Kbps	15.59	15.64	15.51	17.00	16.56	16.69	16.62	18.00	18.95	19.01	18.97	20.50
3GPP Rel 6	HSDPA Subtest-1	14.43	14.43	14.48	15.80	15.50	15.42	15.54	16.80	18.04	18.08	17.98	19.30
3GPP Rel 6	HSDPA Subtest-2	14.53	14.53	14.53	15.80	15.48	15.58	15.52	16.80	17.92	17.88	17.91	19.30
3GPP Rel 6	HSDPA Subtest-3	14.08	14.11	14.11	15.30	14.92	15.03	15.00	16.30	17.43	17.50	17.39	18.80
3GPP Rel 6	HSDPA Subtest-4	14.08	14.04	14.23	15.30	14.97	15.00	14.92	16.30	17.44	17.46	17.42	18.80
3GPP Rel 8	DC-HSDPA Subtest-1	14.44	14.22	14.41	15.80	15.35	15.34	15.31	16.90	17.97	18.05	18.07	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	14.53	14.49	14.54	15.80	15.50	15.50	15.35	16.80	17.86	17.86	17.88	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	14.02	14.01	14.10	15.30	14.74	14.88	14.88	16.30	17.39	17.38	17.50	18.80
3GPP Rel 8	DC-HSDPA Subtest-4	14.02	14.00	14.04	15.30	14.82	14.93	14.87	16.30	17.41	17.50	17.40	18.80
3GPP Rel 6	HSUPA Subtest-1	14.51	14.54	14.65	15.80	15.39	15.48	15.36	16.80	17.95	18.00	17.97	19.50
3GPP Rel 6	HSUPA Subtest-2	12.50	12.55	12.57	13.80	13.63	13.55	13.48	14.80	15.99	15.91	15.90	17.50
3GPP Rel 6	HSUPA Subtest-3	13.49	13.58	13.52	14.80	14.60	14.59	14.57	15.80	16.80	16.93	16.90	16.50
3GPP Rel 6	HSUPA Subtest-4	12.54	12.59	12.52	13.80	13.69	13.64	13.48	14.90	16.02	16.06	15.95	17.50
3GPP Rel 6	HSUPA Subtest-5	14.61	14.52	14.50	15.80	15.50	15.53	15.42	16.80	17.91	17.82	17.94	19.20

GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.75	31.65	31.80	32.70	22.75	22.65	22.80	23.70
GPRS 1 Tx slot	31.77	31.61	31.68	32.70	22.77	22.61	22.68	23.70
GPRS 2 Tx slots	29.66	29.71	29.70	30.50	23.66	23.71	23.70	24.50
GPRS 3 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 4 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
EDGE 1 Tx slot	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 2 Tx slots	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 3 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 4 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	28.41	28.44	28.53	29.50	19.41	19.44	19.53	20.50
GPRS 1 Tx slot	28.37	28.43	28.43	29.50	19.37	19.43	19.43	20.50
GPRS 2 Tx slots	24.66	24.76	24.82	26.00	18.66	18.76	18.82	20.00
GPRS 3 Tx slots	23.00	23.18	23.37	24.10	18.74	18.92	19.11	19.84
GPRS 4 Tx slots	21.80	21.92	21.97	22.80	18.80	18.92	18.97	19.80
EDGE 1 Tx slot	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 2 Tx slots	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 3 Tx slots	21.18	21.24	21.60	22.30	16.92	16.98	17.34	18.04
EDGE 4 Tx slots	19.85	20.10	20.23	21.00	16.85	17.10	17.23	18.00



Band 2_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel								
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.11	16.16	16.12		
20	QPSK	1	49	16.14	16.32	16.25		
20	QPSK	1	99	16.28	16.30	16.21	17	0
20	QPSK	50	0	16.03	16.03	16.03		
20	QPSK	50	24	16.03	16.03	16.07		
20	QPSK	50	50	15.99	16.10	16.11	17	0
20	QPSK	100	0	16.08	16.14	16.12		
20	16QAM	1	0	15.96	16.18	16.18		
20	16QAM	1	49	16.01	16.09	16.09	17	0
20	16QAM	1	99	16.07	16.17	16.13		
20	16QAM	50	0	16.00	16.01	16.12		
20	16QAM	50	24	15.89	16.16	16.19	17	0
20	16QAM	50	50	16.00	16.10	16.10		
20	16QAM	100	0	16.05	16.12	16.10		
20	64QAM	1	0	16.12	16.13	16.15		
20	64QAM	1	49	15.93	16.23	16.14	17	0
20	64QAM	1	99	16.06	16.05	16.11		
20	64QAM	50	0	16.04	16.20	16.14		
20	64QAM	50	24	16.05	16.15	16.19	17	0
20	64QAM	50	50	15.92	16.05	16.08		
20	64QAM	100	0	15.98	16.15	16.16		
Channel								
Frequency (MHz)				1897.5	1890	1902.5		
15	QPSK	1	0	15.97	16.15	16.11		
15	QPSK	1	37	16.01	16.08	16.06	17	0
15	QPSK	1	74	16.09	16.09	16.13		
15	QPSK	36	0	15.89	16.08	15.85		
15	QPSK	36	20	15.96	15.93	15.93	17	0
15	QPSK	36	39	15.86	16.01	15.83		
15	QPSK	75	0	15.97	16.03	15.85		
15	16QAM	1	0	15.85	15.96	15.99		
15	16QAM	1	37	15.76	15.91	16.00	17	0
15	16QAM	1	74	15.99	15.91	15.89		
15	16QAM	36	0	15.85	15.89	16.09		
15	16QAM	36	20	15.77	16.08	15.97	17	0
15	16QAM	36	39	15.96	15.90	15.90		
15	16QAM	75	0	15.85	16.07	16.04		
15	64QAM	1	0	15.88	16.05	15.91		
15	64QAM	1	37	15.77	16.01	15.96	17	0
15	64QAM	1	74	15.90	15.90	15.95		
15	64QAM	36	0	15.93	15.99	16.04		
15	64QAM	36	20	15.98	15.96	16.01	17	0
15	64QAM	36	39	15.75	15.95	15.96		
15	64QAM	75	0	15.81	15.89	15.96		
Channel								
Frequency (MHz)				1885.0	1890	1905.0		
10	QPSK	1	0	15.99	16.09	16.07		
10	QPSK	1	25	15.98	16.16	16.04	17	0
10	QPSK	1	49	16.05	16.07	16.07		
10	QPSK	25	0	15.80	15.96	15.97		
10	QPSK	25	12	15.91	15.92	15.97	17	0
10	QPSK	25	25	15.92	15.90	15.86		
10	QPSK	50	0	15.86	15.95	16.00		
10	16QAM	1	0	15.83	16.04	15.93		
10	16QAM	1	25	15.86	16.01	16.07	17	0
10	16QAM	1	49	15.94	15.90	15.92		
10	16QAM	25	0	15.87	15.93	16.04		
10	16QAM	25	12	15.75	16.07	16.02	17	0
10	16QAM	25	25	15.88	16.00	15.88		
10	16QAM	50	0	15.91	15.96	15.98		
10	64QAM	1	0	15.91	16.04	15.99		
10	64QAM	1	25	15.78	16.04	16.01	17	0
10	64QAM	1	49	15.86	15.98	15.99		
10	64QAM	25	0	15.79	16.10	16.03		
10	64QAM	25	12	15.87	16.10	16.07	17	0
10	64QAM	25	25	15.77	15.94	16.01		
10	64QAM	50	0	15.92	15.96	15.92		
Channel								
Frequency (MHz)				1852.5	1890	1927.5		
5	QPSK	1	0	15.96	16.04	16.03		
5	QPSK	1	12	16.02	16.12	16.06	17	0
5	QPSK	1	24	16.12	16.08	16.06		
5	QPSK	12	0	15.84	16.08	15.91		
5	QPSK	12	7	15.94	15.90	15.90	17	0
5	QPSK	12	13	15.86	15.99	15.88		
5	QPSK	25	0	15.88	16.00	16.03		
5	16QAM	1	0	15.91	15.96	15.99		
5	16QAM	1	12	15.81	15.92	16.06	17	0
5	16QAM	1	24	15.96	15.97	15.84		
5	16QAM	12	0	15.79	15.96	15.99		
5	16QAM	12	7	15.76	16.10	16.05	17	0
5	16QAM	12	13	15.90	16.01	15.98		
5	16QAM	25	0	15.89	16.02	16.03		
5	64QAM	1	0	16.00	15.96	15.86		
5	64QAM	1	12	15.86	16.04	15.93	17	0
5	64QAM	1	24	15.98	16.01	15.95		
5	64QAM	12	0	15.82	16.09	15.88		
5	64QAM	12	7	15.99	15.99	16.03	17	0
5	64QAM	12	13	15.78	15.92	15.87		
5	64QAM	25	0	15.84	15.86	16.03		
Channel								
Frequency (MHz)				1861.5	1890	1916.5		
3	QPSK	1	0	16.05	16.14	16.03		
3	QPSK	1	8	16.05	16.19	16.13	17	0
3	QPSK	1	14	16.08	16.05	16.03		
3	QPSK	8	0	15.75	15.96	15.96		
3	QPSK	8	4	15.94	15.91	15.86	17	0
3	QPSK	8	7	15.90	15.96	15.87		
3	QPSK	15	0	15.92	15.87	15.91		
3	16QAM	1	0	15.79	16.03	15.95		
3	16QAM	1	8	15.86	15.89	16.04	17	0
3	16QAM	1	14	15.92	15.93	15.93		
3	16QAM	8	0	15.80	15.93	15.99		
3	16QAM	8	4	15.85	16.06	16.01	17	0
3	16QAM	8	7	15.94	15.93	15.99		
3	16QAM	15	0	15.84	16.06	15.97		
3	64QAM	1	0	15.98	16.03	15.86		
3	64QAM	1	8	15.99	15.99	15.96	17	0
3	64QAM	1	14	15.98	15.98	15.93		
3	64QAM	8	0	15.93	15.99	15.99		
3	64QAM	8	4	15.82	16.10	16.09	17	0
3	64QAM	8	7	15.84	15.96	15.96		
3	64QAM	15	0	15.82	15.88	15.92		
Channel								
Frequency (MHz)				1850.7	1890	1920.3		
1.4	QPSK	1	0	16.00	16.03	16.05		
1.4	QPSK	1	3	16.01	16.06	16.10	17	0
1.4	QPSK	1	5	16.10	16.12	16.08		
1.4	QPSK	3	0	15.75	16.07	15.89		
1.4	QPSK	3	1	15.92	15.93	15.87	17	0
1.4	QPSK	3	3	15.97	15.99	15.97		
1.4	QPSK	6	0	15.85	15.93	15.97		
1.4	16QAM	1	0	15.89	16.04	15.92		
1.4	16QAM	1	3	15.78	15.97	15.99	17	0
1.4	16QAM	1	5	15.86	15.97	15.84		
1.4	16QAM	3	0	15.84	15.86	16.08		
1.4	16QAM	3	1	15.84	16.02	16.03	17	0
1.4	16QAM	3	3	15.86	15.90	15.95		
1.4	16QAM	6	0	15.84	15.88	15.97	17	0
1.4	64QAM	1	0	15.92	16.05	15.88		
1.4	64QAM	1	3	15.78	16.08	15.88		
1.4	64QAM	1	5	15.96	15.90	15.95	17	0
1.4	64QAM	3	0	15.90	16.04	16.01		
1.4	64QAM	3	1	15.88	15.99	16.03		
1.4	64QAM	3	3	15.78	15.96	16.01	17	0
1.4	64QAM	6	0	15.80	15.88	15.91		

Band 2_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel								
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.55	19.56	19.46		
20	QPSK	1	49	19.55	19.63	19.44	20.3	0
20	QPSK	1	99	19.51	19.52	19.46		
20	QPSK	50	0	19.27	19.43	19.27		
20	QPSK	50	24	19.49	19.61	19.38	20.3	0
20	QPSK	50	50	19.32	19.56	19.40		
20	QPSK	100	0	19.45	19.60	19.42		
20	16QAM	1	0	19.43	19.53	19.52		
20	16QAM	1	49	19.47	19.51	19.39	20.3	0
20	16QAM	1	99</					



Band 4_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 20175	Middle Ch. / Freq. 17325	High Ch. / Freq. 1745		
Channel								
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.40	18.45	18.38	19.4	0
20	QPSK	1	49	18.41	18.68	18.44		
20	QPSK	1	99	18.07	18.12	18.10		
20	QPSK	50	0	18.37	18.22	18.22	19.4	0
20	QPSK	50	24	18.21	18.22	18.21		
20	QPSK	50	50	18.13	18.21	18.17		
20	QPSK	100	0	18.14	18.26	18.10		
20	16QAM	1	0	18.01	18.13	18.10		
20	16QAM	1	49	18.03	18.14	18.04	19.4	0
20	16QAM	1	99	17.84	17.97	17.96		
20	16QAM	50	0	18.37	18.42	18.24		
20	16QAM	50	24	18.32	18.37	18.32		
20	16QAM	50	50	17.88	18.13	17.96	19.4	0
20	16QAM	100	0	18.11	18.17	18.17		
20	64QAM	1	0	18.37	18.40	18.29		
20	64QAM	1	49	18.26	18.45	18.40	19.4	0
20	64QAM	1	99	18.04	18.22	18.14		
20	64QAM	50	0	18.25	18.37	18.23		
20	64QAM	50	24	18.09	18.22	18.13	19.4	0
20	64QAM	50	50	18.18	18.19	18.11		
20	64QAM	100	0	18.31	18.33	18.26		
Channel				20025	20175	20350		
Frequency (MHz)				17115	17325	17425		
15	QPSK	1	0	18.31	18.27	18.30		
15	QPSK	1	37	18.35	18.65	18.38	19.4	0
15	QPSK	1	74	18.06	17.98	18.08		
15	QPSK	36	0	18.26	18.36	18.30		
15	QPSK	36	20	18.12	18.03	18.12		
15	QPSK	36	39	18.07	18.17	18.11	19.4	0
15	16QAM	1	0	17.98	18.23	18.20		
15	16QAM	1	0	17.98	17.97	18.07		
15	16QAM	1	37	17.89	18.03	17.90	19.4	0
15	16QAM	1	74	17.75	17.94	17.87		
15	16QAM	36	0	18.36	18.24	18.23		
15	16QAM	36	20	18.29	18.27	18.29	19.4	0
15	16QAM	36	39	17.99	18.23	18.20		
15	16QAM	75	0	18.08	18.04	18.14		
15	64QAM	1	0	18.37	18.25	18.29		
15	64QAM	1	37	18.20	18.29	18.32	19.4	0
15	64QAM	1	74	18.00	18.18	18.00		
15	64QAM	36	0	18.07	18.29	18.05		
15	64QAM	36	20	17.89	18.23	18.20	19.4	0
15	64QAM	36	39	18.08	18.15	18.01		
15	64QAM	75	0	18.31	18.19	18.26		
Channel				20000	20175	20350		
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.38	18.45	18.37	19.4	0
10	QPSK	1	25	18.23	18.64	18.26		
10	QPSK	1	49	18.00	17.96	18.03		
10	QPSK	25	0	18.22	18.34	18.26	19.4	0
10	QPSK	25	12	18.05	18.08	18.05		
10	QPSK	25	25	18.13	18.07	18.17		
10	QPSK	50	0	17.85	18.15	17.91		
10	16QAM	1	0	17.82	18.04	18.01		
10	16QAM	1	49	17.86	18.11	17.87	19.4	0
10	16QAM	1	99	17.70	17.89	17.85		
10	16QAM	25	0	18.29	18.23	18.16		
10	16QAM	25	12	18.17	18.26	18.17	19.4	0
10	16QAM	25	25	17.83	18.00	17.81		
10	16QAM	50	0	18.10	18.15	18.16		
10	64QAM	1	0	18.19	18.29	18.11		
10	64QAM	1	25	18.10	18.40	18.25	19.4	0
10	64QAM	1	49	17.90	18.07	18.00		
10	64QAM	25	0	18.24	18.36	18.22		
10	64QAM	25	12	18.02	18.19	18.06	19.4	0
10	64QAM	25	25	17.99	18.15	17.92		
10	64QAM	50	0	18.30	18.24	18.25		
Channel				20075	20175	20350		
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.30	18.37	18.20	19.4	0
5	QPSK	1	12	18.39	18.56	18.42		
5	QPSK	1	24	17.91	17.99	17.94		
5	QPSK	12	0	18.21	18.30	18.25		
5	QPSK	12	7	18.06	18.10	18.06	19.4	0
5	QPSK	12	13	18.04	18.04	18.08		
5	QPSK	12	25	18.07	18.16	18.20		
5	16QAM	1	0	17.89	18.02	17.98		
5	16QAM	1	12	17.93	17.97	17.94	19.4	0
5	16QAM	1	24	17.89	17.83	17.81		
5	16QAM	12	0	18.26	18.32	18.13		
5	16QAM	12	7	18.19	18.30	18.19	19.4	0
5	16QAM	12	13	17.87	18.04	17.85		
5	16QAM	25	0	17.96	18.01	18.02		
5	64QAM	1	0	18.28	18.35	18.20		
5	64QAM	1	12	18.09	18.44	18.21	19.4	0
5	64QAM	1	24	17.88	18.16	17.96		
5	64QAM	12	0	18.23	18.18	18.21		
5	64QAM	12	7	18.09	18.14	18.20	19.4	0
5	64QAM	12	13	18.00	18.00	17.93		
5	64QAM	25	0	18.22	18.31	18.17		
Channel				19965	20175	20386		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.37	18.37	18.36	19.4	0
3	QPSK	1	8	18.33	18.66	18.36		
3	QPSK	1	14	17.97	18.06	18.00		
3	QPSK	8	0	18.30	18.40	18.34	19.4	0
3	QPSK	8	4	18.16	18.12	18.16		
3	QPSK	8	7	18.11	18.12	18.15		
3	QPSK	15	0	17.89	18.13	17.95		
3	16QAM	1	0	17.88	18.00	17.95	19.4	0
3	16QAM	1	8	18.02	18.12	18.03		
3	16QAM	1	14	17.75	17.90	17.87		
3	16QAM	8	0	18.25	18.37	18.12		
3	16QAM	8	4	18.27	18.21	18.27	19.4	0
3	16QAM	8	7	17.88	17.96	17.96		
3	16QAM	15	0	18.11	18.12	18.17		
3	64QAM	1	0	18.24	18.22	18.16	19.4	0
3	64QAM	1	8	18.10	18.29	18.22		
3	64QAM	1	14	18.04	18.13	18.14		
3	64QAM	8	0	18.17	18.21	18.15		
3	64QAM	8	4	17.99	18.07	18.03	19.4	0
3	64QAM	8	7	18.06	18.08	17.99		
3	64QAM	15	0	18.20	18.24	18.15		
Channel				19957	20175	20393		
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.27	18.33	18.26	19.4	0
1.4	QPSK	1	3	18.27	18.50	18.30		
1.4	QPSK	1	5	17.95	18.04	17.98		
1.4	QPSK	3	0	18.26	18.30	18.30		
1.4	QPSK	3	1	18.08	18.19	18.09	19.4	0
1.4	QPSK	3	3	18.08	18.02	18.13		
1.4	QPSK	6	0	18.00	18.26	17.98		
1.4	16QAM	1	0	17.88	17.99	17.97		
1.4	16QAM	1	3	18.03	17.96	18.04	19.4	0
1.4	16QAM	1	5	17.67	17.80	17.79		
1.4	16QAM	3	0	18.29	18.25	18.16		
1.4	16QAM	3	1	18.31	18.36	18.31		
1.4	16QAM	3	3	17.81	17.96	17.92	19.4	0
1.4	16QAM	6	0	17.92	18.00	17.98		
1.4	64QAM	1	0	18.28	18.38	18.20		
1.4	64QAM	1	3	18.24	18.39	18.36	19.4	0
1.4	64QAM	1	5	17.85	18.13	17.95		
1.4	64QAM	3	0	18.16	18.32	18.16		
1.4	64QAM	3	1	17.90	18.11	17.94		
1.4	64QAM	3	3	18.13	18.06	18.06	19.4	0
1.4	64QAM	6	0	18.23	18.31	18.18		

Band 5_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 20450	Middle Ch. / Freq. 20525	High Ch. / Freq. 20600		
Channel								
Frequency (MHz)				829	838.5	844		
10	QPSK	1	0	20.00	20.02	19.99		
10	QPSK	1	25	20.01	20.43	20.10	21	0
10	QPSK	1	49	19.96	20.12	19.93		
10	QPSK	25	0	20.10	20.13	20.09		
10	QPSK	25	12	19.75	19.90	19.87	21	0
10	QPSK	25	25					



Band 7_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560		
Frequency (MHz)								
20	QPSK	1	0	17.12	17.15	17.10		
20	QPSK	1	49	17.15	17.25	17.21		
20	QPSK	1	99	16.91	17.07	16.95	18	0
20	QPSK	50	0	17.04	17.16	17.14		
20	QPSK	50	24	17.05	17.16	17.08		
20	QPSK	50	50	17.11	17.11	17.07	18	0
20	QPSK	100	0	17.09	17.12	17.05		
20	16QAM	1	0	16.72	16.81	16.71		
20	16QAM	1	49	16.88	17.01	16.92	18	0
20	16QAM	1	99	16.41	16.55	16.44		
20	16QAM	50	0	17.13	17.16	17.13		
20	16QAM	50	24	16.86	17.04	16.86	18	0
20	16QAM	50	50	16.94	17.12	17.08		
20	16QAM	100	0	17.07	17.09	16.99		
20	64QAM	1	0	16.94	17.11	17.11		
20	64QAM	1	49	17.05	17.15	17.06	18	0
20	64QAM	1	99	17.08	17.10	17.07		
20	64QAM	50	0	17.02	17.12	17.06		
20	64QAM	50	24	17.07	17.12	17.06	18	0
20	64QAM	50	50	16.97	17.14	17.02		
20	64QAM	100	0	16.94	17.08	16.92		
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
15	QPSK	1	0	17.11	16.99	17.09		
15	QPSK	1	37	17.11	17.21	17.17	18	0
15	QPSK	1	74	16.77	17.03	16.81		
15	QPSK	36	0	16.88	17.07	16.98		
15	QPSK	36	20	16.88	17.15	16.91	18	0
15	QPSK	36	39	16.98	17.11	16.94		
15	QPSK	75	0	16.94	17.11	16.90		
15	16QAM	1	0	16.88	16.72	16.87		
15	16QAM	1	37	16.73	17.01	16.77	18	0
15	16QAM	1	74	16.31	16.41	16.34		
15	16QAM	36	0	16.98	17.07	16.98		
15	16QAM	36	20	16.85	16.98	16.85	18	0
15	16QAM	36	39	16.82	16.99	16.90		
15	16QAM	75	0	17.02	16.98	16.94		
15	64QAM	1	0	16.94	16.99	17.11		
15	64QAM	1	37	16.99	17.01	17.00	18	0
15	64QAM	1	74	17.04	17.04	17.03		
15	64QAM	36	0	16.96	16.97	17.00		
15	64QAM	36	20	17.03	17.04	17.02	18	0
15	64QAM	36	39	16.94	16.97	16.90		
15	64QAM	75	0	16.75	16.98	16.73		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.99	16.97	16.97		
10	QPSK	1	25	17.13	17.23	17.19	18	0
10	QPSK	1	49	16.77	16.96	16.81		
10	QPSK	25	0	16.97	17.13	16.97		
10	QPSK	25	12	17.02	17.03	17.05		
10	QPSK	25	25	17.08	16.97	17.04	18	0
10	QPSK	50	0	16.93	17.06	16.89		
10	16QAM	1	0	16.57	16.70	16.56		
10	16QAM	1	25	16.84	16.82	16.88	18	0
10	16QAM	1	49	16.26	16.39	16.29		
10	16QAM	25	0	17.06	16.98	17.06		
10	16QAM	25	12	16.86	16.96	16.86	18	0
10	16QAM	25	25	16.80	16.99	16.94		
10	16QAM	50	0	16.96	16.95	16.88		
10	64QAM	1	0	16.86	17.04	17.03		
10	64QAM	1	25	17.02	17.06	17.03	18	0
10	64QAM	1	49	17.07	16.98	17.06		
10	64QAM	25	0	16.93	17.00	16.97		
10	64QAM	25	12	17.02	17.06	17.01	18	0
10	64QAM	25	25	16.94	17.07	16.99		
10	64QAM	50	0	16.87	17.00	16.85		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.09	16.96	17.07		
5	QPSK	1	12	16.98	17.06	17.04	18	0
5	QPSK	1	24	16.91	17.07	16.95		
5	QPSK	12	0	16.89	17.06	16.99		
5	QPSK	12	7	16.91	17.09	16.94	18	0
5	QPSK	12	13	17.10	16.96	17.06		
5	QPSK	25	0	17.01	17.04	16.97		
5	16QAM	1	0	16.57	16.80	16.56		
5	16QAM	1	12	16.81	16.85	16.85	18	0
5	16QAM	1	24	16.33	16.36	16.36		
5	16QAM	12	0	16.96	17.04	16.96		
5	16QAM	12	7	16.78	17.03	16.78	18	0
5	16QAM	12	13	16.82	17.07	16.96		
5	16QAM	25	0	17.04	17.07	16.96		
5	64QAM	1	0	16.86	17.11	17.03		
5	64QAM	1	12	17.04	17.00	17.05	18	0
5	64QAM	1	24	17.06	16.97	17.05		
5	64QAM	12	0	16.88	17.08	16.92		
5	64QAM	12	7	17.01	17.05	17.00	18	0
5	64QAM	12	13	16.80	17.08	16.85		
5	64QAM	25	0	16.90	16.95	16.88		

Band 7_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560		
Frequency (MHz)								
20	QPSK	1	0	15.80	15.87	15.79		
20	QPSK	1	49	15.82	15.90	15.85	16.7	0
20	QPSK	1	99	15.53	15.72	15.55		
20	QPSK	50	0	15.86	15.83	15.72		
20	QPSK	50	24	15.75	15.85	15.69	16.7	0
20	QPSK	50	50	15.61	15.77	15.63		
20	QPSK	100	0	15.65	15.79	15.67		
20	16QAM	1	0	15.53	15.56	15.37		
20	16QAM	1	49	15.69	15.78	15.69	16.7	0
20	16QAM	1	99	15.49	15.58	15.47		
20	16QAM	50	0	15.60	15.70	15.61		
20	16QAM	50	24	15.81	15.86	15.70	16.7	0
20	16QAM	50	50	15.73	15.88	15.79		
20	16QAM	100	0	15.82	15.85	15.73		
20	64QAM	1	0	15.21	15.34	15.28		
20	64QAM	1	49	15.50	15.62	15.52	16.7	0
20	64QAM	1	99	15.17	15.36	15.25		
20	64QAM	50	0	15.68	15.85	15.68		
20	64QAM	50	24	15.80	15.84	15.67	16.7	0
20	64QAM	50	50	15.75	15.80	15.79		
20	64QAM	100	0	15.63	15.79	15.62		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
15	QPSK	1	0	15.80	15.72	15.79		
15	QPSK	1	37	15.80	15.82	15.83	16.7	0
15	QPSK	1	74	15.48	15.66	15.40		
15	QPSK	36	0	15.68	15.69	15.54		
15	QPSK	36	20	15.57	15.81	15.51	16.7	0
15	QPSK	36	39	15.55	15.58	15.57		
15	QPSK	75	0	15.60	15.60	15.62		
15	16QAM	1	0	15.36	15.44	15.20		
15	16QAM	1	37	15.59	15.70	15.59	16.7	0
15	16QAM	1	74	15.43	15.37	15.40		
15	16QAM	36	0	15.53	15.59	15.54		
15	16QAM	36	20	15.80	15.79	15.69	16.7	0
15	16QAM	36	39	15.54	15.81	15.60		
15	16QAM	75	0	15.81	15.71	15.72		
15	64QAM	1	0	15.12	15.26	15.19		
15	64QAM	1	37	15.41	15.62	15.44	16.7	0
15	64QAM	1	74	15.07	15.25	15.15		
15	64QAM	36	0	15.52	15.72	15.52		
15	64QAM	36	20	15.76	15.68	15.63	16.7	0
15	64QAM	36	39	15.60	15.65	15.64		
15	64QAM	75	0	15.60	15.71	15.59		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.67	15.73	15.66		
10	QPSK	1	25	15.67	15.90	15.70	16.7	0
10	QPSK	1	49	15.54	15.66	15.46		
10	QPSK	25	0	15.74	15.78	15.60		
10	QPSK	25	12	15.72	15.85	15.66		
10	QPSK	25	25	15.56	15.6			



Band 13_Ant31

BW (MHz)	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	21.58	21.58	21.58	23.3	0
10	QPSK	1	25	21.92	21.92	21.92		
10	QPSK	1	49	21.83	21.83	21.83	22.3	1
10	QPSK	25	0	20.95	20.95	20.95		
10	QPSK	25	12	20.85	20.85	20.85	21.3	2
10	QPSK	25	25	20.95	20.95	20.95		
10	QPSK	50	0	20.98	20.98	20.98	21.3	2
10	16QAM	1	0	21.03	21.03	21.03		
10	16QAM	1	25	20.99	20.99	20.99	20.3	3
10	16QAM	1	49	20.96	20.96	20.96		
10	16QAM	25	0	19.95	19.95	19.95	20.3	3
10	16QAM	25	12	20.08	20.08	20.08		
10	16QAM	25	25	19.92	19.92	19.92	20.3	3
10	16QAM	50	0	20.05	20.05	20.05		
10	64QAM	1	0	19.88	19.88	19.88	21.3	2
10	64QAM	1	25	19.96	19.96	19.96		
10	64QAM	1	49	19.98	19.98	19.98	20.3	3
10	64QAM	25	0	18.94	18.94	18.94		
10	64QAM	25	12	18.80	18.80	18.80	20.3	3
10	64QAM	25	25	18.86	18.86	18.86		
10	64QAM	50	0	18.96	18.96	18.96	20.3	3
10	64QAM	50	0	18.96	18.96	18.96		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.64	21.55	21.57	23.3	0
5	QPSK	1	12	21.83	21.79	21.75		
5	QPSK	1	24	21.75	21.82	21.72	22.3	1
5	QPSK	12	0	20.85	20.86	20.80		
5	QPSK	12	7	20.96	20.89	20.91	22.3	1
5	QPSK	12	13	21.00	21.05	20.93		
5	QPSK	25	0	20.97	20.91	21.94	22.3	1
5	16QAM	1	0	21.06	21.05	20.99		
5	16QAM	1	12	20.91	20.98	20.86	21.3	2
5	16QAM	1	24	20.98	20.90	20.97		
5	16QAM	12	0	19.96	19.90	19.91	21.3	2
5	16QAM	12	7	19.99	20.01	20.05		
5	16QAM	12	13	20.01	20.06	19.99	20.3	3
5	16QAM	25	0	19.99	20.06	19.90		
5	64QAM	1	0	19.87	19.94	19.84	21.3	2
5	64QAM	1	12	20.07	20.08	20.12		
5	64QAM	1	24	20.05	19.95	20.09	20.3	3
5	64QAM	12	0	18.88	19.06	18.97		
5	64QAM	12	7	18.97	18.96	18.90	20.3	3
5	64QAM	12	13	18.84	18.92	18.93		
5	64QAM	25	0	19.05	18.92	18.90	20.3	3
5	64QAM	25	0	19.05	18.92	18.90		

Band 26_Ant13

BW (MHz)	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)								
15	QPSK	1	0	22.83	22.61	22.99	24	0
15	QPSK	1	37	23.22	23.28	23.25		
15	QPSK	1	74	23.05	22.76	23.01	23	1
15	QPSK	36	0	21.91	22.15	22.98		
15	QPSK	36	20	21.99	21.94	22.10	23	1
15	QPSK	36	39	22.03	22.04	22.10		
15	QPSK	75	0	22.03	22.05	22.00	23	1
15	16QAM	1	0	21.79	21.70	21.80		
15	16QAM	1	37	22.08	22.00	22.15	22	2
15	16QAM	1	74	21.95	21.68	21.85		
15	16QAM	36	0	20.72	20.76	20.95	22	2
15	16QAM	36	20	20.87	20.82	21.10		
15	16QAM	36	39	20.82	20.96	21.01	22	2
15	16QAM	75	0	21.01	20.97	20.95		
15	64QAM	1	0	20.90	20.83	21.24	22	2
15	64QAM	1	37	20.88	21.13	21.20		
15	64QAM	1	74	20.97	21.00	20.94	21	3
15	64QAM	36	0	20.00	19.93	20.06		
15	64QAM	36	20	19.89	20.00	20.21	21	3
15	64QAM	36	39	20.08	20.06	19.96		
15	64QAM	75	0	19.96	20.09	20.36	21	3
15	64QAM	75	0	19.96	20.09	20.36		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.74	22.59	22.90	24	0
10	QPSK	1	25	23.13	23.10	23.16		
10	QPSK	1	49	22.90	22.62	22.86	23	1
10	QPSK	25	0	21.73	22.02	21.90		
10	QPSK	25	12	21.94	21.88	22.05	22	2
10	QPSK	25	25	21.97	21.90	22.00		
10	QPSK	50	0	21.95	22.02	20.94	22	2
10	16QAM	1	0	21.60	21.63	21.61		
10	16QAM	1	25	21.97	21.95	22.04	21	3
10	16QAM	1	49	21.53	21.73	21.82		
10	16QAM	25	0	20.53	20.63	20.76	22	2
10	16QAM	25	12	20.87	20.72	21.10		
10	16QAM	25	25	20.85	20.97	20.84	21	3
10	16QAM	50	0	21.01	20.92	20.95		
10	64QAM	1	0	20.80	20.73	21.14	22	2
10	64QAM	1	25	20.87	21.05	21.19		
10	64QAM	1	49	20.79	20.91	20.76	21	3
10	64QAM	25	0	19.85	19.83	19.91		
10	64QAM	25	12	19.95	19.90	19.94	21	3
10	64QAM	25	25	19.88	20.00	19.86		
10	64QAM	50	0	19.80	20.06	20.20	21	3
10	64QAM	50	0	19.80	20.06	20.20		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.75	22.46	22.91	24	0
5	QPSK	1	12	23.09	23.11	23.12		
5	QPSK	1	24	22.91	22.62	22.87	23	1
5	QPSK	12	0	21.73	22.10	21.90		
5	QPSK	12	7	21.83	21.82	21.94	23	1
5	QPSK	12	13	21.84	21.88	21.91		
5	QPSK	25	0	22.02	21.91	21.99	23	1
5	16QAM	1	0	21.88	21.61	21.69		
5	16QAM	1	12	22.01	21.81	22.08	22	2
5	16QAM	1	24	21.90	21.80	21.79		
5	16QAM	12	0	20.57	20.69	20.80	22	2
5	16QAM	12	7	20.69	20.65	20.92		
5	16QAM	12	13	20.81	20.88	21.00	22	2
5	16QAM	25	0	20.93	20.90	20.87		
5	64QAM	1	0	20.73	20.78	21.07	22	2
5	64QAM	1	12	20.76	21.12	21.02		
5	64QAM	1	24	20.95	20.82	20.92	21	3
5	64QAM	12	0	19.89	19.86	19.95		
5	64QAM	12	7	19.73	19.86	20.05	21	3
5	64QAM	12	13	20.00	19.93	19.88		
5	64QAM	25	0	19.94	20.00	20.34	21	3
5	64QAM	25	0	19.94	20.00	20.34		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.64	22.49	22.80	24	0
3	QPSK	1	8	23.15	23.11	23.18		
3	QPSK	1	14	22.93	22.66	22.89	23	1
3	QPSK	8	0	21.73	22.05	21.90		
3	QPSK	8	4	21.90	21.76	22.01	23	1
3	QPSK	8	7	21.93	21.96	22.00		
3	QPSK	15	0	21.67	21.60	21.84	22	2
3	16QAM	1	0	21.65	21.59	21.66		
3	16QAM	1	8	22.02	21.83	22.09	22	2
3	16QAM	1	14	21.49	21.75	21.78		
3	16QAM	8	0	20.70	20.59	20.93	21	3
3	16QAM	8	4	20.72	20.70	20.95		
3	16QAM	8	7	20.65	20.90	20.94	21	3
3	16QAM	15	0	20.85	20.81	20.79		
3	64QAM	1	0	20.76	20.77	21.10	22	2
3	64QAM	1	8	20.83	21.03	21.15		
3	64QAM	1	14	20.95	20.96	20.92	21	3
3	64QAM	8	0	19.96	19.88	20.02		
3	64QAM	8	4	19.75	20.00	20.07	21	3
3	64QAM	8	7	19.93	19.89	19.81		
3	64QAM	15	0	19.77	20.07	20.17	21	3
3	64QAM	15	0	19.77	20.07	20.17		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.82	22.51	22.98	24	0
1.4	QPSK	1	3	23.06	23.20	23.09		
1.4	QPSK	1	5	22.89	22.74	22.85	23	1
1.4	QPSK	3	0	22.79	23.08	22.96		
1.4	QPSK	3	1	22.93	22.82	23.04	23	1
1.4	QPSK	3	3	23.02	22.94	23.09		
1.4	16QAM	1	0	21.94	21.94	21.91	22	2
1.4	16QAM	1	0	21.68	21.56	21.69		
1.4	16QAM	1	3	21.89	21.88	21.96	22	2
1.4								



Band 66_Ant13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1720	1745	1770		
20	QPSK	1	0	18.22	18.30	18.24					
20	QPSK	1	49	18.29	18.44	18.30					
20	QPSK	1	99	18.03	18.13	18.06	19	0			
20	QPSK	50	0	18.26	18.33	18.18					
20	QPSK	50	24	18.14	18.30	18.16	19	0			
20	QPSK	50	50	18.14	18.25	18.21					
20	QPSK	100	0	18.00	18.06	18.01					
20	16QAM	1	0	17.80	17.97	17.86					
20	16QAM	1	49	17.87	18.01	17.81	19	0			
20	16QAM	1	99	17.91	17.90	17.81					
20	16QAM	50	0	17.89	18.07	17.88					
20	16QAM	50	24	18.01	18.19	18.07	19	0			
20	16QAM	50	50	17.95	18.12	17.95					
20	16QAM	100	0	18.05	18.07	17.89					
20	64QAM	1	0	18.10	18.13	18.02					
20	64QAM	1	49	18.11	18.20	18.12	19	0			
20	64QAM	1	99	18.23	18.25	18.24					
20	64QAM	50	0	17.99	18.08	18.08					
20	64QAM	50	24	18.27	18.27	18.12	19	0			
20	64QAM	50	50	18.32	18.33	18.19					
20	64QAM	100	0	18.15	18.15	18.03					
Channel							132047	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1717.5	1745	1772.5		
15	QPSK	1	0	18.19	18.10	18.21					
15	QPSK	1	37	18.22	18.35	18.23	19	0			
15	QPSK	1	74	17.98	18.04	18.01					
15	QPSK	36	0	18.20	18.19	18.12					
15	QPSK	36	20	18.03	18.27	18.05	19	0			
15	QPSK	36	39	18.05	18.07	18.12					
15	QPSK	75	0	18.00	17.93	18.01					
15	16QAM	1	0	17.71	17.87	17.77	19	0			
15	16QAM	1	37	17.70	17.82	17.74					
15	16QAM	1	74	17.62	17.71	17.62					
15	16QAM	36	0	17.80	17.93	17.79					
15	16QAM	36	20	17.89	18.12	17.85	19	0			
15	16QAM	36	39	17.78	17.94	17.78					
15	16QAM	75	0	17.88	17.93	17.72					
15	64QAM	1	0	18.09	17.96	18.01					
15	64QAM	1	37	18.01	18.06	18.02	19	0			
15	64QAM	1	74	18.23	18.13	18.24					
15	64QAM	36	0	17.94	18.08	18.03					
15	64QAM	36	20	18.25	18.25	18.10	19	0			
15	64QAM	36	39	18.31	18.15	18.18					
15	64QAM	75	0	18.10	17.96	17.98					
Channel							132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1715	1745	1775		
10	QPSK	1	0	18.20	18.15	18.22					
10	QPSK	1	25	18.18	18.39	18.19	19	0			
10	QPSK	1	49	17.99	18.00	17.92					
10	QPSK	25	0	18.26	18.33	18.18					
10	QPSK	25	12	18.11	18.22	18.13	19	0			
10	QPSK	25	25	17.96	18.17	18.03					
10	QPSK	50	0	17.84	18.05	17.85					
10	16QAM	1	0	17.80	17.90	17.86					
10	16QAM	1	25	17.85	17.88	17.89	19	0			
10	16QAM	1	49	17.79	17.83	17.79					
10	16QAM	25	0	17.87	17.98	17.86					
10	16QAM	25	12	17.92	18.09	17.98	19	0			
10	16QAM	25	25	17.85	18.02	17.85					
10	16QAM	50	0	17.89	17.93	17.73					
10	64QAM	1	0	17.91	18.00	17.83					
10	64QAM	1	25	18.07	18.11	18.08	19	0			
10	64QAM	1	49	18.22	18.16	18.23					
10	64QAM	25	0	17.80	18.08	17.89					
10	64QAM	25	12	18.25	18.25	18.10	19	0			
10	64QAM	25	25	18.23	18.14	18.10					
10	64QAM	50	0	18.12	18.01	18.00					
Channel							131997	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1712.5	1745	1777.5		
5	QPSK	1	0	19.05	18.15	18.07					
5	QPSK	1	12	18.23	18.40	18.24	19	0			
5	QPSK	1	24	17.96	18.05	17.99					
5	QPSK	12	0	18.08	18.15	18.00					
5	QPSK	12	7	18.08	18.23	18.10	19	0			
5	QPSK	12	13	18.10	18.08	18.17					
5	QPSK	25	0	18.00	18.05	18.01					
5	16QAM	1	0	17.67	17.88	17.73					
5	16QAM	1	12	17.81	17.96	17.85	19	0			
5	16QAM	1	24	17.80	17.74	17.80					
5	16QAM	12	0	17.81	18.01	17.80					
5	16QAM	12	7	17.99	18.11	18.05	19	0			
5	16QAM	12	13	17.91	17.95	17.91					
5	16QAM	25	0	18.05	18.00	17.89					
5	64QAM	1	0	17.94	18.10	17.86					
5	64QAM	1	12	18.08	18.08	18.09	19	0			
5	64QAM	1	24	18.10	18.13	18.11					
5	64QAM	12	0	17.91	17.95	18.00					
5	64QAM	12	7	18.24	18.11	18.09	19	0			
5	64QAM	12	13	18.28	18.24	18.15					
5	64QAM	25	0	17.96	18.09	17.84					
Channel							131987	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1711.5	1745	1778.5		
3	QPSK	1	0	18.07	18.11	18.09					
3	QPSK	1	8	18.24	18.33	18.25	19	0			
3	QPSK	1	14	18.01	17.95	18.04					
3	QPSK	8	0	18.20	18.25	18.12	19	0			
3	QPSK	8	4	18.14	18.28	18.16					
3	QPSK	8	7	18.02	18.15	18.09					
3	QPSK	15	0	17.87	17.88	17.88					
3	16QAM	1	0	17.65	17.86	17.71	19	0			
3	16QAM	1	6	17.70	17.83	17.74					
3	16QAM	1	14	17.78	17.83	17.78					
3	16QAM	8	0	17.87	17.97	17.86					
3	16QAM	8	4	17.90	18.10	17.96	19	0			
3	16QAM	8	7	17.86	18.03	17.86					
3	16QAM	15	0	17.94	17.96	17.78					
3	64QAM	1	0	17.94	18.04	17.86	19	0			
3	64QAM	1	8	18.02	18.14	18.03					
3	64QAM	1	14	18.16	18.08	18.17					
3	64QAM	8	0	17.88	18.04	17.97					
3	64QAM	8	4	18.11	18.09	17.96	19	0			
3	64QAM	8	7	18.17	18.21	18.04					
3	64QAM	15	0	18.15	17.95	18.03					
Channel							131970	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1710.7	1745	1776.3		
1.4	QPSK	1	0	18.22	18.25	18.24					
1.4	QPSK	1	3	18.22	18.39	18.23	19	0			
1.4	QPSK	1	5	17.88	17.97	17.91					
1.4	QPSK	3	0	18.23	18.25	18.15					
1.4	QPSK	3	1	18.14	18.29	18.16					
1.4	QPSK	3	3	18.06	18.05	18.13	19	0			
1.4	QPSK	6	0	17.82	17.89	17.83					
1.4	16QAM	1	0	17.73	17.87	17.79					
1.4	16QAM	1	3	17.73	17.88	17.77					
1.4	16QAM	1	5	17.75	17.76	17.75	19	0			
1.4	16QAM	3	0	17.89	17.91	17.88					
1.4	16QAM	3	1	17.92	18.00	17.88					
1.4	16QAM	3	3	17.82	17.94	17.82					
1.4	16QAM	6	0	17.90	17.90	17.83	19	0			
1.4	64QAM	1	0	18.10	18.02	18.02					
1.4	64QAM	1	3	18.02	18.04	18.03					
1.4	64QAM	1	5	18.23	18.24	18.24					
1.4	64QAM	3	0	17.90	17.93	17.89	19	0			
1.4	64QAM	3	1	18.22	18.24	18.24					
1.4	64QAM	3	3	18.19	18.25	18.06					
1.4	64QAM	6	0	18.02	18.06	17.90	19	0			

Band 66_Ant31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel							Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)							1720	1745	1770		
20	QPSK	1	0	18.80	18.87	18.85					
20	QPSK	1	49	19.11	19.20	19.13	19.8	0			
20	QPSK	1	99	18.80	18.95	18.92					
20	QPSK	50	0	19.14	19.15	19.07					
20	QPSK	50	24	19.07	19.12	18.94	19.8	0			
20	QPSK	50	50	18.88	19.01	18.97					
20	QPSK	100	0	18.80	18.86	18.84					
20	16QAM	1	0	18.53	18.70	18.67					
20	16QAM	1	49	19.02	19.19	19.16	19.8	0			
20	16QAM	1	99	19.07	19.10	19.00					
20	16QAM	50	0	18.90	18.95	18.89					
20	16QAM	50	24	18.87	19.01	18.89	19.8	0			
20											



Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.82	19.87	19.90			
20	QPSK	1	49	19.85	19.88	19.95	20.8	0	
20	QPSK	1	99	19.70	19.71	19.53			
20	QPSK	50	0	19.83	19.85	19.75			
20	QPSK	50	24	19.78	19.80	19.79	20.8	0	
20	QPSK	50	50	19.47	19.63	19.44			
20	QPSK	100	0	19.88	19.71	19.65			
20	16QAM	1	0	19.40	19.41	19.36			
20	16QAM	1	49	19.14	19.32	19.18	20.8	0	
20	16QAM	1	99	19.35	19.41	19.36			
20	16QAM	50	0	19.66	19.79	19.75			
20	16QAM	50	24	19.86	19.86	19.77	20.8	0	
20	16QAM	50	50	19.69	19.79	19.74			
20	16QAM	100	0	19.67	19.81	19.64			
20	64QAM	1	0	19.00	19.00	18.88			
20	64QAM	1	49	19.25	19.36	19.32	20.8	0	
20	64QAM	1	99	19.04	19.21	19.02			
20	64QAM	50	0	19.51	19.60	19.43			
20	64QAM	50	24	19.59	19.65	19.62	20.8	0	
20	64QAM	50	50	19.43	19.59	19.44			
20	64QAM	100	0	19.54	19.55	19.45			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.69	19.71	19.67			
15	QPSK	1	37	19.87	19.83	19.93	20.8	0	
15	QPSK	1	74	19.60	19.53	19.43			
15	QPSK	36	0	19.71	19.77	19.63			
15	QPSK	36	20	19.67	19.65	19.68	20.8	0	
15	QPSK	36	39	19.31	19.48	19.29			
15	QPSK	75	0	19.92	19.55	19.49			
15	16QAM	1	0	19.21	19.34	19.17			
15	16QAM	1	37	19.02	19.15	19.06	20.8	0	
15	16QAM	1	74	19.27	19.27	19.28			
15	16QAM	36	0	19.53	19.76	19.62			
15	16QAM	36	20	19.71	19.69	19.62	20.8	0	
15	16QAM	36	39	19.63	19.74	19.68			
15	16QAM	75	0	19.57	19.74	19.54			
15	64QAM	1	0	18.98	18.84	18.86			
15	64QAM	1	37	19.08	19.24	19.15	20.8	0	
15	64QAM	1	74	19.98	19.13	18.86			
15	64QAM	36	0	19.48	19.49	19.40			
15	64QAM	36	20	19.53	19.64	19.56	20.8	0	
15	64QAM	36	39	19.38	19.48	19.39			
15	64QAM	75	0	19.46	19.41	19.37			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.64	19.78	19.62			
10	QPSK	1	25	19.73	19.64	19.79	20.8	0	
10	QPSK	1	49	19.59	19.53	19.42			
10	QPSK	25	0	19.80	19.78	19.72			
10	QPSK	25	12	19.71	19.69	19.72	20.8	0	
10	QPSK	25	25	19.32	19.45	19.29			
10	QPSK	50	0	19.52	19.69	19.49			
10	16QAM	1	0	19.28	19.25	19.24			
10	16QAM	1	25	19.07	19.17	19.11	20.8	0	
10	16QAM	1	49	19.23	19.25	19.24			
10	16QAM	25	0	19.82	19.71	19.71			
10	16QAM	25	12	19.74	19.88	19.85	20.8	0	
10	16QAM	25	25	19.69	19.62	19.74			
10	16QAM	50	0	19.49	19.74	19.46			
10	64QAM	1	0	18.85	19.00	18.89			
10	64QAM	1	25	19.12	19.32	19.19	20.8	0	
10	64QAM	1	49	19.03	19.04	19.01			
10	64QAM	25	0	19.32	19.44	19.24			
10	64QAM	25	12	19.50	19.48	19.53	20.8	0	
10	64QAM	25	25	19.33	19.48	19.34			
10	64QAM	50	0	19.43	19.42	19.34			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.65	19.73	19.63			
5	QPSK	1	12	19.81	19.83	19.87	20.8	0	
5	QPSK	1	24	19.54	19.63	19.37			
5	QPSK	12	0	19.80	19.66	19.72			
5	QPSK	12	7	19.63	19.61	19.64	20.8	0	
5	QPSK	12	13	19.30	19.59	19.27			
5	QPSK	25	0	19.49	19.70	19.46			
5	16QAM	1	0	19.38	19.24	19.34			
5	16QAM	1	12	19.11	19.18	19.15	20.8	0	
5	16QAM	1	24	19.22	19.23	19.23			
5	16QAM	12	0	19.58	19.60	19.67			
5	16QAM	12	7	19.73	19.81	19.64	20.8	0	
5	16QAM	12	13	19.58	19.71	19.63			
5	16QAM	25	0	19.54	19.76	19.51			
5	64QAM	1	0	18.90	18.95	18.90			
5	64QAM	1	12	19.22	19.21	19.29	20.8	0	
5	64QAM	1	24	18.96	19.16	18.94			
5	64QAM	12	0	19.34	19.41	19.26			
5	64QAM	12	7	19.51	19.55	19.54	20.8	0	
5	64QAM	12	13	19.27	19.53	19.28			
5	64QAM	25	0	19.54	19.41	19.45			

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.75	17.80	17.79			
20	QPSK	1	49	18.24	18.25	18.20	18.6	0	
20	QPSK	1	99	17.90	17.99	17.87			
20	QPSK	50	0	17.72	17.78	17.70			
20	QPSK	50	24	17.70	17.74	17.68	18.6	0	
20	QPSK	50	50	17.48	17.61	17.48			
20	QPSK	100	0	17.62	17.65	17.58			
20	16QAM	1	0	17.34	17.34	17.23			
20	16QAM	1	49	17.18	17.20	17.08	18.6	0	
20	16QAM	1	99	17.06	17.17	17.17			
20	16QAM	50	0	17.76	17.77	17.65			
20	16QAM	50	24	17.63	17.70	17.54	18.6	0	
20	16QAM	50	50	17.61	17.75	17.58			
20	16QAM	100	0	17.78	17.80	17.62			
20	64QAM	1	0	17.30	17.45	17.31			
20	64QAM	1	49	17.73	17.73	17.56	18.6	0	
20	64QAM	1	99	17.45	17.55	17.50			
20	64QAM	50	0	17.52	17.55	17.47			
20	64QAM	50	24	17.48	17.64	17.49	18.6	0	
20	64QAM	50	50	17.59	17.60	17.41			
20	64QAM	100	0	17.57	17.75	17.62			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.51	17.66	17.65			
15	QPSK	1	37	18.08	18.12	18.04	18.6	0	
15	QPSK	1	74	17.86	17.95	17.83			
15	QPSK	36	0	17.56	17.73	17.54			
15	QPSK	36	20	17.54	17.65	17.52	18.6	0	
15	QPSK	36	39	17.42	17.47	17.42			
15	QPSK	75	0	17.51	17.47	17.47			
15	16QAM	1	0	17.20	17.31	17.09			
15	16QAM	1	37	17.03	17.15	16.93	18.6	0	
15	16QAM	1	74	16.99	17.07	17.00			
15	16QAM	36	0	17.72	17.74	17.61			
15	16QAM	36	20	17.58	17.53	17.49	18.6	0	
15	16QAM	36	39	17.56	17.66	17.53			
15	16QAM	75	0	17.76	17.76	17.60			
15	64QAM	1	0	17.28	17.28	17.29			
15	64QAM	1	37	17.70	17.65	17.53	18.6	0	
15	64QAM	1	74	17.45	17.49	17.50			
15	64QAM	36	0	17.38	17.44	17.33			
15	64QAM	36	20	17.45	17.57	17.46	18.6	0	
15	64QAM	36	39	17.47	17.60	17.29			



Band 41_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	19.88	19.95	19.81	19.83		
20	QPSK	1	49	19.97	20.10	19.92	19.90	20.8	0
20	QPSK	1	99	20.03	20.05	19.97	20.05		
20	QPSK	50	0	19.85	20.00	19.95	19.87		
20	QPSK	50	24	19.83	19.90	19.78	19.77	20.8	0
20	QPSK	50	50	19.94	19.95	19.90	19.87		
20	QPSK	100	0	19.86	19.99	19.79	19.74		
20	16QAM	1	0	19.64	19.66	19.50	19.49		
20	16QAM	1	49	19.96	20.07	19.95	20.07	20.8	0
20	16QAM	1	99	19.60	19.64	19.50	19.62		
20	16QAM	50	0	19.89	20.01	19.86	19.89		
20	16QAM	50	24	20.00	20.03	20.02	20.03	20.8	0
20	16QAM	50	50	19.77	19.84	19.68	19.65		
20	16QAM	100	0	19.82	20.01	19.93	19.86		
20	64QAM	1	0	19.75	19.77	19.67	19.66		
20	64QAM	1	49	19.95	20.01	19.98	19.97	20.8	0
20	64QAM	1	99	19.74	19.80	19.75	19.68		
20	64QAM	50	0	20.03	20.08	19.98	19.90		
20	64QAM	50	24	19.81	20.09	19.95	20.01	20.8	0
20	64QAM	50	50	19.77	19.92	19.80	19.80		
20	64QAM	100	0	19.97	20.02	19.84	19.92		
Channel				40115	40395	40685	41165		
Frequency (MHz)				25425	25655	25955	26425		
15	QPSK	1	0	19.71	19.81	19.64	19.75		
15	QPSK	1	37	19.81	20.04	19.76	19.84	20.8	0
15	QPSK	1	74	19.96	19.88	19.90	19.88		
15	QPSK	36	0	19.72	19.88	19.82	19.75		
15	QPSK	36	20	19.73	19.73	19.68	19.60	20.8	0
15	QPSK	36	39	19.80	19.90	19.76	19.82		
15	QPSK	75	0	19.85	19.77	19.78	19.63		
15	16QAM	1	0	19.50	19.60	19.36	19.43		
15	16QAM	1	37	19.82	19.97	19.81	19.97	20.8	0
15	16QAM	1	74	19.60	19.52	19.50	19.50		
15	16QAM	36	0	19.77	19.94	19.74	19.82		
15	16QAM	36	20	19.86	19.91	19.98	19.91	20.8	0
15	16QAM	36	39	19.76	19.70	19.67	19.51		
15	16QAM	75	0	19.74	19.97	19.85	19.82		
15	64QAM	1	0	19.75	19.60	19.67	19.49		
15	64QAM	1	37	19.81	19.96	19.84	19.94	20.8	0
15	64QAM	1	74	19.65	19.65	19.67	19.53		
15	64QAM	36	0	19.93	19.92	19.88	19.74		
15	64QAM	36	20	19.77	19.94	19.81	19.86	20.8	0
15	64QAM	36	39	19.69	19.82	19.72	19.70		
15	64QAM	75	0	19.88	19.95	19.75	19.85		
Channel				40090	40350	40630	41150		
Frequency (MHz)				2550	2570	2590	2650		
10	QPSK	1	0	19.71	19.82	19.64	19.83		
10	QPSK	1	25	19.84	19.92	19.79	19.72	20.8	0
10	QPSK	1	49	19.92	20.01	19.86	20.01		
10	QPSK	25	0	19.75	19.91	19.85	19.78		
10	QPSK	25	12	19.74	19.81	19.69	19.68	20.8	0
10	QPSK	25	25	19.75	19.89	19.71	19.81		
10	QPSK	50	0	19.68	19.87	19.81	19.73		
10	16QAM	1	0	19.48	19.52	19.34	19.35		
10	16QAM	1	25	19.82	20.06	19.81	20.06	20.8	0
10	16QAM	1	49	19.56	19.62	19.46	19.60		
10	16QAM	25	0	19.73	20.01	19.70	19.89		
10	16QAM	25	12	19.84	19.90	19.86	19.90	20.8	0
10	16QAM	25	25	19.77	19.80	19.68	19.61		
10	16QAM	50	0	19.65	19.82	19.76	19.67		
10	64QAM	1	0	19.67	19.63	19.59	19.52		
10	64QAM	1	25	19.78	19.98	19.81	19.94	20.8	0
10	64QAM	1	49	19.71	19.68	19.73	19.56		
10	64QAM	25	0	20.02	20.01	19.97	19.83		
10	64QAM	25	12	19.74	20.00	19.78	19.92	20.8	0
10	64QAM	25	25	19.62	19.87	19.65	19.75		
10	64QAM	50	0	19.94	19.91	19.81	19.81		
Channel				40065	40335	40705	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	19.79	19.87	19.72	19.77		
5	QPSK	1	12	19.96	19.99	19.91	19.79	20.8	0
5	QPSK	1	24	19.99	19.93	19.93	19.93		
5	QPSK	12	0	19.66	19.96	19.76	19.83		
5	QPSK	12	7	19.78	19.87	19.71	19.74		
5	QPSK	12	13	19.83	19.95	19.79	19.87	20.8	0
5	QPSK	25	0	19.76	19.75	19.69	19.61		
5	16QAM	1	0	19.57	19.54	19.43	19.37		
5	16QAM	1	12	19.83	19.97	19.82	19.97	20.8	0
5	16QAM	1	24	19.45	19.50	19.35	19.48		
5	16QAM	12	0	19.87	19.99	19.84	19.87		
5	16QAM	12	7	19.95	19.86	19.87	19.86	20.8	0
5	16QAM	12	13	19.58	19.68	19.49	19.49		
5	16QAM	25	0	19.73	19.90	19.84	19.75		
5	64QAM	1	0	19.67	19.63	19.59	19.52		
5	64QAM	1	12	19.95	19.97	19.98	19.93	20.8	0
5	64QAM	1	24	19.64	19.70	19.66	19.58		
5	64QAM	12	0	19.97	20.01	19.92	19.83		
5	64QAM	12	7	19.77	19.99	19.81	19.91	20.8	0
5	64QAM	12	13	19.69	19.83	19.72	19.71		
5	64QAM	25	0	19.81	19.94	19.78	19.84		

Band 41_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.25	21.31	21.24	21.28		
20	QPSK	1	49	21.38	21.55	21.42	21.40	22.6	0
20	QPSK	1	99	20.98	21.15	21.02	21.05		
20	QPSK	50	0	21.41	21.50	21.47	21.36		
20	QPSK	50	24	21.35	21.45	21.39	21.47	22.6	0
20	QPSK	50	50	21.20	21.36	21.36	21.25		
20	QPSK	100	0	21.38	21.49	21.39	21.45		
20	16QAM	1	0	21.03	21.15	21.01	21.05		
20	16QAM	1	49	21.41	21.53	21.41	21.39	22.6	0
20	16QAM	1	99	21.17	21.31	21.20	21.25		
20	16QAM	50	0	21.17	21.17	21.03	21.15		
20	16QAM	50	24	20.95	21.13	21.04	20.97	22.1	0.5
20	16QAM	50	50	20.68	20.74	20.65	20.70		
20	16QAM	100	0	20.79	20.89	20.73	20.81		
20	64QAM	1	0	20.62	20.75	20.57	20.65		
20	64QAM	1	49	20.85	20.99	20.94	20.97	22.1	0.5
20	64QAM	1	99	20.58	20.65	20.63	20.48		
20	64QAM	50	0	20.00	20.09	19.95	19.98		
20	64QAM	50	24	19.82	19.96	19.78	19.85	21.1	1.5
20	64QAM	50	50	19.72	19.78	19.62	19.65		
20	64QAM	100	0	20.02	20.03	19.85	19.91		
Channel				40115	40395	40685	41165		
Frequency (MHz)				25425	25655	25955	26425		
15	QPSK	1	0	21.06	21.17	21.05	21.26		
15	QPSK	1	37	21.22	21.37	21.22	21.22	22.6	0
15	QPSK	1	74	20.83	21.07	20.89	20.97		
15	QPSK	36	0	21.26	21.38	21.32	21.17		
15	QPSK	36	20	21.22	21.52	21.29	21.31	22.6	0
15	QPSK	36	39	21.11	21.24	21.27	21.13		
15	QPSK	75	0	21.23	21.49	21.24	21.39		
15	16QAM	1	0	21.02	21.14	21.00	21.04		
15	16QAM	1	37	21.35	21.42	21.35	21.28	22.6	0
15	16QAM	1	74	20.98	21.17	21.01	21.11		
15	16QAM	36	0	21.04	21.14	20.90	21.12		
15</									



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GSM850_Ant13 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.00	23.03	836.4	848.8	24.00
GSM 1 Tx slot	32.03	31.95	31.99	33.00	23.03	22.95	22.99	24.00
GPRS 1 Tx slot	32.01	32.04	31.92	33.00	23.01	23.04	22.92	24.00
GPRS 2 Tx slots	29.08	29.19	29.16	30.30	23.08	23.19	23.16	24.30
GPRS 3 Tx slots	27.56	27.28	27.45	28.30	23.30	23.02	23.19	24.24
GPRS 4 Tx slots	26.74	26.78	26.64	28.00	23.74	23.78	23.64	25.00
EDGE 1 Tx slot	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 2 Tx slots	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 3 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 4 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM1900_Ant13 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8	1650.2	1680	1909.8	1650.2	1680
GSM 1 Tx slot	25.03	24.93	24.89	25.70	16.03	15.93	15.89	16.70
GPRS 1 Tx slot	24.90	24.84	24.96	25.70	15.90	15.84	15.96	16.70
GPRS 2 Tx slots	22.38	22.40	22.39	23.00	16.38	16.40	16.39	17.00
GPRS 3 Tx slots	20.56	20.66	20.53	21.00	16.30	16.40	16.27	17.00
GPRS 4 Tx slots	20.23	20.44	20.40	21.00	17.23	17.44	17.40	18.00
EDGE 1 Tx slot	24.70	24.80	24.94	25.70	15.70	15.80	15.94	16.70
EDGE 2 Tx slots	21.86	21.94	22.00	23.00	15.86	15.94	16.00	17.00
EDGE 3 Tx slots	19.70	19.81	19.81	21.00	15.44	15.55	15.55	16.74
EDGE 4 Tx slots	19.45	19.47	19.59	20.50	16.45	16.47	16.59	17.50

Band TX Channel	WCDMA II_Ant31			Tune-up Limit (dBm)	WCDMA IV_Ant31			Tune-up Limit (dBm)	WCDMA V_Ant31			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	1537	1638	1738
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1712.4	1732.6	1752.6
3GPP Rel 99 AMR 12.2Kbps	17.89	17.93	18.04	19.30	18.53	18.48	18.50	19.80	23.04	22.88	23.03	24.30
3GPP Rel 99 RMC 12.2Kbps	18.07	18.13	18.08	19.30	18.54	18.62	18.48	19.80	23.09	23.10	23.05	24.30
3GPP Rel 6 HSDPA Subtest-1	16.81	16.86	17.04	18.10	17.56	17.49	17.66	18.60	21.99	22.05	22.07	23.10
3GPP Rel 6 HSDPA Subtest-2	17.08	16.97	17.10	18.10	17.67	17.63	17.63	18.60	21.88	21.97	21.92	23.10
3GPP Rel 6 HSDPA Subtest-3	16.48	16.42	16.71	17.60	17.04	17.22	17.15	18.10	21.39	21.50	21.45	22.60
3GPP Rel 6 HSDPA Subtest-4	16.45	16.49	16.68	17.60	17.00	17.26	17.07	18.10	21.37	21.48	21.44	22.60
3GPP Rel 6 DC-HSDPA Subtest-1	16.88	16.74	16.84	18.10	17.57	17.52	17.59	18.60	21.97	21.83	21.94	23.10
3GPP Rel 6 DC-HSDPA Subtest-2	16.99	16.85	17.01	18.10	17.54	17.52	17.51	18.60	21.83	21.94	21.85	23.10
3GPP Rel 6 DC-HSDPA Subtest-3	16.45	16.34	16.57	17.60	17.05	17.21	17.12	18.10	21.25	21.35	21.37	22.60
3GPP Rel 6 DC-HSDPA Subtest-4	16.51	16.38	16.44	17.60	17.03	17.02	16.98	18.10	21.36	21.38	21.32	22.60
3GPP Rel 6 HSPA Subtest-1	17.01	16.97	17.05	18.10	17.41	17.55	17.47	18.60	21.80	21.92	21.91	23.30
3GPP Rel 6 HSPA Subtest-2	14.96	14.94	15.08	16.10	15.59	15.64	15.64	16.60	19.97	20.04	19.91	21.30
3GPP Rel 6 HSPA Subtest-3	15.89	15.95	16.08	17.10	16.48	16.63	16.55	17.60	20.90	20.94	20.94	22.30
3GPP Rel 6 HSPA Subtest-4	14.95	14.89	15.05	16.10	15.59	15.70	15.53	16.60	19.98	19.96	20.09	21.30
3GPP Rel 6 HSPA Subtest-5	17.02	16.94	17.09	18.10	17.54	17.74	17.52	18.60	21.80	21.80	22.00	23.00

Band TX Channel	WCDMA II_Ant31			Tune-up Limit (dBm)	WCDMA IV_Ant31			Tune-up Limit (dBm)	WCDMA V_Ant31			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	1537	1638	1738
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1712.4	1732.6	1752.6
3GPP Rel 99 AMR 12.2Kbps	15.56	15.57	15.63	17.00	16.65	16.58	16.57	18.00	18.98	18.91	18.89	20.50
3GPP Rel 99 RMC 12.2Kbps	15.59	15.64	15.51	17.00	16.56	16.69	16.62	18.00	19.95	19.91	19.97	20.50
3GPP Rel 6 HSDPA Subtest-1	14.43	14.43	14.48	15.80	15.50	15.42	15.54	16.80	18.04	18.08	17.98	19.30
3GPP Rel 6 HSDPA Subtest-2	14.53	14.53	14.53	15.80	15.48	15.58	15.52	16.80	17.92	17.88	17.91	19.30
3GPP Rel 6 HSDPA Subtest-3	14.08	14.11	14.11	15.30	14.92	15.03	15.00	16.30	17.43	17.50	17.39	18.80
3GPP Rel 6 HSDPA Subtest-4	14.08	14.04	14.23	15.30	14.97	15.00	14.92	16.30	17.44	17.46	17.42	18.80
3GPP Rel 6 DC-HSDPA Subtest-1	14.44	14.22	14.41	15.80	15.35	15.34	15.31	16.80	17.97	18.05	18.07	19.30
3GPP Rel 6 DC-HSDPA Subtest-2	14.53	14.49	14.54	15.80	15.50	15.50	15.35	16.80	17.86	17.86	17.88	19.30
3GPP Rel 6 DC-HSDPA Subtest-3	14.02	14.01	14.10	15.30	14.74	14.86	14.96	16.30	17.39	17.38	17.50	18.80
3GPP Rel 6 DC-HSDPA Subtest-4	14.02	14.00	14.04	15.30	14.82	14.93	14.87	16.30	17.41	17.50	17.40	18.80
3GPP Rel 6 HSPA Subtest-1	14.51	14.54	14.65	15.80	15.39	15.48	15.36	16.80	17.95	18.00	17.97	19.50
3GPP Rel 6 HSPA Subtest-2	12.50	12.55	12.57	13.80	13.63	13.55	13.48	14.80	15.99	15.91	15.90	17.50
3GPP Rel 6 HSPA Subtest-3	13.49	13.58	13.52	14.80	14.60	14.59	14.57	15.90	16.80	16.83	16.90	18.50
3GPP Rel 6 HSPA Subtest-4	12.54	12.59	12.62	13.80	13.69	13.64	13.48	14.80	16.02	16.06	15.95	17.50
3GPP Rel 6 HSPA Subtest-5	14.61	14.52	14.50	15.80	15.50	15.53	15.42	16.80	17.91	17.82	17.94	19.20

GSM850_Ant31 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	32.70	22.75	836.4	848.8	23.70
GSM 1 Tx slot	31.75	31.65	31.80	32.70	22.75	22.65	22.80	23.70
GPRS 1 Tx slot	31.77	31.61	31.68	32.70	22.77	22.61	22.68	23.70
GPRS 2 Tx slots	29.66	29.71	29.70	30.50	23.66	23.71	23.70	24.50
GPRS 3 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 4 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
EDGE 1 Tx slot	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 2 Tx slots	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 3 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 4 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant31 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8	1650.2	1680	1909.8	1650.2	1680
GSM 1 Tx slot	28.41	28.44	28.53	29.50	19.41	19.44	19.53	20.50
GPRS 1 Tx slot	28.37	28.43	28.43	29.50	19.37	19.43	19.43	20.50
GPRS 2 Tx slots	24.66	24.76	24.82	26.00	18.66	18.76	18.82	20.00
GPRS 3 Tx slots	23.00	23.18	23.37	24.10	18.74	18.92	19.11	19.84
GPRS 4 Tx slots	21.80	21.92	21.97	22.80	18.80	18.92	18.97	19.80
EDGE 1 Tx slot	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 2 Tx slots	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 3 Tx slots	21.18	21.24	21.60	22.30	16.82	16.98	17.34	18.04
EDGE 4 Tx slots	19.85	20.10	20.23	21.00	16.95	17.10	17.23	18.00



Band 2_Ant13

BW (MHz)	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	16.11	16.16	16.12	17	0
20	QPSK	1	49	16.14	16.32	16.25		
20	QPSK	1	99	16.28	16.30	16.21	17	0
20	QPSK	50	0	16.03	16.03	16.03		
20	QPSK	50	24	16.03	16.03	16.07	17	0
20	QPSK	50	50	15.99	16.10	16.11		
20	QPSK	100	0	16.08	16.14	16.12	17	0
20	16QAM	1	0	15.96	16.18	16.18		
20	16QAM	1	49	16.01	16.09	16.09	17	0
20	16QAM	1	99	16.07	16.17	16.13		
20	16QAM	50	0	16.00	16.01	16.12	17	0
20	16QAM	50	24	15.89	16.16	16.19		
20	16QAM	50	50	16.00	16.10	16.10	17	0
20	16QAM	100	0	16.05	16.12	16.10		
20	64QAM	1	0	16.12	16.13	16.15	17	0
20	64QAM	1	49	16.03	16.23	16.14		
20	64QAM	1	99	16.06	16.05	16.11	17	0
20	64QAM	50	0	16.04	16.20	16.14		
20	64QAM	50	24	16.05	16.15	16.19	17	0
20	64QAM	50	50	15.92	16.05	16.08		
20	64QAM	100	0	15.98	16.15	16.16	17	0
Channel								
Frequency (MHz)								
15	QPSK	1	0	15.97	16.15	16.11	17	0
15	QPSK	1	37	16.01	16.08	16.08		
15	QPSK	1	74	16.09	16.09	16.13	17	0
15	QPSK	36	0	15.89	16.08	15.85		
15	QPSK	36	20	15.96	15.93	15.93	17	0
15	QPSK	36	39	15.86	16.01	15.83		
15	QPSK	75	0	15.97	16.03	15.85	17	0
15	16QAM	1	0	15.85	15.96	15.99		
15	16QAM	1	37	15.76	15.91	16.00	17	0
15	16QAM	1	74	15.99	15.91	15.89		
15	16QAM	36	0	15.85	15.89	16.09	17	0
15	16QAM	36	20	15.77	16.08	15.97		
15	16QAM	36	39	15.96	15.96	16.00	17	0
15	16QAM	75	0	15.85	16.07	15.94		
15	64QAM	1	0	15.88	16.05	15.91	17	0
15	64QAM	1	37	15.77	16.01	15.96		
15	64QAM	1	74	15.90	15.90	15.95	17	0
15	64QAM	36	0	15.93	15.99	16.04		
15	64QAM	36	20	15.98	15.96	16.01	17	0
15	64QAM	36	39	15.75	15.95	15.96		
15	64QAM	75	0	15.81	15.89	15.96	17	0
Channel								
Frequency (MHz)								
10	QPSK	1	0	15.99	16.09	16.07	17	0
10	QPSK	1	25	15.98	16.16	16.04		
10	QPSK	1	49	16.05	16.07	16.07	17	0
10	QPSK	25	0	15.80	15.96	15.99		
10	QPSK	25	12	15.91	15.92	15.97	17	0
10	QPSK	25	25	15.92	15.90	15.86		
10	QPSK	50	0	15.86	15.95	16.00	17	0
10	16QAM	1	0	15.83	16.04	15.93		
10	16QAM	1	25	15.86	16.01	16.07	17	0
10	16QAM	1	49	15.94	16.04	15.97		
10	16QAM	25	0	15.87	15.93	16.04	17	0
10	16QAM	25	12	15.75	16.07	16.02		
10	16QAM	25	25	15.88	16.00	15.88	17	0
10	16QAM	50	0	15.91	15.96	15.98		
10	64QAM	1	0	15.91	16.04	15.99	17	0
10	64QAM	1	25	15.78	15.94	16.01		
10	64QAM	1	49	15.86	15.96	15.99	17	0
10	64QAM	25	0	15.79	16.10	16.03		
10	64QAM	25	12	15.87	16.10	16.07	17	0
10	64QAM	25	25	15.77	15.94	16.01		
10	64QAM	50	0	15.92	15.96	15.92	17	0
Channel								
Frequency (MHz)								
5	QPSK	1	0	15.96	16.04	16.03	17	0
5	QPSK	1	12	16.02	16.12	16.06		
5	QPSK	1	24	16.12	16.08	16.06	17	0
5	QPSK	12	0	15.84	16.08	15.91		
5	QPSK	12	7	15.94	15.90	15.90	17	0
5	QPSK	12	13	15.86	15.99	15.88		
5	QPSK	25	0	15.88	15.90	16.03	17	0
5	16QAM	1	0	15.91	15.96	15.99		
5	16QAM	1	12	15.81	15.92	16.06	17	0
5	16QAM	1	24	15.96	15.97	15.84		
5	16QAM	12	0	15.79	15.96	15.99	17	0
5	16QAM	12	7	15.76	16.10	16.05		
5	16QAM	12	13	15.90	15.93	15.98	17	0
5	16QAM	25	0	15.89	16.02	16.03		
5	64QAM	1	0	16.00	15.96	15.86	17	0
5	64QAM	1	12	15.86	16.04	15.93		
5	64QAM	1	24	15.98	16.01	15.95	17	0
5	64QAM	12	0	15.82	16.09	15.88		
5	64QAM	12	7	15.99	15.99	16.03	17	0
5	64QAM	12	13	15.78	15.92	15.87		
5	64QAM	25	0	15.84	15.86	16.03	17	0
Channel								
Frequency (MHz)								
3	QPSK	1	0	16.05	16.14	16.03	17	0
3	QPSK	1	8	16.05	16.19	16.13		
3	QPSK	1	14	16.08	16.05	16.03	17	0
3	QPSK	8	0	15.75	15.96	15.96		
3	QPSK	8	4	15.94	15.91	15.86	17	0
3	QPSK	8	7	15.90	15.96	15.87		
3	QPSK	15	0	15.92	15.87	15.91	17	0
3	16QAM	1	0	15.79	16.03	15.95		
3	16QAM	1	8	15.86	15.89	16.04	17	0
3	16QAM	1	14	15.92	15.93	15.93		
3	16QAM	8	0	15.80	15.93	15.99	17	0
3	16QAM	8	4	15.85	16.06	16.01		
3	16QAM	8	7	15.94	15.93	15.99	17	0
3	16QAM	15	0	15.84	16.06	15.97		
3	64QAM	1	0	15.98	16.03	15.86	17	0
3	64QAM	1	8	15.89	15.99	15.96		
3	64QAM	1	14	15.98	15.98	15.93	17	0
3	64QAM	8	0	15.93	15.99	15.99		
3	64QAM	8	4	15.82	16.10	16.09	17	0
3	64QAM	8	7	15.84	15.96	15.96		
3	64QAM	15	0	15.82	15.88	15.92	17	0
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	16.00	16.03	16.05	17	0
1.4	QPSK	1	3	16.01	16.06	16.10		
1.4	QPSK	1	5	16.10	16.12	16.08	17	0
1.4	QPSK	3	0	15.75	16.07	15.89		
1.4	QPSK	3	1	15.92	15.93	15.87	17	0
1.4	QPSK	3	3	15.97	15.99	15.97		
1.4	QPSK	6	0	15.85	15.93	15.97	17	0
1.4	16QAM	1	0	15.89	16.04	15.92		
1.4	16QAM	1	3	15.78	15.97	15.99	17	0
1.4	16QAM	1	5	15.86	15.97	15.84		
1.4	16QAM	3	0	15.84	15.86	16.08	17	0
1.4	16QAM	3	1	15.84	16.02	16.03		
1.4	16QAM	3	3	15.86	15.93	15.96	17	0
1.4	16QAM	6	0	15.84	15.88	15.97		
1.4	64QAM	1	0	15.92	16.05	15.88	17	0
1.4	64QAM	1	3	15.78	16.06	15.88		
1.4	64QAM	1	5	15.96	15.90	15.95	17	0
1.4	64QAM	3	0	15.90	16.04	16.01		
1.4	64QAM	3	1	15.88	15.99	16.03	17	0
1.4	64QAM	3	3	15.78	15.96	16.01		
1.4	64QAM	6	0	15.80	15.86	15.91	17	0
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	16.05	16.06	16.11	20.3	0
1.4	QPSK	1	3	16.05	16.08	16.07		
1.4	QPSK	1	5	16.05	16.07	16.04	20.3	0
1.4	QPSK	3	0	16.25	16.42	16.19		
1.4	QPSK	3	1	16.28	16.38	16.20	20.3	0
1.4	QPSK	3	3	16.26	16.39	16.25		
1.4	QPSK	6	0	16.17	16.42	16.25	20.3	0
1.4	16QAM	1	0	16.31	16.41	16.34		
1.4	16QAM	1	3	16.27	16.39	16.30	20.3	0
1.4	16QAM	1	5	16.39	16.36	16.29		
1.4	16QAM	3	0	16.30	16.36	16.20	20.3	0
1.4	16QAM	3	1	16.33	16.44	16.22		
1.4	16QAM	3	3	16.24	16.43	16.27	20.3	0
1.4	16QAM	6	0	16.25	16.43	16.21		
1.4	64QAM	1	0	16.28	16.40	16.19	20.3	0
1.4	64QAM	1	3	16.28	16.45	16.32		
1.4	64QAM	1	5	16.40	16.33	16.29		



Band 4_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20025	Power Middle Ch./Freq. 20175	Power High Ch./Freq. 20350	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.40	18.45	18.30	19.4	0
20	QPSK	1	49	18.41	18.68	18.44		
20	QPSK	1	99	18.07	18.12	18.10	19.4	0
20	QPSK	50	0	18.37	18.22	18.21		
20	QPSK	50	24	18.21	18.22	18.21	19.4	0
20	QPSK	50	50	18.13	18.21	18.17		
20	QPSK	100	0	18.14	18.26	18.10	19.4	0
20	16QAM	1	0	18.01	18.13	18.10		
20	16QAM	1	49	18.03	18.14	18.04	19.4	0
20	16QAM	1	99	17.84	17.97	17.96		
20	16QAM	50	0	18.37	18.42	18.24	19.4	0
20	16QAM	50	24	18.32	18.37	18.32		
20	16QAM	50	50	17.98	18.13	17.96	19.4	0
20	16QAM	100	0	18.11	18.17	18.17		
20	64QAM	1	0	18.37	18.40	18.29	19.4	0
20	64QAM	1	49	18.26	18.45	18.40		
20	64QAM	1	99	18.04	18.22	18.14	19.4	0
20	64QAM	50	0	18.25	18.37	18.23		
20	64QAM	50	24	18.09	18.22	18.13	19.4	0
20	64QAM	50	50	18.18	18.19	18.11		
20	64QAM	100	0	18.31	18.33	18.26	19.4	0
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.31	18.27	18.30	19.4	0
15	QPSK	1	37	18.35	18.65	18.38		
15	QPSK	1	74	18.06	17.98	18.09	19.4	0
15	QPSK	36	0	18.26	18.36	18.30		
15	QPSK	36	20	18.12	18.03	18.12	19.4	0
15	QPSK	36	39	18.07	18.17	18.11		
15	16QAM	1	0	17.98	18.23	18.20	19.4	0
15	16QAM	1	0	17.98	17.97	18.07		
15	16QAM	1	37	17.89	18.03	17.90	19.4	0
15	16QAM	1	74	17.75	17.94	17.87		
15	16QAM	36	0	18.36	18.24	18.23	19.4	0
15	16QAM	36	20	18.29	18.27	18.29		
15	16QAM	36	39	17.99	18.08	18.00	19.4	0
15	16QAM	75	0	18.08	18.04	18.14		
15	64QAM	1	0	18.37	18.25	18.29	19.4	0
15	64QAM	1	37	18.20	18.29	18.32		
15	64QAM	1	74	17.90	18.18	18.00	19.4	0
15	64QAM	36	0	18.07	18.29	18.05		
15	64QAM	36	39	17.98	18.19	18.05	19.4	0
15	64QAM	36	39	18.08	18.15	18.01		
15	64QAM	75	0	18.31	18.19	18.26	19.4	0
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.38	18.45	18.37	19.4	0
10	QPSK	1	25	18.23	18.64	18.26		
10	QPSK	1	49	18.00	17.96	18.03	19.4	0
10	QPSK	25	0	18.22	18.34	18.26		
10	QPSK	25	12	18.05	18.08	18.05	19.4	0
10	QPSK	25	25	18.13	18.07	18.17		
10	QPSK	50	0	17.95	18.15	17.91	19.4	0
10	16QAM	1	0	17.82	18.04	18.01		
10	16QAM	1	25	17.98	18.11	17.87	19.4	0
10	16QAM	1	49	17.70	17.89	17.85		
10	16QAM	25	0	18.29	18.23	18.16	19.4	0
10	16QAM	25	12	18.17	18.26	18.17		
10	16QAM	25	25	17.83	18.00	17.81	19.4	0
10	16QAM	50	0	18.10	18.15	18.16		
10	64QAM	1	0	18.19	18.29	18.11	19.4	0
10	64QAM	1	25	18.10	18.40	18.25		
10	64QAM	1	49	17.90	18.07	18.00	19.4	0
10	64QAM	25	0	18.24	18.36	18.22		
10	64QAM	25	12	18.02	18.19	18.06	19.4	0
10	64QAM	25	25	17.99	18.15	17.92		
10	64QAM	50	0	18.30	18.24	18.25	19.4	0
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.30	18.37	18.20	19.4	0
5	QPSK	1	12	18.39	18.56	18.42		
5	QPSK	1	24	17.91	17.99	17.94	19.4	0
5	QPSK	12	0	18.21	18.30	18.25		
5	QPSK	12	7	18.06	18.10	18.06	19.4	0
5	QPSK	12	13	18.04	18.04	18.08		
5	16QAM	1	0	18.07	18.16	18.05	19.4	0
5	16QAM	1	0	17.89	18.02	17.98		
5	16QAM	1	12	17.93	17.97	17.94	19.4	0
5	16QAM	1	24	17.89	17.83	17.81		
5	16QAM	12	0	18.26	18.32	18.13	19.4	0
5	16QAM	12	7	18.19	18.30	18.19		
5	16QAM	12	13	17.87	18.04	17.85	19.4	0
5	16QAM	25	0	17.96	18.01	18.02		
5	64QAM	1	0	18.28	18.35	18.20	19.4	0
5	64QAM	1	12	18.09	18.44	18.21		
5	64QAM	1	24	17.88	18.16	17.96	19.4	0
5	64QAM	12	0	18.23	18.18	18.21		
5	64QAM	12	7	18.09	18.14	18.09	19.4	0
5	64QAM	12	13	18.00	18.00	17.93		
5	64QAM	25	0	18.22	18.31	18.17	19.4	0
Channel								
Frequency (MHz)								
3	QPSK	1	0	18.37	18.37	18.36	19.4	0
3	QPSK	1	8	18.33	18.66	18.36		
3	QPSK	1	14	17.97	18.05	18.00	19.4	0
3	QPSK	8	0	18.30	18.40	18.34		
3	QPSK	8	4	18.16	18.12	18.16	19.4	0
3	QPSK	8	7	18.11	18.12	18.15		
3	QPSK	15	0	17.99	18.13	17.95	19.4	0
3	16QAM	1	0	17.88	18.00	17.95		
3	16QAM	1	8	18.02	18.12	18.03	19.4	0
3	16QAM	1	14	17.75	17.90	17.87		
3	16QAM	8	0	18.25	18.37	18.12	19.4	0
3	16QAM	8	4	18.27	18.21	18.27		
3	16QAM	8	7	17.88	17.96	17.96	19.4	0
3	16QAM	15	0	18.11	18.12	18.17		
3	64QAM	1	0	18.24	18.22	18.16	19.4	0
3	64QAM	1	8	18.10	18.29	18.22		
3	64QAM	1	14	18.04	18.13	18.14	19.4	0
3	64QAM	8	0	18.17	18.21	18.15		
3	64QAM	8	4	17.99	18.07	18.03	19.4	0
3	64QAM	8	7	18.06	18.08	17.99		
3	64QAM	15	0	18.20	18.24	18.15	19.4	0
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18.27	18.33	18.26	19.4	0
1.4	QPSK	1	3	18.27	18.50	18.30		
1.4	QPSK	1	5	17.95	18.04	17.98	19.4	0
1.4	QPSK	3	0	18.26	18.30	18.30		
1.4	QPSK	3	1	18.08	18.19	18.09	19.4	0
1.4	QPSK	3	3	18.08	18.02	18.13		
1.4	16QAM	1	0	17.88	18.26	17.92	19.4	0
1.4	16QAM	1	0	17.88	17.99	17.97		
1.4	16QAM	1	3	18.03	17.96	18.04	19.4	0
1.4	16QAM	1	5	17.67	17.80	17.79		
1.4	16QAM	3	0	18.29	18.25	18.16	19.4	0
1.4	16QAM	3	1	18.31	18.36	18.31		
1.4	16QAM	3	1	17.81	17.96	17.96	19.4	0
1.4	16QAM	6	0	17.92	18.00	17.98		
1.4	64QAM	1	0	18.28	18.38	18.20	19.4	0
1.4	64QAM	1	3	18.24	18.39	18.36		
1.4	64QAM	1	5	17.85	18.13	17.95	19.4	0
1.4	64QAM	3	0	18.16	18.32	18.16		
1.4	64QAM	3	1	17.90	18.11	17.94	19.4	0
1.4	64QAM	3	3	18.13	18.06	18.06		
1.4	64QAM	6	0	18.23	18.31	18.18	19.4	0
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18.27	18.33	18.26	19.4	0
1.4	QPSK	1	3	18.27	18.50	18.30		
1.4	QPSK	1	5	17.95	18.04	17.98	19.4	0
1.4	QPSK	3	0	18.26	18.30	18.30		
1.4	QPSK	3	1	18.08	18.19	18.09	19.4	0
1.4	QPSK	3	3	18.08	18.02	18.13		
1.4	16QAM	1	0	17.88	18.26	17.92	19.4	0
1.4	16QAM	1	0	17.88	17.99	17.97		
1.4	16QAM	1	3	18.03	17.96	18.04	19.4	0
1.4	16QAM	1	5	17.67	17.80	17.79		
1.4	16QAM	3	0	18.29	18.25	18.16	19.4	0
1.4	16QAM	3	1	18.31	18.36	18.31		
1.4	16QAM	3	1	17.81	17.96	17.96	19.4	0
1.4	16QAM	6	0	17.92	18.00	17.98		
1.4	64QAM	1	0	18.28	18.38	18.20	19.4	



Band 7_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560		
Frequency (MHz)								
20	QPSK	1	0	17.12	17.15	17.10		
20	QPSK	1	49	17.15	17.25	17.21		
20	QPSK	1	99	16.91	17.07	16.95	18	0
20	QPSK	50	0	17.04	17.16	17.14		
20	QPSK	50	24	17.05	17.16	17.08		
20	QPSK	50	50	17.11	17.11	17.07	18	0
20	QPSK	100	0	17.09	17.12	17.05		
20	16QAM	1	0	16.72	16.81	16.71		
20	16QAM	1	49	16.88	17.01	16.92	18	0
20	16QAM	1	99	16.41	16.55	16.44		
20	16QAM	50	0	17.13	17.16	17.13		
20	16QAM	50	24	16.86	17.04	16.86	18	0
20	16QAM	50	50	16.94	17.12	17.08		
20	16QAM	100	0	17.07	17.09	16.99		
20	64QAM	1	0	16.94	17.11	17.11		
20	64QAM	1	49	17.05	17.15	17.06	18	0
20	64QAM	1	99	17.08	17.10	17.07		
20	64QAM	50	0	17.02	17.12	17.06		
20	64QAM	50	24	17.07	17.12	17.06	18	0
20	64QAM	50	50	16.97	17.14	17.02		
20	64QAM	100	0	16.94	17.08	16.92		
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25025	2535	25675		
15	QPSK	1	0	17.11	16.99	17.09		
15	QPSK	1	37	17.11	17.21	17.17	18	0
15	QPSK	1	74	16.77	17.03	16.81		
15	QPSK	36	0	16.88	17.07	16.98		
15	QPSK	36	20	16.88	17.15	16.91	18	0
15	QPSK	36	39	16.98	17.11	16.94		
15	QPSK	75	0	16.94	17.11	16.90		
15	16QAM	1	0	16.88	16.72	16.87		
15	16QAM	1	37	16.73	17.01	16.77	18	0
15	16QAM	1	74	16.31	16.41	16.34		
15	16QAM	36	0	16.98	17.07	16.98		
15	16QAM	36	20	16.85	16.98	16.85	18	0
15	16QAM	36	39	16.82	16.99	16.90		
15	16QAM	75	0	17.02	16.98	16.94		
15	64QAM	1	0	16.94	16.99	17.11		
15	64QAM	1	37	16.99	17.01	17.00	18	0
15	64QAM	1	74	17.04	17.04	17.03		
15	64QAM	36	0	16.96	16.97	17.00		
15	64QAM	36	20	17.03	17.04	17.02	18	0
15	64QAM	36	39	16.94	16.97	16.90		
15	64QAM	75	0	16.75	16.98	16.73		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.99	16.97	16.97		
10	QPSK	1	25	17.13	17.23	17.19	18	0
10	QPSK	1	49	16.77	16.96	16.81		
10	QPSK	25	0	16.97	17.13	16.97		
10	QPSK	25	12	17.02	17.03	17.05		
10	QPSK	25	25	17.08	16.97	17.04	18	0
10	QPSK	50	0	16.93	17.06	16.89		
10	16QAM	1	0	16.57	16.70	16.56		
10	16QAM	1	25	16.84	16.82	16.88	18	0
10	16QAM	1	49	16.26	16.39	16.29		
10	16QAM	25	0	17.06	16.98	17.06		
10	16QAM	25	12	16.86	16.96	16.86	18	0
10	16QAM	25	25	16.80	16.99	16.94		
10	16QAM	50	0	16.96	16.95	16.88		
10	64QAM	1	0	16.86	17.04	17.03		
10	64QAM	1	25	17.02	17.06	17.03	18	0
10	64QAM	1	49	17.07	16.98	17.06		
10	64QAM	25	0	16.93	17.00	16.97		
10	64QAM	25	12	17.02	17.06	17.01	18	0
10	64QAM	25	25	16.94	17.07	16.99		
10	64QAM	50	0	16.87	17.00	16.85		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25025	2535	25675		
5	QPSK	1	0	17.09	16.96	17.07		
5	QPSK	1	12	16.98	17.06	17.04	18	0
5	QPSK	1	24	16.91	17.07	16.95		
5	QPSK	12	0	16.89	17.06	16.99		
5	QPSK	12	7	16.91	17.09	16.94	18	0
5	QPSK	12	13	17.10	16.96	17.06		
5	QPSK	25	0	17.01	17.04	16.97		
5	16QAM	1	0	16.57	16.80	16.56		
5	16QAM	1	12	16.81	16.85	16.85	18	0
5	16QAM	1	24	16.33	16.36	16.36		
5	16QAM	12	0	16.96	17.04	16.96		
5	16QAM	12	7	16.78	17.03	16.78	18	0
5	16QAM	12	13	16.82	17.07	16.96		
5	16QAM	25	0	17.04	17.07	16.96		
5	64QAM	1	0	16.86	17.11	17.03		
5	64QAM	1	12	17.04	17.00	17.05	18	0
5	64QAM	1	24	17.06	16.97	17.05		
5	64QAM	12	0	16.88	17.08	16.92		
5	64QAM	12	7	17.01	17.05	17.00	18	0
5	64QAM	12	13	16.80	17.08	16.85		
5	64QAM	25	0	16.90	16.95	16.88		

Band 7_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2510	2535	2560		
Frequency (MHz)								
20	QPSK	1	0	15.80	15.87	15.79		
20	QPSK	1	49	15.82	15.90	15.85	16.7	0
20	QPSK	1	99	15.53	15.72	15.55		
20	QPSK	50	0	15.86	15.83	15.72		
20	QPSK	50	24	15.75	15.85	15.69	16.7	0
20	QPSK	50	50	15.61	15.77	15.63		
20	QPSK	100	0	15.65	15.79	15.67		
20	16QAM	1	0	15.53	15.56	15.37		
20	16QAM	1	49	15.69	15.78	15.69	16.7	0
20	16QAM	1	99	15.49	15.68	15.47		
20	16QAM	50	0	15.60	15.70	15.61		
20	16QAM	50	24	15.81	15.86	15.70	16.7	0
20	16QAM	50	50	15.73	15.88	15.79		
20	16QAM	100	0	15.82	15.85	15.73		
20	64QAM	1	0	15.21	15.34	15.28		
20	64QAM	1	49	15.49	15.68	15.52	16.7	0
20	64QAM	1	99	15.17	15.36	15.25		
20	64QAM	50	0	15.68	15.85	15.68		
20	64QAM	50	24	15.80	15.84	15.67	16.7	0
20	64QAM	50	50	15.75	15.80	15.79		
20	64QAM	100	0	15.63	15.79	15.62		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25025	2535	25675		
15	QPSK	1	0	15.80	15.72	15.79		
15	QPSK	1	37	15.80	15.82	15.83	16.7	0
15	QPSK	1	74	15.48	15.66	15.40		
15	QPSK	36	0	15.68	15.69	15.54		
15	QPSK	36	20	15.57	15.81	15.51	16.7	0
15	QPSK	36	39	15.55	15.58	15.57		
15	QPSK	75	0	15.60	15.60	15.62		
15	16QAM	1	0	15.36	15.44	15.20		
15	16QAM	1	37	15.59	15.70	15.59	16.7	0
15	16QAM	1	74	15.43	15.37	15.40		
15	16QAM	36	0	15.53	15.59	15.54		
15	16QAM	36	20	15.80	15.79	15.69	16.7	0
15	16QAM	36	39	15.54	15.81	15.60		
15	16QAM	75	0	15.81	15.71	15.72		
15	64QAM	1	0	15.12	15.26	15.19		
15	64QAM	1	37	15.41	15.62	15.44	16.7	0
15	64QAM	1	74	15.07	15.25	15.15		
15	64QAM	36	0	15.52	15.72	15.52		
15	64QAM	36	20	15.76	15.68	15.63	16.7	0
15	64QAM	36	39	15.60	15.65	15.64		
15	64QAM	75	0	15.60	15.71	15.59		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.67	15.73	15.66		
10	QPSK	1	25	15.67	15.90	15.70	16.7	0
10	QPSK	1	49	15.54	15.66	15.46		
10	QPSK	25	0	15.74	15.78	15.60		
10	QPSK	25	12	15.72	15.85	15.66		
10	QPSK	25	25	15.56	15.68			



Band 13_Ant31

BW (MHz)	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)								
782				2158			23.3	0
10	QPSK	1	0	2158				
10	QPSK	1	25	2192			22.3	1
10	QPSK	1	49	2183				
10	QPSK	25	0	2039			21.3	2
10	QPSK	25	12	2085				
10	QPSK	25	25	2095			21.3	2
10	QPSK	50	0	2098				
10	16QAM	1	0	2103			21.3	2
10	16QAM	1	25	2099				
10	16QAM	1	49	2056			20.3	3
10	16QAM	25	0	1995				
10	16QAM	25	12	2008			20.3	3
10	16QAM	25	25	1992				
10	16QAM	50	0	2005			20.3	3
10	16QAM	50	0	1988				
10	64QAM	1	25	1996			21.3	2
10	64QAM	1	49	1998				
10	64QAM	25	0	1894			21.3	2
10	64QAM	25	12	1880				
10	64QAM	25	25	1886			20.3	3
10	64QAM	50	0	1896				
Channel								
Frequency (MHz)								
2320c				2320	2325		23.3	0
5	QPSK	1	0	2164	2155	2157		
5	QPSK	1	12	2183	2179	2175	22.3	1
5	QPSK	1	24	2175	2182	2172		
5	QPSK	12	0	2085	2086	2080	22.3	1
5	QPSK	12	7	2096	2089	2091		
5	QPSK	12	13	2100	2105	2093	21.3	2
5	QPSK	25	0	2007	2091	2194		
5	16QAM	1	0	2106	2105	2099	22.3	1
5	16QAM	1	12	2091	2098	2086		
5	16QAM	1	24	2058	2060	2057	21.3	2
5	16QAM	12	0	1996	1990	1991		
5	16QAM	12	7	1999	2001	2005	21.3	2
5	16QAM	12	13	2001	2006	1999		
5	16QAM	25	0	1999	2006	1990	21.3	2
5	64QAM	1	0	1987	1994	1994		
5	64QAM	1	12	2007	2008	2012	20.3	3
5	64QAM	1	24	2005	1995	2009		
5	64QAM	12	0	1888	1906	1897	20.3	3
5	64QAM	12	7	1897	1896	1890		
5	64QAM	12	13	1884	1892	1893	20.3	3
5	64QAM	25	0	1905	1892	1890		

Band 26_Ant13

BW (MHz)	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)								
821.5				831.5	841.5		24	0
15	QPSK	1	0	2283	2261	2299		
15	QPSK	1	37	2322	2328	2325	23	1
15	QPSK	1	74	2305	2276	2301		
15	QPSK	36	0	2191	2215	2298	23	1
15	QPSK	36	20	2199	2194	2210		
15	QPSK	36	39	2203	2204	2210	23	1
15	QPSK	75	0	2203	2205	2200		
15	16QAM	1	0	2179	2170	2180	23	1
15	16QAM	1	37	2208	2200	2215		
15	16QAM	1	74	2152	2168	2185	22	2
15	16QAM	36	0	2072	2076	2095		
15	16QAM	36	20	2087	2082	2110	22	2
15	16QAM	36	39	2082	2096	2101		
15	16QAM	75	0	2101	2097	2095	22	2
15	64QAM	1	0	2090	2083	2124		
15	64QAM	1	37	2088	2113	2120	21	3
15	64QAM	1	74	2097	2100	2094		
15	64QAM	36	0	2000	1993	2006	21	3
15	64QAM	36	20	1989	2000	2021		
15	64QAM	36	39	2008	2006	1996	21	3
15	64QAM	75	0	1996	2009	2036		
Channel								
Frequency (MHz)								
26740				26865	26990		24	0
10	QPSK	1	0	2274	2259	2290		
10	QPSK	1	25	2313	2310	2316	23	1
10	QPSK	1	49	2290	2262	2286		
10	QPSK	25	0	2173	2202	2190	23	1
10	QPSK	25	12	2194	2188	2205		
10	QPSK	25	25	2197	2190	2200	22	2
10	QPSK	50	0	2095	2092	2094		
10	16QAM	1	0	2160	2163	2161	23	1
10	16QAM	1	25	2197	2195	2204		
10	16QAM	1	49	2153	2173	2182	22	2
10	16QAM	25	0	2053	2063	2076		
10	16QAM	25	12	2087	2072	2110	22	2
10	16QAM	25	25	2085	2097	2084		
10	16QAM	50	0	2101	2097	2095	22	2
10	64QAM	1	0	2080	2073	2114		
10	64QAM	1	25	2087	2105	2119	21	3
10	64QAM	1	49	2079	2091	2076		
10	64QAM	25	0	1985	1983	1991	21	3
10	64QAM	25	12	1995	1990	1996		
10	64QAM	25	25	1988	2000	1986	21	3
10	64QAM	50	0	1980	2006	2020		
Channel								
Frequency (MHz)								
26715				26865	27015		24	0
5	QPSK	1	0	2275	2246	2291		
5	QPSK	1	12	2309	2311	2312	23	1
5	QPSK	1	24	2291	2262	2287		
5	QPSK	12	0	2173	2210	2190	23	1
5	QPSK	12	7	2183	2182	2194		
5	QPSK	12	13	2184	2188	2191	22	2
5	QPSK	25	0	2202	2191	2199		
5	16QAM	1	0	2188	2161	2169	22	2
5	16QAM	1	12	2201	2181	2208		
5	16QAM	1	24	2150	2180	2179	22	2
5	16QAM	12	0	2057	2069	2080		
5	16QAM	12	7	2069	2065	2092	21	3
5	16QAM	12	13	2081	2088	2100		
5	16QAM	25	0	2093	2090	2087	21	3
5	64QAM	1	0	2073	2078	2107		
5	64QAM	1	12	2076	2112	2102	22	2
5	64QAM	1	24	2095	2082	2092		
5	64QAM	12	0	1989	1986	1995	22	2
5	64QAM	12	7	1973	1986	2005		
5	64QAM	12	13	2000	1993	1988	21	3
5	64QAM	25	0	1994	2000	2034		
Channel								
Frequency (MHz)								
26715				26865	27033		24	0
3	QPSK	1	0	2264	2249	2280		
3	QPSK	1	8	2315	2311	2318	23	1
3	QPSK	1	14	2293	2266	2289		
3	QPSK	8	0	2173	2205	2190	23	1
3	QPSK	8	4	2190	2176	2201		
3	QPSK	8	7	2193	2196	2200	22	2
3	QPSK	15	0	2167	2160	2184		
3	16QAM	1	0	2165	2159	2166	22	2
3	16QAM	1	8	2202	2183	2209		
3	16QAM	1	14	2149	2175	2178	21	3
3	16QAM	8	0	2070	2059	2093		
3	16QAM	8	4	2072	2070	2095	21	3
3	16QAM	8	7	2065	2090	2094		
3	16QAM	15	0	2085	2081	2079	22	2
3	64QAM	1	0	2076	2077	2110		
3	64QAM	1	8	2083	2103	2115	21	3
3	64QAM	1	14	2095	2096	2092		
3	64QAM	8	0	1995	1988	2002	21	3
3	64QAM	8	4	1975	2000	2007		
3	64QAM	8	7	1993	1989	1981	21	3
3	64QAM	15	0	1977	2007	2017		
Channel								
Frequency (MHz)								
814.7				831.5	848.3		24	0
1.4	QPSK	1	0	2282	2251	2298		
1.4	QPSK	1	3	2306	2320	2309	23	1
1.4	QPSK	1	5	2289	2274	2285		
1.4	QPSK	3	0	2279	2308	2296	23	1
1.4	QPSK	3	1	2293	2282	2304		
1.4	QPSK	3	3	2302	2294	2309	22	2
1.4	QPSK	6	0	2194	2194	2191		
1.4	16QAM	1	0	2168	2156	2169	22	2
1.4	16QAM	1	3	2189	2188	2196		
1.4	16QAM	1	5	2151	2178	2190	22	2
1.4	16QAM	3	0	2159	2172	2182		
1.4	16QAM	3	1	2179	2178	2202	22	2
1.4	16QAM	3	3	2163	2191	2182		
1.4	16QAM	6	0	2092	2088	2086	22	2
1.4	64QAM	1	0	2071	2074	2105		
1.4	64QAM	1	3	2085	2112	2117	22	2
1.4	64QAM	1	5	2082	2090	2079		
1.4	64QAM	3	0	2097	2091	2103		



Band 66_Ant13									
BW (MHz)	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)				1720	1745	1770			
20	QPSK	1	0	18.22	18.30	18.24			
20	QPSK	1	49	18.29	18.44	18.30			
20	QPSK	1	99	18.03	18.13	18.06	19	0	
20	QPSK	50	0	18.26	18.33	18.18			
20	QPSK	50	24	18.14	18.30	18.16	19	0	
20	QPSK	50	50	18.14	18.25	18.21			
20	QPSK	100	0	18.00	18.06	18.01			
20	16QAM	1	0	17.80	17.97	17.86			
20	16QAM	1	49	17.87	18.01	17.81	19	0	
20	16QAM	1	99	17.51	17.50	17.61			
20	16QAM	50	0	17.89	18.07	17.88			
20	16QAM	50	24	18.01	18.19	18.07	19	0	
20	16QAM	50	50	17.95	18.12	17.95			
20	16QAM	100	0	18.05	18.07	17.89			
20	64QAM	1	0	18.10	18.13	18.02			
20	64QAM	1	49	18.11	18.20	18.12	19	0	
20	64QAM	1	99	18.23	18.25	18.24			
20	64QAM	50	0	17.99	18.08	18.08			
20	64QAM	50	24	18.27	18.27	18.12	19	0	
20	64QAM	50	50	18.32	18.33	18.19			
20	64QAM	100	0	18.15	18.15	18.03			
Channel									
Frequency (MHz)				1720.7	1745	1770.3			
15	QPSK	1	0	18.19	18.10	18.21			
15	QPSK	1	37	18.22	18.35	18.23	19	0	
15	QPSK	1	74	17.98	18.04	18.01			
15	QPSK	36	0	18.20	18.19	18.12			
15	QPSK	36	20	18.03	18.27	18.05	19	0	
15	QPSK	36	39	18.05	18.07	18.12			
15	QPSK	75	0	18.00	17.93	18.01			
15	16QAM	1	0	17.71	17.87	17.77	19	0	
15	16QAM	1	37	17.70	17.82	17.74			
15	16QAM	1	74	17.62	17.71	17.62			
15	16QAM	36	0	17.80	17.93	17.79			
15	16QAM	36	20	17.89	18.12	17.85	19	0	
15	16QAM	36	39	17.78	17.94	17.78			
15	16QAM	75	0	17.88	17.93	17.72			
15	64QAM	1	0	18.09	17.96	18.01			
15	64QAM	1	37	18.01	18.06	18.02	19	0	
15	64QAM	1	74	18.23	18.13	18.24			
15	64QAM	36	0	17.94	18.08	18.03			
15	64QAM	36	20	18.25	18.25	18.16	19	0	
15	64QAM	36	39	18.31	18.15	18.18			
15	64QAM	75	0	18.10	17.96	17.98			
Channel									
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.20	18.15	18.22			
10	QPSK	1	25	18.18	18.39	18.19	19	0	
10	QPSK	1	49	17.99	18.00	17.92			
10	QPSK	25	0	18.26	18.33	18.18			
10	QPSK	25	12	18.11	18.22	18.13	19	0	
10	QPSK	25	25	17.96	18.17	18.03			
10	QPSK	50	0	17.84	18.05	17.85			
10	16QAM	1	0	17.80	17.90	17.86			
10	16QAM	1	25	17.85	17.98	17.89	19	0	
10	16QAM	1	49	17.79	17.83	17.79			
10	16QAM	25	0	17.87	17.98	17.86			
10	16QAM	25	12	17.92	18.09	17.98	19	0	
10	16QAM	25	25	17.85	18.02	17.85			
10	16QAM	50	0	17.89	17.93	17.73			
10	64QAM	1	0	17.91	18.00	17.83			
10	64QAM	1	25	18.07	18.11	18.08	19	0	
10	64QAM	1	49	18.22	18.16	18.23			
10	64QAM	25	0	17.80	18.08	17.89			
10	64QAM	25	12	18.25	18.25	18.10	19	0	
10	64QAM	25	25	18.23	18.14	18.10			
10	64QAM	50	0	18.12	18.01	18.00			
Channel									
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.05	18.15	18.07			
5	QPSK	1	12	18.23	18.40	18.24	19	0	
5	QPSK	1	24	17.96	18.05	17.99			
5	QPSK	12	0	18.08	18.15	18.00			
5	QPSK	12	7	18.08	18.23	18.10	19	0	
5	QPSK	12	13	18.10	18.08	18.17			
5	QPSK	25	0	18.00	18.05	18.01			
5	16QAM	1	0	17.67	17.88	17.73			
5	16QAM	1	12	17.81	17.96	17.85	19	0	
5	16QAM	1	24	17.80	17.74	17.80			
5	16QAM	12	0	17.81	18.01	17.80			
5	16QAM	12	7	17.99	18.11	18.05	19	0	
5	16QAM	12	13	17.91	17.95	17.91			
5	16QAM	25	0	18.05	18.00	17.89			
5	64QAM	1	0	17.94	18.10	17.86			
5	64QAM	1	12	18.08	18.08	18.09	19	0	
5	64QAM	1	24	18.10	18.13	18.11			
5	64QAM	12	0	17.91	17.95	18.00			
5	64QAM	12	7	18.24	18.11	18.09	19	0	
5	64QAM	12	13	18.28	18.24	18.15			
5	64QAM	25	0	17.96	18.09	17.84			
Channel									
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.07	18.11	18.09			
3	QPSK	1	8	18.24	18.33	18.25	19	0	
3	QPSK	1	14	18.01	17.95	18.04			
3	QPSK	8	0	18.20	18.25	18.12			
3	QPSK	8	4	18.14	18.28	18.16	19	0	
3	QPSK	8	7	18.02	18.15	18.09			
3	QPSK	15	0	17.87	17.88	17.88			
3	16QAM	1	0	17.65	17.86	17.71			
3	16QAM	1	6	17.70	17.83	17.74	19	0	
3	16QAM	1	14	17.78	17.83	17.78			
3	16QAM	8	0	17.87	17.97	17.86			
3	16QAM	8	4	17.90	18.10	17.96	19	0	
3	16QAM	8	7	17.86	18.03	17.86			
3	16QAM	15	0	17.94	17.96	17.78			
3	64QAM	1	0	17.94	18.04	17.86			
3	64QAM	1	8	18.02	18.14	18.03	19	0	
3	64QAM	1	14	18.16	18.08	18.17			
3	64QAM	8	0	17.88	18.04	17.97			
3	64QAM	8	4	18.11	18.09	17.96	19	0	
3	64QAM	8	7	18.17	18.21	18.04			
3	64QAM	15	0	18.15	17.95	18.03			
Channel									
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	18.22	18.25	18.24			
1.4	QPSK	1	3	18.22	18.39	18.23	19	0	
1.4	QPSK	1	5	17.88	17.97	17.91			
1.4	QPSK	3	0	18.23	18.25	18.15			
1.4	QPSK	3	1	18.14	18.29	18.16			
1.4	QPSK	3	3	18.06	18.05	18.13	19	0	
1.4	QPSK	6	0	17.82	17.89	17.83			
1.4	16QAM	1	0	17.73	17.87	17.79			
1.4	16QAM	1	3	17.73	17.88	17.77			
1.4	16QAM	1	5	17.75	17.76	17.75	19	0	
1.4	16QAM	3	0	17.89	17.91	17.88			
1.4	16QAM	3	1	17.92	18.00	17.88			
1.4	16QAM	3	3	17.82	17.94	17.82	19	0	
1.4	16QAM	6	0	17.99	17.90	17.83			
1.4	64QAM	1	0	18.10	18.02	18.02			
1.4	64QAM	1	3	18.02	18.04	18.03			
1.4	64QAM	1	5	18.23	18.24	18.24	19	0	
1.4	64QAM	3	0	17.90	17.93	17.89			
1.4	64QAM	3	1	18.22	18.24	18.07			
1.4	64QAM	3	3	18.19	18.25	18.06			
1.4	64QAM	6	0	18.02	18.06	17.90	19	0	

Band 66_Ant31									
BW (MHz)	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)				1720	1745	1770			
20	QPSK	1	0	18.90	18.87	18.85			
20	QPSK	1	49	19.11	19.20	19.13	19.8	0	
20	QPSK	1	99						



Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.82	19.87	19.90			
20	QPSK	1	49	19.85	19.88	19.95	20.8	0	
20	QPSK	1	99	19.70	19.71	19.53			
20	QPSK	50	0	19.83	19.85	19.75			
20	QPSK	50	24	19.78	19.80	19.79	20.8	0	
20	QPSK	50	50	19.47	19.63	19.44			
20	QPSK	100	0	19.88	19.71	19.65			
20	16QAM	1	0	19.40	19.41	19.36			
20	16QAM	1	49	19.14	19.32	19.18	20.8	0	
20	16QAM	1	99	19.35	19.41	19.36			
20	16QAM	50	0	19.66	19.79	19.75			
20	16QAM	50	24	19.86	19.86	19.77	20.8	0	
20	16QAM	50	50	19.69	19.79	19.74			
20	16QAM	100	0	19.67	19.81	19.64			
20	64QAM	1	0	19.00	19.00	18.88			
20	64QAM	1	49	19.25	19.36	19.32	20.8	0	
20	64QAM	1	99	19.04	19.21	19.02			
20	64QAM	50	0	19.51	19.60	19.43			
20	64QAM	50	24	19.59	19.65	19.62	20.8	0	
20	64QAM	50	50	19.43	19.59	19.44			
20	64QAM	100	0	19.54	19.55	19.45			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.69	19.71	19.67			
15	QPSK	1	37	19.87	19.83	19.93	20.8	0	
15	QPSK	1	74	19.60	19.53	19.43			
15	QPSK	36	0	19.71	19.77	19.63			
15	QPSK	36	20	19.67	19.65	19.68	20.8	0	
15	QPSK	36	39	19.31	19.48	19.29			
15	QPSK	75	0	19.92	19.55	19.49			
15	16QAM	1	0	19.21	19.34	19.17			
15	16QAM	1	37	19.02	19.15	19.06	20.8	0	
15	16QAM	1	74	19.27	19.27	19.28			
15	16QAM	36	0	19.53	19.76	19.62			
15	16QAM	36	20	19.71	19.69	19.62	20.8	0	
15	16QAM	36	39	19.63	19.74	19.68			
15	16QAM	75	0	19.57	19.74	19.54			
15	64QAM	1	0	18.98	18.84	18.86			
15	64QAM	1	37	19.08	19.24	19.15	20.8	0	
15	64QAM	1	74	19.98	19.13	19.06			
15	64QAM	36	0	19.48	19.49	19.40			
15	64QAM	36	20	19.53	19.64	19.56	20.8	0	
15	64QAM	36	39	19.38	19.48	19.39			
15	64QAM	75	0	19.46	19.41	19.37			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.64	19.78	19.62			
10	QPSK	1	25	19.73	19.64	19.79	20.8	0	
10	QPSK	1	49	19.59	19.53	19.42			
10	QPSK	25	0	19.80	19.78	19.72			
10	QPSK	25	12	19.71	19.69	19.72	20.8	0	
10	QPSK	25	25	19.32	19.45	19.29			
10	QPSK	50	0	19.52	19.69	19.49			
10	16QAM	1	0	19.28	19.25	19.24			
10	16QAM	1	25	19.07	19.17	19.11	20.8	0	
10	16QAM	1	49	19.23	19.25	19.24			
10	16QAM	25	0	19.82	19.71	19.71			
10	16QAM	25	12	19.74	19.88	19.85	20.8	0	
10	16QAM	25	25	19.69	19.62	19.74			
10	16QAM	50	0	19.49	19.74	19.46			
10	64QAM	1	0	18.85	19.00	18.89			
10	64QAM	1	25	19.12	19.32	19.19	20.8	0	
10	64QAM	1	49	19.03	19.04	19.01			
10	64QAM	25	0	19.32	19.44	19.24			
10	64QAM	25	12	19.50	19.48	19.53	20.8	0	
10	64QAM	25	25	19.33	19.48	19.34			
10	64QAM	50	0	19.43	19.42	19.34			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.65	19.73	19.63			
5	QPSK	1	12	19.81	19.83	19.87	20.8	0	
5	QPSK	1	24	19.54	19.63	19.37			
5	QPSK	12	0	19.80	19.66	19.72			
5	QPSK	12	7	19.63	19.61	19.64	20.8	0	
5	QPSK	12	13	19.30	19.59	19.27			
5	QPSK	25	0	19.49	19.70	19.46			
5	16QAM	1	0	19.38	19.24	19.34			
5	16QAM	1	12	19.11	19.18	19.15	20.8	0	
5	16QAM	1	24	19.22	19.23	19.23			
5	16QAM	12	0	19.58	19.60	19.67			
5	16QAM	12	7	19.73	19.81	19.64	20.8	0	
5	16QAM	12	13	19.58	19.71	19.63			
5	16QAM	25	0	19.54	19.76	19.51			
5	64QAM	1	0	18.90	18.95	18.90			
5	64QAM	1	12	19.22	19.21	19.29	20.8	0	
5	64QAM	1	24	18.96	19.16	18.94			
5	64QAM	12	0	19.34	19.41	19.26			
5	64QAM	12	7	19.51	19.55	19.54	20.8	0	
5	64QAM	12	13	19.27	19.53	19.28			
5	64QAM	25	0	19.54	19.41	19.45			

Band 38_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.75	17.80	17.79			
20	QPSK	1	49	18.24	18.25	18.20	18.6	0	
20	QPSK	1	99	17.90	17.99	17.87			
20	QPSK	50	0	17.72	17.78	17.70			
20	QPSK	50	24	17.70	17.74	17.68	18.6	0	
20	QPSK	50	50	17.48	17.61	17.48			
20	QPSK	100	0	17.62	17.65	17.58			
20	16QAM	1	0	17.34	17.34	17.23			
20	16QAM	1	49	17.18	17.20	17.08	18.6	0	
20	16QAM	1	99	17.06	17.17	17.17			
20	16QAM	50	0	17.76	17.77	17.65			
20	16QAM	50	24	17.63	17.70	17.54	18.6	0	
20	16QAM	50	50	17.61	17.75	17.58			
20	16QAM	100	0	17.78	17.80	17.62			
20	64QAM	1	0	17.30	17.45	17.31			
20	64QAM	1	49	17.73	17.73	17.56	18.6	0	
20	64QAM	1	99	17.45	17.55	17.50			
20	64QAM	50	0	17.52	17.55	17.47			
20	64QAM	50	24	17.48	17.64	17.49	18.6	0	
20	64QAM	50	50	17.59	17.60	17.41			
20	64QAM	100	0	17.57	17.75	17.62			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.51	17.66	17.65			
15	QPSK	1	37	18.08	18.12	18.04	18.6	0	
15	QPSK	1	74	17.86	17.95	17.83			
15	QPSK	36	0	17.56	17.73	17.54			
15	QPSK	36	20	17.54	17.65	17.52	18.6	0	
15	QPSK	36	39	17.42	17.47	17.42			
15	QPSK	75	0	17.51	17.47	17.47			
15	16QAM	1	0	17.20	17.31	17.09			
15	16QAM	1	37	17.03	17.15	16.93	18.6	0	
15	16QAM	1	74	16.99	17.07	17.00			
15	16QAM	36	0	17.72	17.74	17.61			
15	16QAM	36	20	17.58	17.53	17.49	18.6	0	
15	16QAM	36	39	17.56	17.66	17.53			
15	16QAM	75	0	17.76	17.76	17.60			
15	64QAM	1	0	17.28	17.28	17.29			
15	64QAM	1	37	17.70	17.65	17.53	18.6	0	
15	64QAM	1	74	17.45	17.49	17.50			
15	64QAM	36	0	17.38	17.44	17.33			
15	64QAM	36	20	17.45	17.57	17.46	18.6	0	
15	64QAM	36	39	17.47	17.60	17.29			



Band 41_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	19.88	19.95	19.81	19.83		
20	QPSK	1	49	19.97	20.10	19.92	19.90	20.8	0
20	QPSK	1	99	20.03	20.05	19.97	20.05		
20	QPSK	50	0	19.85	20.00	19.95	19.87		
20	QPSK	50	24	19.83	19.90	19.78	19.77	20.8	0
20	QPSK	50	50	19.94	19.95	19.90	19.87		
20	QPSK	100	0	19.86	19.99	19.79	19.74		
20	16QAM	1	0	19.64	19.66	19.50	19.49		
20	16QAM	1	49	19.96	20.07	19.95	20.07	20.8	0
20	16QAM	1	99	19.60	19.64	19.50	19.62		
20	16QAM	50	0	19.89	20.01	19.86	19.89		
20	16QAM	50	24	20.00	20.03	20.02	20.03	20.8	0
20	16QAM	50	50	19.77	19.84	19.68	19.65		
20	16QAM	100	0	19.82	20.01	19.93	19.86		
20	16QAM	1	0	19.75	19.77	19.67	19.66		
20	16QAM	1	49	19.95	20.01	19.98	19.97	20.8	0
20	16QAM	1	99	19.74	19.80	19.75	19.68		
20	16QAM	50	0	20.03	20.08	19.98	19.90		
20	16QAM	50	24	19.91	20.09	19.95	20.01	20.8	0
20	16QAM	50	50	19.77	19.92	19.80	19.80		
20	16QAM	100	0	19.97	20.02	19.84	19.92		
Channel				40115	40395	40685	41165		
Frequency (MHz)				25425	25655	25955	26425		
15	QPSK	1	0	19.71	19.81	19.64	19.75		
15	QPSK	1	37	19.81	20.04	19.76	19.84	20.8	0
15	QPSK	1	74	19.96	19.88	19.90	19.88		
15	QPSK	36	0	19.72	19.88	19.82	19.75		
15	QPSK	36	20	19.73	19.73	19.68	19.60	20.8	0
15	QPSK	36	39	19.80	19.90	19.76	19.82		
15	QPSK	75	0	19.85	19.77	19.78	19.63		
15	16QAM	1	0	19.50	19.60	19.36	19.43		
15	16QAM	1	37	19.82	19.97	19.81	19.97	20.8	0
15	16QAM	1	74	19.60	19.52	19.50	19.50		
15	16QAM	36	0	19.77	19.94	19.74	19.82		
15	16QAM	36	20	19.86	19.91	19.98	19.91	20.8	0
15	16QAM	36	39	19.76	19.70	19.67	19.51		
15	16QAM	75	0	19.74	19.97	19.85	19.82		
15	16QAM	1	0	19.75	19.60	19.67	19.49		
15	16QAM	1	37	19.81	19.96	19.84	19.94	20.8	0
15	16QAM	1	74	19.65	19.65	19.67	19.53		
15	16QAM	36	0	19.93	19.92	19.88	19.74		
15	16QAM	36	20	19.77	19.94	19.81	19.86	20.8	0
15	16QAM	36	39	19.69	19.82	19.72	19.70		
15	16QAM	75	0	19.88	19.95	19.75	19.85		
Channel				40090	40350	40630	41150		
Frequency (MHz)				2550	2570	2590	2650		
10	QPSK	1	0	19.71	19.82	19.64	19.83		
10	QPSK	1	25	19.84	19.92	19.79	19.72	20.8	0
10	QPSK	1	49	19.92	20.01	19.86	20.01		
10	QPSK	25	0	19.75	19.91	19.85	19.78		
10	QPSK	25	12	19.74	19.81	19.69	19.68	20.8	0
10	QPSK	25	25	19.75	19.89	19.71	19.81		
10	QPSK	50	0	19.68	19.87	19.81	19.73		
10	16QAM	1	0	19.48	19.52	19.34	19.35		
10	16QAM	1	25	19.82	20.06	19.81	20.06	20.8	0
10	16QAM	1	49	19.56	19.62	19.46	19.60		
10	16QAM	25	0	19.73	20.01	19.70	19.89		
10	16QAM	25	12	19.84	19.90	19.86	19.90	20.8	0
10	16QAM	25	25	19.77	19.80	19.68	19.61		
10	16QAM	50	0	19.65	19.82	19.76	19.67		
10	16QAM	1	0	19.67	19.63	19.59	19.52		
10	16QAM	1	25	19.78	19.98	19.81	19.94	20.8	0
10	16QAM	1	49	19.71	19.68	19.73	19.56		
10	16QAM	25	0	20.02	20.01	19.97	19.83		
10	16QAM	25	12	19.74	20.00	19.78	19.92	20.8	0
10	16QAM	25	25	19.62	19.87	19.65	19.75		
10	16QAM	50	0	19.94	19.91	19.81	19.81		
Channel				40065	40335	40705	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	19.79	19.87	19.72	19.77		
5	QPSK	1	12	19.96	19.99	19.91	19.79	20.8	0
5	QPSK	1	24	19.99	19.93	19.93	19.93		
5	QPSK	12	0	19.66	19.96	19.76	19.83		
5	QPSK	12	7	19.78	19.87	19.71	19.74		
5	QPSK	12	13	19.83	19.95	19.79	19.87	20.8	0
5	QPSK	25	0	19.76	19.75	19.69	19.61		
5	16QAM	1	0	19.57	19.54	19.43	19.37		
5	16QAM	1	12	19.83	19.97	19.82	19.97	20.8	0
5	16QAM	1	24	19.45	19.50	19.35	19.48		
5	16QAM	12	0	19.87	19.99	19.84	19.87		
5	16QAM	12	7	19.95	19.86	19.87	19.86	20.8	0
5	16QAM	12	13	19.58	19.68	19.49	19.49		
5	16QAM	25	0	19.73	19.90	19.84	19.75		
5	16QAM	1	0	19.87	19.63	19.59	19.52		
5	16QAM	1	12	19.95	19.97	19.98	19.93	20.8	0
5	16QAM	1	24	19.64	19.70	19.66	19.58		
5	16QAM	12	0	19.97	20.01	19.92	19.83		
5	16QAM	12	7	19.77	19.99	19.81	19.91	20.8	0
5	16QAM	12	13	19.69	19.83	19.72	19.71		
5	16QAM	25	0	19.91	19.94	19.78	19.84		

Band 41_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.25	21.31	21.24	21.28		
20	QPSK	1	49	21.38	21.55	21.42	21.40	22.6	0
20	QPSK	1	99	20.98	21.15	21.02	21.05		
20	QPSK	50	0	21.41	21.50	21.47	21.36		
20	QPSK	50	24	21.35	21.45	21.39	21.47	22.6	0
20	QPSK	50	50	21.20	21.36	21.36	21.25		
20	QPSK	100	0	21.38	21.49	21.39	21.45		
20	16QAM	1	0	21.03	21.15	21.01	21.05		
20	16QAM	1	49	21.41	21.53	21.41	21.39	22.6	0
20	16QAM	1	99	21.17	21.31	21.20	21.25		
20	16QAM	50	0	21.17	21.17	21.03	21.15		
20	16QAM	50	24	20.95	21.13	21.04	20.97	22.1	0.5
20	16QAM	50	50	20.68	20.74	20.65	20.70		
20	16QAM	100	0	20.79	20.89	20.73	20.81		
20	16QAM	1	0	20.62	20.75	20.57	20.65		
20	16QAM	1	49	20.85	20.99	20.94	20.97	22.1	0.5
20	16QAM	1	99	20.58	20.65	20.63	20.48		
20	16QAM	50	0	20.00	20.09	19.95	19.98		
20	16QAM	50	24	19.82	19.96	19.78	19.85	21.1	1.5
20	16QAM	50	50	19.72	19.78	19.62	19.65		
20	16QAM	100	0	20.02	20.03	19.85	19.91		
Channel				40115	40395	40685	41165		
Frequency (MHz)				25425	25655	25955	26425		
15	QPSK	1	0	21.06	21.17	21.05	21.26		
15	QPSK	1	37	21.22	21.37	21.22	21.22	22.6	0
15	QPSK	1	74	20.83	21.07	20.89	20.97		
15	QPSK	36	0	21.26	21.38	21.32	21.17		
15	QPSK	36	20	21.22	21.52	21.29	21.31	22.6	0
15	QPSK	36	39	21.11	21.24	21.27	21.13		
15	QPSK	75	0	21.23	21.49	21.24	21.39		
15	16QAM	1	0	21.02	21.14	21.00	21.04		
15	16QAM	1	37	21.35	21.42	21.35	21.28	22.6	0
15	16QAM	1	74	20.98	21.17	21.01	21.11		
15	16QAM	36	0	21.04	21.14	20.90	21.12		
15</									



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GSM850_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.03	31.95	31.99	33.00	23.03	22.95	22.99	24.00
GPRS 1 Tx slot	32.01	32.04	31.92	33.00	23.01	23.04	22.92	24.00
GPRS 2 Tx slots	30.55	30.58	30.57	31.80	24.55	24.58	24.57	25.80
GPRS 3 Tx slots	28.46	28.27	28.37	29.50	24.20	24.01	24.11	25.24
GPRS 4 Tx slots	26.74	26.78	26.64	28.00	23.74	23.78	23.64	25.00
EDGE 1 Tx slot	26.51	26.31	26.28	27.50	17.51	17.31	17.28	18.50
EDGE 2 Tx slots	24.85	24.74	24.76	26.00	18.85	18.74	18.76	20.00
EDGE 3 Tx slots	22.74	22.75	22.81	23.90	18.48	18.49	18.35	19.64
EDGE 4 Tx slots	21.13	21.06	21.08	22.30	18.13	18.06	18.08	19.30

GSM1900_Ant13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.20	29.23	29.19	30.20	20.20	20.23	20.19	21.20
GPRS 1 Tx slot	29.18	29.21	29.17	30.20	20.18	20.21	20.17	21.20
GPRS 2 Tx slots	27.30	27.33	27.29	28.50	21.30	21.33	21.29	22.50
GPRS 3 Tx slots	25.95	26.04	26.00	27.00	21.69	21.78	21.74	22.74
GPRS 4 Tx slots	24.20	24.31	24.57	25.00	21.20	21.31	21.57	22.00
EDGE 1 Tx slot	25.46	25.52	25.62	26.80	16.46	16.52	16.62	17.80
EDGE 2 Tx slots	23.81	23.88	23.98	24.70	17.81	17.88	17.98	18.70
EDGE 3 Tx slots	21.63	21.72	21.80	22.50	17.37	17.46	17.54	18.24
EDGE 4 Tx slots	20.38	20.45	20.59	21.50	17.38	17.45	17.58	18.50

Band	WCDMA_II_Ant31			Tune-up Limit (dBm)	WCDMA_IV_Ant31			Tune-up Limit (dBm)	WCDMA_V_Ant31			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Frequency (MHz)	9662	9800	9938		1537	1638	1738	4367	4407	4458			
3GPP Rel 99	AMR 12.2Kbps	18.82	20.00	20.07	21.30	19.96	20.10	20.00	21.30	23.04	22.88	23.03	24.30
3GPP Rel 99	RMC 12.2Kbps	20.11	20.12	19.98	21.30	20.10	20.11	19.94	21.30	23.09	23.10	23.05	24.30
3GPP Rel 6	HSDPA Subtest-1	18.92	18.97	19.01	20.10	19.19	19.02	19.08	20.10	21.99	22.05	22.07	23.10
3GPP Rel 6	HSDPA Subtest-2	19.00	18.99	19.15	20.10	19.14	19.22	19.06	20.10	21.88	21.97	21.92	23.10
3GPP Rel 6	HSDPA Subtest-3	18.51	18.45	18.68	19.60	18.61	18.73	18.62	19.60	21.39	21.50	21.45	22.60
3GPP Rel 6	HSDPA Subtest-4	18.54	18.44	18.60	19.60	18.54	18.73	18.62	19.60	21.37	21.48	21.44	22.60
3GPP Rel 6	DC-HSDPA Subtest-1	18.82	18.73	18.95	20.10	19.06	18.92	19.06	20.10	21.97	21.83	21.94	23.10
3GPP Rel 6	DC-HSDPA Subtest-2	18.51	18.98	19.07	20.10	19.13	19.10	19.02	20.10	21.83	21.94	21.85	23.10
3GPP Rel 6	DC-HSDPA Subtest-3	18.37	18.46	18.55	19.60	18.54	18.63	18.62	19.60	21.25	21.35	21.37	22.60
3GPP Rel 6	DC-HSDPA Subtest-4	18.48	18.33	18.55	19.60	18.58	18.62	18.55	19.60	21.36	21.38	21.32	22.60
3GPP Rel 6	HSPA Subtest-1	19.02	18.94	19.02	20.10	18.96	19.12	18.96	20.10	21.80	21.92	21.91	23.30
3GPP Rel 6	HSPA Subtest-2	16.92	16.93	17.13	18.10	16.99	17.21	17.07	18.10	19.97	20.04	19.91	21.30
3GPP Rel 6	HSPA Subtest-3	17.98	17.97	18.07	19.10	18.05	18.24	17.96	19.10	20.90	20.94	20.94	22.30
3GPP Rel 6	HSPA Subtest-4	17.07	16.98	17.02	18.10	17.09	17.20	16.98	18.10	19.98	19.96	20.09	21.30
3GPP Rel 6	HSPA Subtest-5	18.94	18.90	19.03	20.10	19.04	19.20	18.91	20.10	21.80	21.80	22.00	23.00

Band	WCDMA_II_Ant13			Tune-up Limit (dBm)	WCDMA_IV_Ant13			Tune-up Limit (dBm)	WCDMA_V_Ant13			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Frequency (MHz)	9662	9800	9938		1537	1638	1738	4367	4407	4458			
3GPP Rel 99	AMR 12.2Kbps	21.42	21.53	21.52	23.00	23.01	23.07	23.02	24.50	22.93	22.88	22.89	24.50
3GPP Rel 99	RMC 12.2Kbps	21.49	21.55	21.53	23.00	22.98	23.10	22.98	24.50	22.87	22.95	22.90	24.50
3GPP Rel 6	HSDPA Subtest-1	20.40	20.40	20.52	21.80	21.87	21.81	21.90	23.30	21.83	22.01	21.96	23.30
3GPP Rel 6	HSDPA Subtest-2	20.54	20.58	20.56	21.80	21.90	21.96	21.90	23.30	21.88	21.82	21.84	23.30
3GPP Rel 6	HSDPA Subtest-3	20.13	20.09	20.14	21.30	21.38	21.46	21.40	22.80	21.40	21.41	21.37	22.80
3GPP Rel 6	HSDPA Subtest-4	20.13	20.05	20.13	21.30	21.37	21.46	21.39	22.80	21.37	21.40	21.36	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	20.38	20.23	20.42	21.80	21.85	21.77	21.77	23.30	21.86	22.00	21.93	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	20.59	20.43	20.43	21.80	21.88	21.87	21.81	23.30	21.77	21.77	21.74	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	20.07	20.06	20.17	21.30	21.23	21.38	21.35	22.80	21.32	21.27	21.36	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	20.06	20.00	20.05	21.30	21.25	21.40	21.29	22.80	21.27	21.37	21.32	22.80
3GPP Rel 6	HSPA Subtest-1	20.53	20.47	20.61	21.80	21.88	21.98	21.85	23.30	21.91	21.95	21.93	23.50
3GPP Rel 6	HSPA Subtest-2	18.48	18.50	18.57	19.80	20.01	20.00	19.89	21.30	19.85	19.91	19.88	21.50
3GPP Rel 6	HSPA Subtest-3	19.53	19.51	19.59	20.80	21.03	21.00	20.95	22.30	20.79	20.87	20.85	22.50
3GPP Rel 6	HSPA Subtest-4	18.55	18.59	18.58	19.80	20.05	20.04	19.87	21.30	20.01	20.05	19.88	21.50
3GPP Rel 6	HSPA Subtest-5	20.61	20.63	20.55	21.80	22.00	22.00	21.90	23.30	21.90	21.80	21.90	23.20

GSM850_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.75	31.65	31.80	32.70	22.75	22.65	22.80	23.70
GPRS 1 Tx slot	31.77	31.61	31.68	32.70	22.77	22.61	22.68	23.70
GPRS 2 Tx slots	29.66	29.71	29.70	30.50	23.66	23.71	23.70	24.50
GPRS 3 Tx slots	27.88	27.92	27.91	29.00	23.62	23.66	23.65	24.74
GPRS 4 Tx slots	26.12	26.03	26.16	27.00	23.12	23.03	23.16	24.00
EDGE 1 Tx slot	25.97	25.84	25.85	27.00	16.97	16.84	16.85	18.00
EDGE 2 Tx slots	24.33	24.27	24.34	25.50	18.33	18.27	18.34	19.50
EDGE 3 Tx slots	22.27	22.12	22.18	23.50	18.01	17.86	17.92	19.24
EDGE 4 Tx slots	20.53	20.56	20.55	21.80	17.53	17.56	17.55	18.80

GSM1900_Ant31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.35	29.40	29.45	30.50	20.35	20.40	20.45	21.50
GPRS 1 Tx slot	29.32	29.30	29.35	30.50	20.32	20.30	20.35	21.50
GPRS 2 Tx slots	26.17	26.36	26.21	27.50	20.17	20.36	20.21	21.50
GPRS 3 Tx slots	24.53	24.69	24.88	25.60	20.27	20.43	20.62	21.34
GPRS 4 Tx slots	23.35	23.41	23.50	24.30	20.35	20.41	20.50	21.30
EDGE 1 Tx slot	25.01	25.15	25.31	26.50	16.01	16.15	16.31	17.50
EDGE 2 Tx slots	23.34	23.42	23.73	24.20	17.34	17.42	17.73	18.20
EDGE 3 Tx slots	21.18	21.24	21.60	22.30	16.92	16.98	17.34	18.04
EDGE 4 Tx slots	19.85	20.10	20.23	21.00	16.85	17.10	17.23	18.00



Band 2_Ant13

Channel	Frequency (MHz)	Power Low Ch./Freq. 1850	Power Middle Ch./Freq. 1880	Power High Ch./Freq. 1900	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	21.74	21.77	21.67
20	QPSK	1	49	22.09	22.15	22.11
20	QPSK	1	99	21.72	21.72	21.85
20	QPSK	50	0	21.83	21.83	21.81
20	QPSK	50	24	21.78	21.90	21.75
20	QPSK	50	50	21.72	21.77	21.80
20	QPSK	100	0	21.80	21.90	21.88
20	16QAM	1	0	21.77	21.82	21.77
20	16QAM	1	49	21.59	21.81	21.80
20	16QAM	1	99	21.08	21.69	21.65
20	16QAM	50	0	20.81	20.91	20.98
20	16QAM	50	24	20.78	20.82	21.09
20	16QAM	50	50	20.71	20.80	21.01
20	16QAM	100	0	20.80	20.81	20.99
20	64QAM	1	0	20.92	20.88	20.85
20	64QAM	1	49	21.10	21.20	21.08
20	64QAM	1	99	20.76	20.85	20.81
20	64QAM	50	0	20.01	20.04	19.96
20	64QAM	50	24	19.87	19.88	20.11
20	64QAM	50	50	19.83	19.83	20.12
20	64QAM	100	0	19.87	19.90	19.99
Channel	Frequency (MHz)	1860	1880	1900	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.58	21.49	21.51
15	QPSK	1	37	21.93	22.01	22.05
15	QPSK	1	74	21.58	21.49	21.70
15	QPSK	36	0	21.83	21.93	21.91
15	QPSK	36	20	21.78	21.77	21.75
15	QPSK	36	39	21.81	21.73	21.89
15	QPSK	75	0	21.77	21.91	21.89
15	16QAM	1	0	21.82	21.43	21.82
15	16QAM	1	37	21.46	21.68	21.67
15	16QAM	1	74	21.60	21.65	21.57
15	16QAM	36	0	20.79	20.91	20.96
15	16QAM	36	20	20.76	20.77	21.07
15	16QAM	36	39	20.86	20.86	20.86
15	16QAM	75	0	20.63	20.79	20.82
15	64QAM	1	0	20.74	20.81	20.67
15	64QAM	1	37	20.98	21.03	20.94
15	64QAM	1	74	20.75	20.79	20.80
15	64QAM	36	0	19.87	19.88	19.82
15	64QAM	36	20	19.76	19.76	19.89
15	64QAM	36	39	19.71	19.80	20.00
15	64QAM	75	0	19.75	19.88	19.87
Channel	Frequency (MHz)	1855	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.64	21.45	21.59
10	QPSK	1	25	21.86	22.09	21.96
10	QPSK	1	49	21.58	21.58	21.71
10	QPSK	25	0	21.81	21.81	21.89
10	QPSK	25	12	21.59	21.80	21.58
10	QPSK	25	25	21.58	21.70	21.66
10	QPSK	50	0	21.80	21.82	21.88
10	16QAM	1	0	21.70	21.51	21.70
10	16QAM	1	25	21.47	21.75	21.68
10	16QAM	1	49	21.88	21.90	21.83
10	16QAM	25	0	20.87	20.78	20.84
10	16QAM	25	12	20.72	20.69	21.03
10	16QAM	25	25	20.70	20.62	21.00
10	16QAM	50	0	20.78	20.74	20.97
10	64QAM	1	0	20.86	20.72	20.79
10	64QAM	1	25	21.02	21.02	20.88
10	64QAM	1	49	20.57	20.83	20.86
10	64QAM	25	0	19.90	20.03	19.85
10	64QAM	25	12	19.75	19.81	19.99
10	64QAM	25	25	19.71	19.88	20.00
10	64QAM	50	0	19.81	19.86	19.93
Channel	Frequency (MHz)	1850	1880	1905	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.55	21.51	21.53
5	QPSK	1	12	21.86	22.08	21.95
5	QPSK	1	24	21.58	21.54	21.73
5	QPSK	12	0	21.71	21.96	21.79
5	QPSK	12	7	21.62	21.88	21.59
5	QPSK	12	13	21.69	21.68	21.77
5	QPSK	25	0	21.74	21.74	21.82
5	16QAM	1	0	21.66	21.58	21.66
5	16QAM	1	12	21.50	21.77	21.71
5	16QAM	1	24	21.56	21.57	21.53
5	16QAM	12	0	20.77	20.75	20.94
5	16QAM	12	7	20.70	20.75	21.01
5	16QAM	12	13	20.56	20.77	20.86
5	16QAM	25	0	20.78	20.81	20.97
5	64QAM	1	0	20.74	20.88	20.67
5	64QAM	1	12	20.91	21.13	20.87
5	64QAM	1	24	20.60	20.68	20.65
5	64QAM	12	0	19.92	19.98	19.87
5	64QAM	12	7	19.78	19.70	20.09
5	64QAM	12	13	19.75	19.88	20.04
5	64QAM	25	0	19.72	19.78	19.84
Channel	Frequency (MHz)	1865	1880	1905	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	21.82	21.55	21.54
3	QPSK	1	8	21.94	22.09	21.96
3	QPSK	1	14	21.46	21.46	21.68
3	QPSK	8	0	21.83	21.79	21.91
3	QPSK	8	4	21.75	21.72	21.72
3	QPSK	8	7	21.71	21.76	21.79
3	QPSK	15	0	21.69	21.89	21.77
3	16QAM	1	0	21.67	21.61	21.67
3	16QAM	1	8	21.41	21.71	21.62
3	16QAM	1	14	21.51	21.65	21.68
3	16QAM	8	0	20.81	20.83	20.88
3	16QAM	8	4	20.78	20.78	21.09
3	16QAM	8	7	20.65	20.80	20.85
3	16QAM	15	0	20.77	20.77	20.96
3	64QAM	1	0	20.82	20.74	20.89
3	64QAM	1	8	21.03	21.01	20.99
3	64QAM	1	14	20.65	20.72	20.70
3	64QAM	8	0	19.96	19.85	19.91
3	64QAM	8	4	19.81	19.87	20.05
3	64QAM	8	7	19.79	19.86	20.08
3	64QAM	15	0	19.84	19.77	19.96
Channel	Frequency (MHz)	1850	1880	1905	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	21.50	21.52	21.60
1.4	QPSK	1	3	21.82	22.07	21.95
1.4	QPSK	1	5	21.60	21.59	21.74
1.4	QPSK	3	0	21.82	21.59	21.53
1.4	QPSK	3	1	21.86	22.09	21.92
1.4	QPSK	3	3	21.46	21.61	21.66
1.4	QPSK	6	0	21.68	21.75	21.76
1.4	16QAM	1	0	21.77	21.47	21.77
1.4	16QAM	1	3	21.56	21.74	21.77
1.4	16QAM	1	5	21.57	21.57	21.54
1.4	16QAM	3	0	21.76	21.88	21.93
1.4	16QAM	3	1	21.59	21.68	21.90
1.4	16QAM	3	3	21.64	21.84	21.94
1.4	16QAM	6	0	20.73	20.68	20.92
1.4	64QAM	1	0	20.88	20.71	20.81
1.4	64QAM	1	3	20.94	21.18	20.90
1.4	64QAM	1	5	20.64	20.84	20.69
1.4	64QAM	3	0	20.86	20.92	21.01
1.4	64QAM	3	1	20.81	20.87	21.05
1.4	64QAM	3	3	20.81	20.81	21.07
1.4	64QAM	6	0	20.78	20.69	21.07
1.4	64QAM	6	3	20.76	20.69	21.07
1.4	64QAM	6	5	19.72	19.88	19.84
1.4	64QAM	6	19	19.82	19.88	19.84

Band 2_Ant31

Channel	Frequency (MHz)	Power Low Ch./Freq. 1850	Power Middle Ch./Freq. 1880	Power High Ch./Freq. 1900	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	21.01	21.04	20.96
20	QPSK	1	49	21.00	21.11	20.91
20	QPSK	1	99	20.93	21.02	20.87
20	QPSK	50	0	20.91	21.01	20.91
20	QPSK	50	24	20.86	21.00	20.84
20	QPSK	50	50	20.81	20.96	20.87
20	QPSK	100	0	20.82	20.98	20.83
20	16QAM	1	0	20.84	21.03	20.89
20	16QAM	1	49	20.86	20.91	20.85
20	16QAM	1	99	20.82	21.00	20.84
20	16QAM	50	0	20.91	20.98	20.83
20	16QAM	50	24	20.86	21.01	20.81
20	16QAM	50	50	20.82	21.00	20.89
20	16QAM	100	0	20.85	21.01	20.83
20	64QAM	1	0	20.89	20.88	20.76
20	64QAM	1	49	20.92	21.01	20.93
20	64QAM	1	99	20.93	20.95	20.85
20	64QAM	50	0	19.82	19.96	20.80
20	64QAM	50	24	19.84	19.71	20.04
20	64QAM	50	50	19.83	19.76	20.17
20	64QAM	100	0	19.81	19.86	20.02
Channel	Frequency (MHz)	1875	1880	1900	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.88	21.08	20.91
15	QPSK	1	37	20.86	20.99	20.83
15	QPSK	1	74	20.91	20.90	20.78
15	QPSK	36	0	20.73	20.84	20.67
15	QPSK	36	20	20.73	20.88	20.74
15	QPSK	36	39	20.71	20.83	20.80
15	16QAM	1	0	20.80	20.96	20.86
15	16QAM	1	0	20.75	20.96	20.80
15	16QAM	1	37	20.73	20.86	20.77
15	16QAM	1	74	20.79	20.90	20.83
15	16QAM	36	0	20.85	20.91	20.83
15	16QAM	36	20	20.73	20.96	20.73
15	16QAM	36	39	20.74	20.96	20.67
15	16QAM	75	0	20.78	20.90	20.80
15	64QAM	1	0	20.81	20.93	20.69
15	64QAM	1	37	20.81	20.99	20.78
15	64QAM	1	74	20.88	20.90	20.82
15	64QAM	36	0	19.76	19.96	20.00
15	64QAM	36	20	19.75	19.89	20.00
15	64QAM	36	39	19.74	19.83	20.08
15	64QAM	75	0	19.78	19.78	19.99
15	64QAM	1	74	20.88	20.90	20.82
Channel	Frequency (MHz)	1865	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.97	21.06	20.86
10	QPSK	1	25	20.91	21.09	20.80
10	QPSK	1	49	20.92	20.91	20.78
10	QPSK	25	0	20.74	20.96	20.82
10	QPSK	25	12	20.81	20.91	20.82
10	QPSK	25	25	20.66	20.89	20.77
10	QPSK	50	0	20.72	20.93	20.69
10	16QAM	1	0	20.81	21.02	20.87
10	16QAM	1	25	20.79	20.88	20.83
10	16QAM	1				



Band 4_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20050	Power Middle Ch./Freq. 17325	Power High Ch./Freq. 1745	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.55	19.60	19.64	20.4	0
20	QPSK	1	49	19.65	19.70	19.62		
20	QPSK	1	99	19.11	19.23	19.18	20.4	0
20	QPSK	50	0	19.15	19.33	19.23		
20	QPSK	50	24	19.34	19.35	19.24	20.4	0
20	QPSK	50	50	19.13	19.30	19.22		
20	QPSK	100	0	19.32	19.36	19.17	20.4	0
20	16QAM	1	0	19.03	19.22	19.20		
20	16QAM	1	49	19.08	19.26	19.26	20.4	0
20	16QAM	1	99	19.37	19.55	19.31		
20	16QAM	50	0	19.15	19.31	19.13	20.4	0
20	16QAM	50	24	19.22	19.31	19.28		
20	16QAM	50	50	19.34	19.35	19.35	20.4	0
20	16QAM	100	0	19.24	19.33	19.31		
20	84QAM	1	0	19.25	19.37	19.37	20.4	0
20	84QAM	1	49	19.37	19.55	19.31		
20	84QAM	1	99	19.20	19.26	19.11	20.4	0
20	84QAM	50	0	19.13	19.24	19.08		
20	84QAM	50	24	19.16	19.26	19.17	20.4	0
20	84QAM	50	50	19.28	19.31	19.31		
20	84QAM	100	0	19.34	19.39	19.32	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	19.40	19.55	19.49	20.4	0
15	QPSK	1	37	19.51	19.69	19.48		
15	QPSK	1	74	19.03	19.14	19.10	20.4	0
15	QPSK	36	0	19.18	19.23	19.23		
15	QPSK	36	20	19.17	19.34	19.07	20.4	0
15	QPSK	36	39	19.37	19.15	19.06		
15	16QAM	1	0	19.26	19.34	19.27	20.4	0
15	16QAM	1	0	18.88	19.08	19.05		
15	16QAM	1	37	18.95	19.18	19.13	20.4	0
15	16QAM	1	74	18.76	18.61	18.63		
15	16QAM	36	0	19.05	19.21	19.03	20.4	0
15	16QAM	36	20	19.13	19.18	19.19		
15	16QAM	36	39	19.34	19.34	19.27	20.4	0
15	16QAM	75	0	19.09	19.22	19.16		
15	84QAM	1	0	19.24	19.35	19.36	20.4	0
15	84QAM	1	37	19.34	19.54	19.50		
15	84QAM	1	74	19.17	19.13	19.08	20.4	0
15	84QAM	36	0	19.12	19.22	19.07		
15	84QAM	36	39	19.11	19.07	19.07	20.4	0
15	84QAM	36	39	19.24	19.28	19.27		
15	84QAM	75	0	19.15	19.21	19.13	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	19.41	19.60	19.50	20.4	0
10	QPSK	1	25	19.46	19.59	19.43		
10	QPSK	1	49	19.34	19.15	19.01	20.4	0
10	QPSK	25	0	19.18	19.31	19.23		
10	QPSK	25	12	19.17	19.22	19.07	20.4	0
10	QPSK	25	25	19.13	19.12	19.22		
10	QPSK	50	0	19.14	19.24	19.99	20.4	0
10	16QAM	1	0	18.94	19.20	19.11		
10	16QAM	1	25	19.36	19.10	19.14	20.4	0
10	16QAM	1	49	19.39	19.58	19.22		
10	16QAM	25	0	19.09	19.14	19.07	20.4	0
10	16QAM	25	12	19.14	19.16	19.20		
10	16QAM	25	25	19.33	19.23	19.34	20.4	0
10	16QAM	50	0	19.17	19.15	19.24		
10	84QAM	1	0	19.19	19.29	19.31	20.4	0
10	84QAM	1	25	19.38	19.40	19.27		
10	84QAM	1	49	19.02	19.19	19.93	20.4	0
10	84QAM	25	0	19.10	19.23	19.05		
10	84QAM	25	12	19.15	19.18	19.16	20.4	0
10	84QAM	25	25	19.24	19.24	19.20		
10	84QAM	50	0	19.14	19.30	19.22	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	0	19.39	19.46	19.48	20.4	0
5	QPSK	1	12	19.53	19.64	19.50		
5	QPSK	1	24	18.99	19.15	19.06	20.4	0
5	QPSK	12	0	19.21	19.22	19.26		
5	QPSK	12	7	19.17	19.28	19.07	20.4	0
5	QPSK	12	13	19.07	19.19	19.16		
5	QPSK	25	0	19.19	19.30	19.34	20.4	0
5	16QAM	1	0	18.89	19.06	19.06		
5	16QAM	1	12	18.89	19.10	19.07	20.4	0
5	16QAM	1	24	18.78	18.57	18.65		
5	16QAM	12	0	19.07	19.31	18.95	20.4	0
5	16QAM	12	7	19.17	19.23	19.23		
5	16QAM	12	13	19.33	19.30	19.34	20.4	0
5	16QAM	25	0	19.10	19.29	19.17		
5	84QAM	1	0	19.14	19.37	19.26	20.4	0
5	84QAM	1	12	19.36	19.55	19.52		
5	84QAM	1	24	19.12	19.12	19.03	20.4	0
5	84QAM	12	0	19.11	19.06	19.06		
5	84QAM	12	7	19.12	19.07	19.12	20.4	0
5	84QAM	12	13	19.13	19.23	19.16		
5	84QAM	25	0	19.29	19.31	19.27	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3	QPSK	1	0	19.44	19.57	19.53	20.4	0
3	QPSK	1	8	19.61	19.54	19.58		
3	QPSK	1	14	19.94	19.16	19.01	20.4	0
3	QPSK	8	0	19.21	19.25	19.26		
3	QPSK	8	4	19.24	19.22	19.14	20.4	0
3	QPSK	8	7	19.09	19.12	19.18		
3	QPSK	15	0	19.26	19.32	19.11	20.4	0
3	16QAM	1	0	18.99	19.18	19.16		
3	16QAM	1	8	19.95	19.24	19.13	20.4	0
3	16QAM	1	14	18.77	18.57	18.64		
3	16QAM	8	0	19.00	19.27	19.98	20.4	0
3	16QAM	8	4	19.06	19.28	19.12		
3	16QAM	8	7	19.30	19.31	19.31	20.4	0
3	16QAM	15	0	19.23	19.21	19.30		
3	84QAM	1	0	19.17	19.30	19.29	20.4	0
3	84QAM	1	8	19.28	19.41	19.42		
3	84QAM	1	14	19.15	19.25	19.06	20.4	0
3	84QAM	8	0	18.96	19.15	19.91		
3	84QAM	8	4	19.02	19.09	19.03	20.4	0
3	84QAM	8	7	19.09	19.14	19.12		
3	84QAM	15	0	19.15	19.39	19.13	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	19.52	19.56	19.61	20.4	0
1.4	QPSK	1	3	19.59	19.61	19.56		
1.4	QPSK	1	5	19.02	19.06	19.09	20.4	0
1.4	QPSK	3	0	19.10	19.20	19.15		
1.4	QPSK	3	1	19.16	19.28	19.06	19.4	1
1.4	QPSK	3	3	19.03	19.20	19.12		
1.4	QPSK	6	0	19.23	19.17	19.08	19.4	1
1.4	16QAM	1	0	18.92	19.22	19.09		
1.4	16QAM	1	3	18.93	19.26	19.11	19.4	1
1.4	16QAM	1	5	18.69	18.58	18.56		
1.4	16QAM	3	0	19.07	19.26	19.05	19.4	2
1.4	16QAM	3	1	19.09	19.18	19.15		
1.4	16QAM	3	3	19.21	19.19	19.22	18.4	2
1.4	16QAM	6	0	19.22	19.20	19.29		
1.4	84QAM	1	0	19.23	19.23	19.35	18.4	2
1.4	84QAM	1	3	19.35	19.39	19.51		
1.4	84QAM	1	5	19.04	19.12	18.95	18.4	2
1.4	84QAM	3	0	19.12	19.15	19.07		
1.4	84QAM	3	1	19.08	19.15	19.11	17.4	3
1.4	84QAM	3	3	19.23	19.12	19.26		
1.4	84QAM	6	0	19.32	19.23	19.30	Tune-up limit (dBm)	MPR (dB)

Band 5_Ant13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20450	Power Middle Ch./Freq. 20525	Power High Ch./Freq. 20590	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.40	22.40	22.40	24	0
10	QPSK	1	25	22.80	22.99	22.94		
10	QPSK	1	49	22.81	22.42	22.80	23	1
10	QPSK	25	0	21.71	21.82	21.87		
10	QPSK	25	12	21.67	21.64	21.80	23	1
10	QPSK	25	25	21.72	21.64	21.79		
10	QPSK	50	0	21.69	21.76	21.77	23	1
10	16QAM	1	0	21.62	22.19	21.92		
10	16QAM	1	25	21.95	21.53	21.80	23	1
10	16QAM	1	49	20.79	20.82	21.00		
10	16QAM	25	0	20.83	20.89	20.82	22	2
10	16QAM	25	12	20.72	20.79	20.72		
10	16QAM	25	25	20.56	20.59			



Band 7_Ant13

BW (MHz)	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)				2510	2535	2560		
20	QPSK	1	0	22.77	22.80	22.78		
20	QPSK	1	49	23.08	23.12	22.70		
20	QPSK	1	99	22.88	22.77	22.64	24	0
20	QPSK	50	0	22.00	22.10	21.97		
20	QPSK	50	24	21.88	21.96	22.04		
20	QPSK	50	50	21.71	21.95	22.06		
20	QPSK	100	0	22.00	22.05	22.02		
20	16QAM	1	0	21.43	21.55	21.56		
20	16QAM	1	49	21.45	21.69	21.61		
20	16QAM	1	99	21.63	21.50	21.78	23	1
20	16QAM	50	0	20.73	20.99	21.08		
20	16QAM	50	24	20.41	21.05	21.00		
20	16QAM	50	50	20.66	21.06	21.00		
20	16QAM	100	0	20.54	20.89	20.93		
20	64QAM	1	0	20.84	20.88	20.90		
20	64QAM	1	49	21.34	21.34	21.40		
20	64QAM	1	99	20.90	20.86	21.04	22	2
20	64QAM	50	0	19.64	20.04	20.05		
20	64QAM	50	24	19.62	20.02	19.99		
20	64QAM	50	50	19.79	19.89	19.99		
20	64QAM	100	0	19.70	19.97	19.84		
Channel								
Frequency (MHz)				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.76	22.71	22.77		
15	QPSK	1	37	23.05	23.10	22.78	24	0
15	QPSK	1	74	22.64	22.84	22.60		
15	QPSK	36	0	22.06	22.03	22.03		
15	QPSK	36	20	21.85	21.94	22.01		
15	QPSK	36	39	21.73	21.97	22.08	23	1
15	16QAM	75	0	21.96	21.96	21.97		
15	16QAM	1	0	21.48	21.57	21.61		
15	16QAM	1	37	21.44	21.65	21.60	23	1
15	16QAM	1	74	21.67	21.55	21.82		
15	16QAM	36	0	20.81	21.08	21.16		
15	16QAM	36	20	20.51	20.96	21.10		
15	16QAM	36	39	20.59	21.08	20.93	22	2
15	16QAM	75	0	20.55	20.88	20.94		
15	64QAM	1	0	20.85	20.96	20.91		
15	64QAM	1	37	21.44	21.34	21.50	22	2
15	64QAM	1	74	20.92	20.91	21.06		
15	64QAM	36	0	19.63	20.13	20.04		
15	64QAM	36	20	19.67	20.05	20.04		
15	64QAM	36	39	19.79	19.89	19.99	21	3
15	64QAM	75	0	19.65	19.94	19.79		
Channel								
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.73	22.76	22.74		
10	QPSK	1	25	23.11	23.10	22.73	24	0
10	QPSK	1	49	22.66	22.71	22.62		
10	QPSK	25	0	22.06	22.10	22.03		
10	QPSK	25	12	21.84	21.97	22.00		
10	QPSK	25	25	21.66	21.94	22.01		
10	QPSK	50	0	21.82	21.97	21.94		
10	16QAM	1	0	21.45	21.58	21.58		
10	16QAM	1	25	21.52	21.62	21.68	23	1
10	16QAM	1	49	21.71	21.41	21.86		
10	16QAM	25	0	20.66	20.94	21.01		
10	16QAM	25	12	20.40	21.14	20.99		
10	16QAM	25	25	20.60	21.02	20.94		
10	16QAM	50	0	20.57	20.99	20.96		
10	64QAM	1	0	20.91	20.80	20.97		
10	64QAM	1	25	21.34	21.31	21.40		
10	64QAM	1	49	20.99	20.88	21.13	22	2
10	64QAM	25	0	19.55	19.95	19.96		
10	64QAM	25	12	19.56	20.12	19.93		
10	64QAM	25	25	19.84	19.90	20.04		
10	64QAM	50	0	19.63	20.05	19.77		
Channel								
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.75	22.82	22.75		
5	QPSK	1	12	23.01	23.05	22.63	24	0
5	QPSK	1	24	22.66	22.81	22.62		
5	QPSK	12	0	21.87	22.14	21.94		
5	QPSK	12	7	21.86	21.91	22.02		
5	QPSK	12	13	21.64	22.03	21.99	23	1
5	QPSK	25	0	21.96	22.04	21.98		
5	16QAM	1	0	21.50	21.47	21.63		
5	16QAM	1	12	21.50	21.60	21.66	23	1
5	16QAM	1	24	21.70	21.50	21.85		
5	16QAM	12	0	20.74	20.91	21.09		
5	16QAM	12	7	20.39	20.96	20.98		
5	16QAM	12	13	20.52	21.11	20.96	22	2
5	16QAM	25	0	20.82	20.94	21.01		
5	64QAM	1	0	20.82	20.86	20.88		
5	64QAM	1	12	21.41	21.32	21.47	22	2
5	64QAM	1	24	20.67	20.93	21.01		
5	64QAM	12	0	19.60	20.00	20.01		
5	64QAM	12	7	19.59	20.00	19.99		
5	64QAM	12	13	19.80	19.80	20.00	21	3
5	64QAM	25	0	19.65	19.98	19.79		

Band 7_Ant31

BW (MHz)	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)				2510	2535	2560		
20	QPSK	1	0	18.83	18.91	18.98		
20	QPSK	1	49	17.10	17.24	17.15		
20	QPSK	1	99	16.94	17.06	16.94	17.7	0
20	QPSK	50	0	16.89	16.92	16.90		
20	QPSK	50	24	16.86	16.90	16.85		
20	QPSK	50	50	16.85	16.89	16.73		
20	QPSK	100	0	16.87	16.89	16.71		
20	16QAM	1	0	16.53	16.65	16.51		
20	16QAM	1	49	16.72	16.73	16.62		
20	16QAM	1	99	16.45	16.51	16.40	17.7	0
20	16QAM	50	0	16.88	17.02	16.99		
20	16QAM	50	24	16.96	17.01	16.98		
20	16QAM	50	50	16.93	16.98	16.84		
20	16QAM	100	0	16.92	16.94	16.81		
20	64QAM	1	0	16.72	16.80	16.80		
20	64QAM	1	49	17.03	17.13	17.12		
20	64QAM	1	99	16.72	16.88	16.70	17.7	0
20	64QAM	50	0	16.84	16.91	16.74		
20	64QAM	50	24	16.90	17.00	16.97		
20	64QAM	50	50	16.81	16.97	16.86		
20	64QAM	100	0	16.92	17.04	16.85		
Channel								
Frequency (MHz)				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	16.75	16.91	16.90		
15	QPSK	1	37	17.03	17.16	17.08	17.7	0
15	QPSK	1	74	16.86	17.02	16.86		
15	QPSK	36	0	16.75	16.83	16.76		
15	QPSK	36	20	16.73	16.79	16.72		
15	QPSK	36	39	16.67	16.70	16.55	17.7	0
15	16QAM	75	0	16.69	16.80	16.53		
15	16QAM	1	0	16.53	16.49	16.51		
15	16QAM	1	37	16.71	16.56	16.61	17.7	0
15	16QAM	1	74	16.28	16.46	16.23		
15	16QAM	36	0	16.84	16.88	16.95		
15	16QAM	36	20	16.88	16.92	16.90		
15	16QAM	36	39	16.87	16.92	16.74	17.7	0
15	16QAM	75	0	16.79	16.80	16.68		
15	64QAM	1	0	16.72	16.66	16.80		
15	64QAM	1	37	16.93	17.04	17.02	17.7	0
15	64QAM	1	74	16.63	16.85	16.61		
15	64QAM	36	0	16.81	16.80	16.71		
15	64QAM	36	20	16.87	16.92	16.84		
15	64QAM	36	39	16.76	16.84	16.81	17.7	0
15	64QAM	75	0	16.84	16.89	16.77		
Channel								
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	16.79	16.74	16.94		
10	QPSK	1	25	17.00	17.23	17.05	17.7	0
10	QPSK	1	49	16.91	16.84	16.91		
10	QPSK	25	0	16.86	16.97	16.87		
10	QPSK	25	12	16.67	16.87	16.66		
10	QPSK	25	25	16.70	16.84	16.58		
10	QPSK	50	0	16.81	16.77	16.65		
10	16QAM	1	0	16.47	16.53	16.45		
10	16QAM	1	25	16.58	16.68	16.48	17.7	0
10	16QAM							



Band 13_Ant31

BW (MHz)	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	21.58	21.58	21.58	23.3	0
10	QPSK	1	25	21.92	21.92	21.92		
10	QPSK	1	49	21.83	21.83	21.83		
10	QPSK	25	0	20.95	20.95	20.95	22.3	1
10	QPSK	25	12	20.85	20.85	20.85		
10	QPSK	25	25	20.95	20.95	20.95		
10	QPSK	50	0	20.98	20.98	20.98	22.3	1
10	16QAM	1	0	21.03	21.03	21.03		
10	16QAM	1	25	20.99	20.99	20.99		
10	16QAM	1	49	20.56	20.56	20.56	21.3	2
10	16QAM	25	0	19.95	19.95	19.95		
10	16QAM	25	12	20.08	20.08	20.08		
10	16QAM	25	25	19.92	19.92	19.92	21.3	2
10	16QAM	50	0	20.05	20.05	20.05		
10	64QAM	1	0	19.88	19.88	19.88		
10	64QAM	1	25	19.96	19.96	19.96	21.3	2
10	64QAM	1	49	19.98	19.98	19.98		
10	64QAM	25	0	18.94	18.94	18.94		
10	64QAM	25	12	18.80	18.80	18.80	20.3	3
10	64QAM	25	25	18.86	18.86	18.86		
10	64QAM	50	0	18.96	18.96	18.96		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.64	21.55	21.57	23.3	0
5	QPSK	1	12	21.83	21.79	21.75		
5	QPSK	1	24	21.75	21.82	21.72		
5	QPSK	12	0	20.85	20.86	20.80	22.3	1
5	QPSK	12	7	20.96	20.89	20.91		
5	QPSK	12	13	21.00	21.05	20.93		
5	QPSK	25	0	20.97	20.91	21.94	22.3	1
5	16QAM	1	0	21.06	21.05	20.99		
5	16QAM	1	12	20.91	20.98	20.86		
5	16QAM	1	24	20.58	20.60	20.57	21.3	2
5	16QAM	12	0	19.96	19.90	19.91		
5	16QAM	12	7	19.99	20.01	20.05		
5	16QAM	12	13	20.01	20.06	19.98	21.3	2
5	16QAM	25	0	19.99	20.06	19.90		
5	64QAM	1	0	19.87	19.94	19.84		
5	64QAM	1	12	20.07	20.08	20.12	21.3	2
5	64QAM	1	24	20.05	19.95	20.09		
5	64QAM	12	0	18.88	19.06	18.97		
5	64QAM	12	7	18.87	18.86	18.80	20.3	3
5	64QAM	12	13	18.84	18.92	18.93		
5	64QAM	25	0	19.05	18.92	18.90		

Band 26_Ant13

BW (MHz)	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)								
15	QPSK	1	0	22.83	22.61	22.99	24	0
15	QPSK	1	37	23.22	23.28	23.25		
15	QPSK	1	74	23.05	22.76	23.01		
15	QPSK	36	0	21.91	22.15	22.98	23	1
15	QPSK	36	20	21.99	21.94	22.10		
15	QPSK	36	39	22.03	22.04	22.10		
15	QPSK	75	0	22.03	22.05	22.00	23	1
15	16QAM	1	0	21.79	21.70	21.80		
15	16QAM	1	37	22.08	22.00	22.15		
15	16QAM	1	74	21.52	21.68	21.85	22	2
15	16QAM	36	0	20.72	20.76	20.95		
15	16QAM	36	20	20.87	20.82	21.10		
15	16QAM	36	39	20.82	20.96	21.01	22	2
15	16QAM	75	0	21.01	20.97	20.95		
15	64QAM	1	0	20.90	20.83	21.24		
15	64QAM	1	37	20.88	21.13	21.20	22	2
15	64QAM	1	74	20.97	21.00	20.94		
15	64QAM	36	0	20.00	19.93	20.06		
15	64QAM	36	20	19.89	20.00	20.21	21	3
15	64QAM	36	39	20.08	20.06	19.96		
15	64QAM	75	0	19.96	20.09	20.36		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.74	22.59	22.90	24	0
10	QPSK	1	25	23.13	23.10	23.16		
10	QPSK	1	49	22.90	22.62	22.86		
10	QPSK	25	0	21.73	22.02	21.90	23	1
10	QPSK	25	12	21.94	21.88	22.05		
10	QPSK	25	25	21.97	21.90	22.04		
10	QPSK	50	0	22.09	22.10	22.00	23	1
10	16QAM	1	0	21.60	21.63	21.61		
10	16QAM	1	25	21.97	21.95	22.04		
10	16QAM	1	49	21.53	21.73	21.82	22	2
10	16QAM	25	0	20.53	20.63	20.76		
10	16QAM	25	12	20.87	20.72	21.10		
10	16QAM	25	25	20.85	20.92	20.84	22	2
10	16QAM	50	0	21.01	20.97	20.95		
10	64QAM	1	0	20.80	20.73	21.14		
10	64QAM	1	25	20.87	21.05	21.19	22	2
10	64QAM	1	49	20.79	20.91	20.76		
10	64QAM	25	0	19.85	19.83	19.91		
10	64QAM	25	12	19.85	19.80	19.84	21	3
10	64QAM	25	25	19.88	20.00	19.88		
10	64QAM	50	0	19.80	20.06	20.20		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.75	22.46	22.91	24	0
5	QPSK	1	12	23.09	23.11	23.12		
5	QPSK	1	24	22.91	22.62	22.87		
5	QPSK	12	0	21.73	22.10	21.90	23	1
5	QPSK	12	7	21.83	21.82	21.94		
5	QPSK	12	13	21.84	21.88	21.91		
5	QPSK	25	0	22.02	21.91	21.99	23	1
5	16QAM	1	0	21.88	21.61	21.69		
5	16QAM	1	12	22.01	21.81	22.08		
5	16QAM	1	24	21.50	21.80	21.79	22	2
5	16QAM	12	0	20.57	20.69	20.80		
5	16QAM	12	7	20.69	20.65	20.92		
5	16QAM	12	13	20.81	20.88	21.00	22	2
5	16QAM	25	0	20.93	20.90	20.87		
5	64QAM	1	0	20.73	20.78	21.07		
5	64QAM	1	12	20.70	21.12	21.02	22	2
5	64QAM	1	24	20.95	20.82	20.92		
5	64QAM	12	0	19.89	19.86	19.95		
5	64QAM	12	7	19.73	19.86	20.05	21	3
5	64QAM	12	13	20.00	19.93	19.88		
5	64QAM	25	0	19.94	20.00	20.34		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.64	22.49	22.80	24	0
3	QPSK	1	8	23.15	23.11	23.18		
3	QPSK	1	14	22.93	22.66	22.89		
3	QPSK	8	0	21.73	22.05	21.90	23	1
3	QPSK	8	4	21.90	21.76	22.01		
3	QPSK	8	7	21.93	21.96	22.00		
3	QPSK	15	0	21.67	21.60	21.84	23	1
3	16QAM	1	0	21.65	21.59	21.66		
3	16QAM	1	8	22.02	21.83	22.09		
3	16QAM	1	14	21.49	21.75	21.78	22	2
3	16QAM	8	0	20.70	20.69	20.93		
3	16QAM	8	4	20.72	20.70	20.95		
3	16QAM	8	7	20.65	20.90	20.84	22	2
3	16QAM	15	0	20.85	20.81	20.79		
3	64QAM	1	0	20.76	20.77	21.10		
3	64QAM	1	8	20.83	21.03	21.15	22	2
3	64QAM	1	14	20.95	20.96	20.92		
3	64QAM	8	0	19.95	19.88	20.02		
3	64QAM	8	4	19.75	20.00	20.07	21	3
3	64QAM	8	7	19.93	19.89	19.81		
3	64QAM	15	0	19.77	20.07	20.17		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.82	22.51	22.98	24	0
1.4	QPSK	1	3	23.06	23.20	23.09		
1.4	QPSK	1	5	22.89	22.74	22.85		
1.4	QPSK	3	0	22.79	23.08	22.96	23	1
1.4	QPSK	3	1	22.93	22.82	23.04		
1.4	QPSK	3	3	23.02	22.94	23.09		
1.4	QPSK	6	0	21.94	21.94	21.91	23	1
1.4	16QAM	1	0	21.68	21.56	21.69		
1.4	16QAM	1	3	21.89	21.88	21.96		
1.4	16QAM	1	5	21.51	21.78	21.90	23	1
1.4	16QAM	3	0	21.59	21.72	21.82		
1.4	16QAM	3	1	21.79	21.78	22.02		
1.4	16QAM	3	3	21.63	21.91	21.82	22	2
1.4	16QAM	6	0	20.92	20.88	20.86		
1.4	64QAM	1	0	20.71	20.74	21.05		
1.4	64QAM	1	3	20.85	21.12	21.17	22	2
1.4	64QAM	1	5	20.82	20.90	20.79		
1.4	64QAM	3	0	20.97	20.91	21.03		
1.4	64QAM	3	1	20.87	20.89	21.19	21	3
1.4	64QAM	3	3	21.08	21.02	20.96		
1.4	64QAM	6	0	19.83	19.88	20.23		



Band 66_Ant13									
BW (MHz)	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)				1720	1745	1770			
20	QPSK	1	0	22.58	22.87	22.53			
20	QPSK	1	49	22.90	23.16	22.72			
20	QPSK	1	99	22.59	23.05	22.48	24	0	
20	QPSK	50	0	21.96	22.16	21.85			
20	QPSK	50	24	21.94	22.16	21.75			
20	QPSK	50	50	21.97	22.14	21.68	23	1	
20	QPSK	100	0	21.88	22.21	21.79			
20	16QAM	1	0	21.75	22.14	21.75			
20	16QAM	1	49	21.89	21.83	21.70	23	1	
20	16QAM	1	99	21.77	21.95	21.68			
20	16QAM	50	0	20.86	20.98	20.86			
20	16QAM	50	24	20.95	21.11	20.79			
20	16QAM	50	50	20.95	21.21	20.75	22	2	
20	16QAM	100	0	20.89	21.18	20.78			
20	64QAM	1	0	21.00	21.26	21.09			
20	64QAM	1	49	21.35	21.46	21.30			
20	64QAM	1	99	21.01	21.47	20.88	22	2	
20	64QAM	50	0	19.80	20.20	19.83			
20	64QAM	50	24	19.88	20.12	19.67			
20	64QAM	50	50	19.91	20.10	19.82	21	3	
20	64QAM	100	0	19.91	20.15	19.92			
Channel									
Frequency (MHz)				1720.47	1745.92	1770.37	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.47	22.87	22.42	24	0	
15	QPSK	1	37	22.71	23.13	22.53			
15	QPSK	1	74	22.54	22.88	22.43			
15	QPSK	36	0	21.82	22.14	21.71			
15	QPSK	36	20	21.80	22.00	21.61	23	1	
15	QPSK	36	39	21.95	22.09	21.86			
15	QPSK	79	0	21.83	22.16	21.74			
15	16QAM	1	0	21.70	22.14	21.70			
15	16QAM	1	37	21.58	21.81	21.59	23	1	
15	16QAM	1	74	21.76	21.83	21.87			
15	16QAM	36	0	20.83	20.94	20.83			
15	16QAM	36	20	20.92	21.02	20.76	22	2	
15	16QAM	36	39	20.95	21.21	20.75			
15	16QAM	75	0	20.84	21.09	20.73			
15	64QAM	1	0	20.88	21.08	20.97			
15	64QAM	1	37	21.27	21.33	21.22	22	2	
15	64QAM	1	74	20.83	21.36	20.70			
15	64QAM	36	0	19.61	20.06	19.64			
15	64QAM	36	20	19.70	20.10	19.68			
15	64QAM	36	39	19.91	20.08	19.82	21	3	
15	64QAM	75	0	19.81	20.07	19.82			
Channel									
Frequency (MHz)				1715.5	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.56	22.72	22.51	24	0	
10	QPSK	1	25	22.77	23.06	22.59			
10	QPSK	1	49	22.44	22.97	22.33			
10	QPSK	25	0	21.78	22.14	21.67			
10	QPSK	25	12	21.79	21.98	21.60	23	1	
10	QPSK	25	25	21.82	22.04	21.53			
10	QPSK	50	0	21.71	22.05	21.62			
10	16QAM	1	0	21.73	22.12	21.73	23	1	
10	16QAM	1	25	21.56	21.77	21.57			
10	16QAM	1	49	21.55	21.78	21.78			
10	16QAM	25	0	20.83	20.98	20.83			
10	16QAM	25	12	20.87	20.98	20.71	22	2	
10	16QAM	25	25	20.78	21.06	20.58			
10	16QAM	50	0	20.70	21.04	20.59			
10	64QAM	1	0	20.87	21.08	20.96			
10	64QAM	1	25	21.18	21.28	21.13	22	2	
10	64QAM	1	49	20.96	21.43	20.86			
10	64QAM	25	0	19.67	20.03	19.70			
10	64QAM	25	12	19.79	20.02	19.58	21	3	
10	64QAM	25	25	19.83	19.99	19.74			
10	64QAM	50	0	19.91	20.11	19.92			
Channel									
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.46	22.70	22.41	24	0	
5	QPSK	1	12	22.71	23.12	22.53			
5	QPSK	1	24	22.40	22.87	22.29			
5	QPSK	12	0	21.83	22.17	21.72			
5	QPSK	12	7	21.78	22.09	21.59	23	1	
5	QPSK	12	13	21.85	21.97	21.36			
5	QPSK	25	0	21.88	22.16	21.79			
5	16QAM	1	0	21.67	22.01	21.67			
5	16QAM	1	12	21.60	21.76	21.61	23	1	
5	16QAM	1	24	21.76	21.95	21.87			
5	16QAM	12	0	20.78	20.98	20.78			
5	16QAM	12	7	20.89	21.05	20.73	22	2	
5	16QAM	12	13	20.91	21.07	20.71			
5	16QAM	25	0	20.83	21.03	20.72			
5	64QAM	1	0	20.83	21.19	20.92			
5	64QAM	1	12	21.28	21.32	21.23	22	2	
5	64QAM	1	24	20.99	21.33	20.86			
5	64QAM	12	0	19.79	20.11	19.82			
5	64QAM	12	7	19.79	20.11	19.88			
5	64QAM	12	13	19.75	19.95	19.66	21	3	
5	64QAM	25	0	19.81	20.14	19.82			
Channel									
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.44	22.72	22.39	24	0	
3	QPSK	1	8	22.71	23.11	22.53			
3	QPSK	1	14	22.54	23.03	22.43			
3	QPSK	8	0	21.86	22.15	21.75			
3	QPSK	8	4	21.81	22.09	21.62	23	1	
3	QPSK	8	7	21.94	22.06	21.65			
3	QPSK	15	0	21.71	22.14	21.62			
3	16QAM	1	0	21.60	22.03	21.60	23	1	
3	16QAM	1	8	21.52	21.81	21.53			
3	16QAM	1	14	21.76	21.85	21.87			
3	16QAM	8	0	20.86	20.87	20.86			
3	16QAM	8	4	20.76	20.92	20.60	22	2	
3	16QAM	8	7	20.87	21.08	20.67			
3	16QAM	15	0	20.80	21.02	20.69			
3	64QAM	1	0	20.86	21.25	20.95	22	2	
3	64QAM	1	8	21.21	21.25	21.16			
3	64QAM	1	14	20.83	21.28	20.70			
3	64QAM	8	0	19.73	20.09	19.78			
3	64QAM	8	4	19.72	20.02	19.51	21	3	
3	64QAM	8	7	19.90	19.91	19.81			
3	64QAM	15	0	19.79	19.95	19.80			
Channel									
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.51	22.75	22.46	24	0	
1.4	QPSK	1	3	22.81	23.07	22.63			
1.4	QPSK	1	5	22.45	22.94	22.34			
1.4	QPSK	3	0	22.80	23.04	22.69			
1.4	QPSK	3	1	22.76	23.03	22.57			
1.4	QPSK	3	3	22.90	22.95	22.61	23	1	
1.4	QPSK	6	0	21.73	22.09	21.64			
1.4	16QAM	1	0	21.70	22.13	21.70			
1.4	16QAM	1	3	21.65	21.81	21.66			
1.4	16QAM	1	5	21.76	21.95	21.87	23	1	
1.4	16QAM	3	0	21.80	21.83	21.80			
1.4	16QAM	3	1	21.87	21.98	21.71			
1.4	16QAM	3	3	21.80	22.14	21.60			
1.4	16QAM	6	0	20.76	20.99	20.65	22	2	
1.4	64QAM	1	0	20.89	21.24	20.98			
1.4	64QAM	1	3	21.25	21.33	21.20			
1.4	64QAM	1	5	20.92	21.32	20.79	22	2	
1.4	64QAM	3	0	20.75	21.19	20.78			
1.4	64QAM	3	1	20.87	21.06	20.66			
1.4	64QAM	3	3	20.85	20.92	20.76			
1.4	64QAM	6	0	19.72	20.12	19.73	21	3	

Band 66_Ant31									
BW (MHz)	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)				1720	1745	1770			
20	QPSK	1	0	20.37	20.65	20.38			
20	QPSK	1	49	20.50	20.66				



Band 38_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.51	22.20	22.35			
20	QPSK	1	49	22.51	22.63	22.41	23.8	0	
20	QPSK	1	99	22.52	22.31	22.55			
20	QPSK	50	0	21.99	22.14	21.86			
20	QPSK	50	24	22.08	21.93	21.87	23.3	0.5	
20	QPSK	50	50	21.96	21.98	21.99			
20	QPSK	100	0	22.03	22.12	22.06			
20	16QAM	1	0	21.40	21.35	21.58			
20	16QAM	1	49	21.67	21.38	21.59	23.3	0.5	
20	16QAM	1	99	21.71	21.47	21.58			
20	16QAM	50	0	21.15	20.88	21.00			
20	16QAM	50	24	21.29	20.95	21.40			
20	16QAM	50	50	21.29	20.79	21.32	22.3	1.5	
20	16QAM	100	0	21.12	20.80	20.87			
20	64QAM	1	0	20.78	20.91	20.93			
20	64QAM	1	49	21.32	21.16	21.25	22.3	1.5	
20	64QAM	1	99	21.02	21.10	21.11			
20	64QAM	50	0	21.07	20.73	20.87			
20	64QAM	50	24	21.04	20.84	21.01			
20	64QAM	50	50	20.74	20.88	20.90	21.3	2.5	
20	64QAM	100	0	20.37	20.92	20.95			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775	2595	2612.5			
15	QPSK	1	0	22.36	22.09	22.33	23.8	0	
15	QPSK	1	37	22.47	22.58	22.33			
15	QPSK	1	74	22.45	22.27	22.45			
15	QPSK	36	0	21.96	22.07	21.79			
15	QPSK	36	20	21.97	21.88	21.83	23.3	0.5	
15	QPSK	36	39	21.90	21.96	21.90			
15	QPSK	75	0	21.97	22.06	21.98			
15	16QAM	1	0	21.33	21.33	21.52			
15	16QAM	1	37	21.59	21.38	21.49	23.3	0.5	
15	16QAM	1	74	21.61	21.39	21.46			
15	16QAM	36	0	21.09	20.79	20.91			
15	16QAM	36	20	21.22	20.83	21.36			
15	16QAM	36	39	21.19	20.70	21.29	22.3	1.5	
15	16QAM	75	0	21.01	20.69	20.79			
15	64QAM	1	0	20.72	20.82	20.81			
15	64QAM	1	37	21.23	21.07	21.17	22.3	1.5	
15	64QAM	1	74	20.97	21.04	21.08			
15	64QAM	36	0	21.05	20.69	20.85			
15	64QAM	36	20	20.93	20.78	20.97	21.3	2.5	
15	64QAM	36	39	20.85	20.78	20.87			
15	64QAM	75	0	20.35	20.84	20.88			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25725	2595	2615			
10	QPSK	1	0	22.49	22.12	22.29	23.8	0	
10	QPSK	1	25	22.49	22.55	22.33			
10	QPSK	1	49	22.43	22.27	22.46			
10	QPSK	25	0	21.97	22.09	21.82			
10	QPSK	25	12	22.02	21.88	21.85	23.3	0.5	
10	QPSK	25	25	21.87	21.96	21.90			
10	QPSK	50	0	22.03	22.09	21.96			
10	16QAM	1	0	21.30	21.31	21.58			
10	16QAM	1	25	21.59	21.34	21.55	23.3	0.5	
10	16QAM	1	49	21.61	21.42	21.52			
10	16QAM	25	0	21.11	20.83	20.90			
10	16QAM	25	12	21.22	20.86	21.39			
10	16QAM	25	25	21.29	20.72	21.23	22.3	1.5	
10	16QAM	50	0	21.11	20.77	20.85			
10	64QAM	1	0	20.78	20.89	20.87			
10	64QAM	1	25	21.51	21.11	21.20	22.3	1.5	
10	64QAM	1	49	20.97	21.05	21.07			
10	64QAM	25	0	21.05	20.67	20.84			
10	64QAM	25	12	21.03	20.80	21.00			
10	64QAM	25	25	20.72	20.82	20.83	21.3	2.5	
10	64QAM	50	0	20.33	20.82	20.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25725	2595	2617.5			
5	QPSK	1	0	22.50	22.19	22.31	23.8	0	
5	QPSK	1	12	22.51	22.55	22.41			
5	QPSK	1	24	22.42	22.22	22.52			
5	QPSK	12	0	21.96	22.06	21.82			
5	QPSK	12	7	22.00	21.85	21.86	23.3	0.5	
5	QPSK	12	13	21.89	21.88	21.92			
5	QPSK	25	0	22.02	22.03	22.04			
5	16QAM	1	0	21.39	21.32	21.51			
5	16QAM	1	12	21.65	21.33	21.50	23.3	0.5	
5	16QAM	1	24	21.65	21.45	21.53			
5	16QAM	12	0	21.05	20.79	20.93			
5	16QAM	12	7	21.29	20.82	21.32	22.3	1.5	
5	16QAM	12	13	21.20	20.72	21.30			
5	16QAM	25	0	21.07	20.70	20.81			
5	64QAM	1	0	20.76	20.89	20.85			
5	64QAM	1	12	21.26	21.14	21.17	22.3	1.5	
5	64QAM	1	24	21.01	21.09	21.10			
5	64QAM	12	0	21.00	20.66	20.78			
5	64QAM	12	7	21.02	20.79	20.96	21.3	2.5	
5	64QAM	12	13	20.94	20.79	20.83			
5	64QAM	25	0	20.29	20.92	20.86			

Band 38_Ant 31									
BW [MHz]	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)				2590	2595	2610			
20	QPSK	1	0	18.75	18.72	18.80			
20	QPSK	1	49	18.10	18.20	18.05	19.6	0	
20	QPSK	1	99	18.60	18.70	18.56			
20	QPSK	50	0	18.70	18.75	18.66			
20	QPSK	50	24	18.52	18.61	18.48	19.6	0	
20	QPSK	50	50	18.59	18.66	18.61			
20	QPSK	100	0	18.81	18.90	18.81			
20	16QAM	1	0	18.62	18.70	18.51			
20	16QAM	1	49	18.46	18.60	18.58	19.6	0	
20	16QAM	1	99	18.67	18.68	18.55			
20	16QAM	50	0	18.67	18.76	18.71			
20	16QAM	50	24	18.52	18.61	18.47	19.6	0	
20	16QAM	50	50	18.51	18.65	18.59			
20	16QAM	100	0	18.48	18.60	18.42			
20	64QAM	1	0	18.68	18.70	18.58			
20	64QAM	1	49	18.55	18.68	18.51	19.6	0	
20	64QAM	1	99	18.56	18.72	18.58			
20	64QAM	50	0	18.66	18.67	18.52			
20	64QAM	50	24	18.51	18.60	18.43	19.6	0	
20	64QAM	50	50	18.53	18.72	18.58			
20	64QAM	100	0	18.67	18.69	18.51			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.59	18.65	18.64	19.6	0	
15	QPSK	1	37	18.98	19.06	18.93			
15	QPSK	1	74	18.55	18.52	18.51			
15	QPSK	36	0	18.60	18.61	18.56			
15	QPSK	36	20	18.47	18.45	18.43	19.6	0	
15	QPSK	36	39	18.54	18.56	18.56			
15	QPSK	75	0	18.80	18.74	18.80			
15	16QAM	1	0	18.60	18.67	18.49			
15	16QAM	1	37	18.45	18.44	18.57	19.6	0	
15	16QAM	1	74	18.58	18.51	18.46			
15	16QAM	36	0	18.49	18.63	18.53			
15	16QAM	36	20	18.51	18.59	18.46	19.6	0	
15	16QAM	36	39	18.40	18.59	18.48			
15	16QAM	75	0	18.32	18.58	18.26			
15	64QAM	1	0	18.57	18.70	18.47			
15	64QAM	1	37	18.40	18.63	18.36	19.6	0	
15	64QAM	1	74	18.55	18.72	18.57			
15	64QAM	36	0	18.49	18.53	18.35			
15	64QAM	36	20	18.42	18.47	18.34	19.6	0	



Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	22.29	22.46	22.23	22.23	23.8	0
20	QPSK	1	49	22.77	22.76	22.53	22.73		
20	QPSK	1	99	22.34	22.55	22.36	22.21	23.3	0.5
20	QPSK	50	0	22.22	22.33	21.92	22.26		
20	QPSK	50	24	22.30	22.21	21.91	22.12	23.3	0.5
20	QPSK	50	50	22.29	22.28	21.84	22.32		
20	16QAM	100	0	22.14	22.29	22.25	22.09	22.3	1.5
20	16QAM	1	0	21.39	21.38	21.49	21.43		
20	16QAM	1	49	21.96	21.97	21.78	21.85	23.3	0.5
20	16QAM	1	99	21.77	21.80	21.60	21.62		
20	16QAM	50	0	21.21	21.38	20.96	21.02	22.3	1.5
20	16QAM	50	24	21.22	21.50	21.05	21.15		
20	16QAM	50	50	21.24	21.29	20.87	21.05	22.3	1.5
20	16QAM	100	0	21.16	21.65	21.40	20.99		
20	64QAM	1	0	20.56	20.70	20.62	20.56	22.3	1.5
20	64QAM	1	49	20.85	21.03	21.05	21.05		
20	64QAM	1	99	20.84	20.69	20.55	20.60	21.3	2.5
20	64QAM	50	0	20.16	20.35	19.97	20.07		
20	64QAM	50	24	20.25	20.25	20.45	20.20	21.3	2.5
20	64QAM	50	50	20.27	20.62	20.17	20.14		
20	64QAM	100	0	20.38	20.49	20.13	20.13		
Channel				40115	40395	40665	41165		
Frequency (MHz)				2542.5	2567.5	2592.5	2642.5		
15	QPSK	1	0	22.25	22.46	22.16	22.15	23.8	0
15	QPSK	1	37	22.78	22.77	22.52	22.70		
15	QPSK	1	74	22.33	22.51	22.31	22.18	23.3	0.5
15	QPSK	36	0	21.62	21.72	21.55	21.63		
15	QPSK	36	20	21.75	21.62	21.30	21.47	23.3	0.5
15	QPSK	36	39	21.63	21.58	21.49	21.68		
15	QPSK	75	0	21.60	21.64	21.85	21.49	23.3	0.5
15	16QAM	1	0	21.39	21.49	21.35	21.37		
15	16QAM	1	37	21.46	21.40	21.44	21.46	22.3	1.5
15	16QAM	1	74	21.31	21.31	21.39	21.37		
15	16QAM	36	0	20.67	20.86	20.42	20.46	22.3	1.5
15	16QAM	36	20	20.60	20.91	20.50	20.66		
15	16QAM	36	39	20.65	20.84	20.38	20.62	22.3	1.5
15	16QAM	75	0	20.70	21.13	20.84	20.44		
15	64QAM	1	0	20.44	20.45	20.31	20.34	22.3	1.5
15	64QAM	1	37	21.46	20.49	20.57	20.59		
15	64QAM	1	74	20.31	20.35	20.39	20.40	21.3	2.5
15	64QAM	36	0	19.63	19.69	19.45	19.53		
15	64QAM	36	20	19.80	19.69	19.95	19.64	21.3	2.5
15	64QAM	36	39	19.79	20.13	19.65	19.59		
15	64QAM	75	0	19.86	19.91	19.61	19.61		
Channel				40650	40930	41200	41160		
Frequency (MHz)				2550	2570	2590	2650		
10	QPSK	1	0	22.25	22.37	22.24	22.20	23.8	0
10	QPSK	1	25	22.68	22.71	22.47	22.69		
10	QPSK	1	49	22.35	22.56	22.34	22.13	23.3	0.5
10	QPSK	25	0	21.62	21.77	21.32	21.71		
10	QPSK	25	12	21.69	21.59	21.59	21.55	23.3	0.5
10	QPSK	25	25	21.61	21.59	21.54	21.67		
10	QPSK	50	0	21.52	21.74	21.64	21.39	23.3	0.5
10	16QAM	1	0	21.47	21.39	21.39	21.39		
10	16QAM	1	25	21.47	21.42	21.48	21.43	22.3	1.5
10	16QAM	1	49	21.39	21.36	21.42	21.38		
10	16QAM	25	0	20.63	20.92	20.47	20.56	22.3	1.5
10	16QAM	25	12	20.69	20.97	20.51	20.65		
10	16QAM	25	25	20.69	20.84	20.30	20.63	22.3	1.5
10	16QAM	50	0	20.69	21.10	20.78	20.52		
10	64QAM	1	0	20.35	20.42	20.30	20.39	22.3	1.5
10	64QAM	1	25	21.48	20.50	20.52	20.49		
10	64QAM	1	49	20.37	20.40	20.43	20.44	21.3	2.5
10	64QAM	25	0	19.70	19.72	19.50	19.54		
10	64QAM	25	12	19.74	19.71	19.91	19.85	21.3	2.5
10	64QAM	25	25	19.75	20.09	19.68	19.64		
10	64QAM	50	0	19.67	19.69	19.55	19.65		
Channel				40935	41215	41485	41215		
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	22.26	22.46	22.22	22.14	23.8	0
5	QPSK	1	12	22.68	22.74	22.53	22.66		
5	QPSK	1	24	22.34	22.46	22.35	22.20	23.3	0.5
5	QPSK	12	0	21.62	21.77	21.59	21.70		
5	QPSK	12	7	21.71	21.56	21.31	21.49	23.3	0.5
5	QPSK	12	13	21.66	21.67	21.55	21.72		
5	QPSK	25	0	21.59	21.68	21.67	21.41	23.3	0.5
5	16QAM	1	0	21.40	21.48	21.37	21.41		
5	16QAM	1	12	21.39	21.43	21.48	21.48	22.3	1.5
5	16QAM	1	24	21.38	21.32	21.38	21.42		
5	16QAM	12	0	20.64	20.86	20.43	20.56	22.3	1.5
5	16QAM	12	7	20.59	20.98	20.52	20.67		
5	16QAM	12	13	20.73	20.81	20.32	20.58	22.3	1.5
5	16QAM	25	0	20.60	21.11	20.87	20.46		
5	64QAM	1	0	20.41	20.48	20.39	20.36	22.3	1.5
5	64QAM	1	12	20.44	20.51	20.51	20.56		
5	64QAM	1	24	20.39	20.36	20.37	20.44	21.3	2.5
5	64QAM	12	0	19.62	19.68	19.40	19.52		
5	64QAM	12	7	19.79	19.70	19.89	19.72	21.3	2.5
5	64QAM	12	13	19.74	20.10	19.64	19.60		
5	64QAM	25	0	19.88	19.95	19.57	19.63		

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.75	21.62	21.70	21.69	23.1	0
20	QPSK	1	49	21.90	22.05	21.83	21.86		
20	QPSK	1	99	21.53	21.67	21.62	21.51	23.1	0
20	QPSK	50	0	21.90	22.06	21.98	22.05		
20	QPSK	50	24	21.84	22.00	21.92	21.83	23.1	0
20	QPSK	50	50	21.71	21.75	21.59	21.57		
20	16QAM	100	0	21.66	21.83	21.70	21.65	23.1	0
20	16QAM	1	0	21.53	21.64	21.61	21.48		
20	16QAM	1	49	21.86	21.92	21.90	21.86	23.1	0
20	16QAM	1	99	21.45	21.49	21.30	21.43		
20	16QAM	50	0	21.30	21.42	21.26	21.39	22.1	1
20	16QAM	50	24	21.27	21.32	21.20	21.25		
20	16QAM	50	50	21.30	21.31	21.14	21.31	22.1	1
20	16QAM	100	0	21.21	21.38	21.26	21.37		
20	64QAM	1	0	20.74	20.88	20.72	20.81	22.1	1
20	64QAM	1	49	20.87	20.98	20.84	20.84		
20	64QAM	1	99	20.65	20.72	20.67	20.72	21.1	2
20	64QAM	50	0	20.30	20.42	20.35	20.27		
20	64QAM	50	24	20.31	20.32	20.27	20.32	21.1	2
20	64QAM	50	50	20.14	20.32	20.23	20.20		
20	64QAM	100	0	20.08	20.27	20.19	20.27		
Channel				40115	40395	40665	41165		
Frequency (MHz)				2542.5	2567.5	2592.5	2642.5		
15	QPSK	1	0	21.66	21.78	21.61	21.58	23.1	0
15	QPSK	1	37	21.82	22.06	21.75	21.83		
15	QPSK	1	74	21.48	21.60	21.57	21.44	23.1	0
15	QPSK	36	0	21.75	22.05	21.83	22.04		
15	QPSK	36	20	21.70	21.94	21.78	21.77	23.1	0
15	QPSK	36	39	21.63	21.72	21.51	21.54		
15	QPSK	75	0	21.53	21.75	21.57	21.57	23.1	0
15	16QAM	1	0	21.38	21.64	21.44	21.48		
15	16QAM	1	37	21.83	21.76	21.87	21.70	23.1	0
15	16QAM	1	74	21.29	21.40	21.14	21.34		
15	16QAM	36	0	21.16					



Conducted Power for WLAN/Bluetooth

2.4GHz WLAN				Default Power		Head(Receiver on) Standalone&Simultaneous		Body(Receiver off) Standalone		Body(Receiver off) Simultaneous&Hotspot		Duty Cycle %								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit										
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.65	20.00	15.04	16.50	18.65	20.00	18.65	20.00	98.54								
		6	2437	18.85	20.00								15.22	16.50	18.85	20.00	18.85	20.00		
		11	2462	18.58	20.00								15.23	16.50	18.58	20.00	18.58	20.00		
	802.11g 6Mbps	1	2412	17.46	19.00	Not Required	16.50	17.46	19.00	17.46	19.00		98.06							
		6	2437	17.78	19.00									16.50	17.78	19.00	17.78	19.00		
		11	2462	15.31	17.00									16.50	15.31	17.00	15.31	17.00		
	802.11n-HT20 MCS0	1	2412	15.79	17.00		Not Required	16.50	15.79	17.00	15.79			17.00	97.92					
		6	2437	16.57	18.00											16.50	16.57	18.00	16.57	18.00
		11	2462	14.04	16.00											16.00	14.04	16.00	14.04	16.00

5.2GHz WLAN				Default Power		Head(Receiver on) Standalone&Simultaneous		Body(Receiver off) Standalone		Body(Receiver off) Simultaneous&Hotspot		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.77	19.50	Not Required	15.5	17.22	19.00	Not Required	15.5	98.07					
		40	5200	18.25	20.00								15.5	17.17	19.00	15.5	
		44	5220	18.27	20.00								15.5	17.22	19.00	15.5	
		48	5240	18.33	20.00								15.5	17.27	19.00	15.5	
	802.11n-HT20 MCS0	36	5180	17.21	19.00		15.5	17.21	19.00		15.5						
		40	5200	17.22	19.00		15.5	17.22	19.00		15.5						
		44	5220	17.27	19.00		15.5	17.27	19.00		15.5						
		48	5240	17.30	19.00		15.5	17.30	19.00		15.5						
	802.11n-HT40 MCS0	38	5190	13.29	15.00		13.29	15	13.29		15.00		13.29	15	95.88		
		46	5230	16.77	18.00		13.66	15.5	16.77		18.00		13.66	15.5			
	802.11ac-VHT20 MCS0	36	5180	16.22	18.00		Not Required	15.5	16.22		18.00		Not Required	15.5	97.94		
		40	5200	16.30	18.00											15.5	16.30
		44	5220	16.38	18.00	15.5				16.38						18.00	15.5
	802.11ac-VHT40 MCS0	48	5240	16.47	18.00	15.5		16.47	18.00	15.5							
		38	5190	12.99	14.50	15.5		12.99	14.50	15.5							
	802.11ac-VHT80 MCS0	46	5230	16.53	18.00	15.5		16.53	18.00	15.5							
		42	5210	12.73	14.00	14.0		12.73	14.00	14.0							

5.3GHz WLAN				Default Power		Head(Receiver on) Standalone&Simultaneous		Body(Receiver off) Standalone		Body(Receiver off) Simultaneous		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.44	20.00	Not Required	15.5	17.38	19.00	Not Required	15.5	98.07					
		56	5280	18.42	20.00								15.5	17.39	19.00	15.5	
		60	5300	18.52	20.00								15.5	17.40	19.00	15.5	
		64	5320	16.85	18.00								15.5	16.85	18.00	15.5	
	802.11n-HT20 MCS0	52	5260	17.44	19.00		15.5	17.44	19.00		15.5						
		56	5280	17.47	19.00		15.5	17.47	19.00		15.5						
		60	5300	17.50	19.00		15.5	17.50	19.00		15.5						
		64	5320	16.73	18.00		15.5	16.73	18.00		15.5						
	802.11n-HT40 MCS0	54	5270	16.86	18.00		14.15	15.5	16.86		18.00		14.15	15.5	95.88		
		62	5310	13.69	15.00		14.09	15	13.69		15.00		14.09	15			
	802.11ac-VHT20 MCS0	52	5260	16.44	18.00		Not Required	15.5	16.44		18.00		Not Required	15.5	97.94		
		56	5280	16.45	18.00											15.5	16.45
		60	5300	16.51	18.00	15.5				16.51						18.00	15.5
		64	5320	16.60	18.00	15.5				16.60						18.00	15.5
	802.11ac-VHT40 MCS0	54	5270	16.55	18.00	15.5		16.55	18.00	15.5							
		62	5310	13.48	15.00	15		13.48	15.00	15							
	802.11ac-VHT80 MCS0	58	5290	11.67	13.00	13		11.67	13.00	13							



5.5GHz WLAN				Default Power		Head(Receiver on) Standalone&Simultaneous		Body(Receiver off) Standalone		Body(Receiver off) Simultaneous		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.39	20.00	Not Required	Not Required	15.50	17.34	19.00	Not Required	98.07	
		116	5580	18.33	20.00			15.50	17.27	19.00			15.50
		124	5620	18.31	20.00			15.50	17.23	19.00			15.50
		132	5660	18.26	20.00			15.50	17.22	19.00			15.50
		140	5700	18.01	20.00			15.50	17.07	19.00			15.50
		144	5720	18.02	20.00			15.50	17.05	19.00			15.50
	802.11n-HT20 MCS0	100	5500	17.40	19.00			15.50	17.40	19.00			15.50
		116	5580	17.35	19.00			15.50	17.35	19.00			15.50
		124	5620	17.42	19.00			15.50	17.42	19.00			15.50
		132	5660	17.17	19.00			15.50	17.17	19.00			15.50
	802.11n-HT40 MCS0	140	5700	17.21	19.00			15.50	17.21	19.00			15.50
		144	5720	17.10	19.00			15.50	17.10	19.00			15.50
		102	5510	15.26	17.00			15.50	15.26	17.00			15.50
		110	5550	16.91	18.00			15.50	16.91	18.00			15.50
	802.11ac-VHT40 MCS0	126	5630	16.69	18.00			15.50	16.69	18.00			15.50
		134	5670	16.71	18.00			15.50	16.71	18.00			15.50
		142	5710	16.57	18.00			15.50	16.57	18.00			15.50
		100	5500	16.49	18.00			15.50	16.49	18.00			15.50
	802.11ac-VHT20 MCS0	116	5580	16.40	18.00			15.50	16.40	18.00			15.50
		124	5620	16.39	18.00			15.50	16.39	18.00			15.50
		132	5660	16.38	18.00			15.50	16.38	18.00			15.50
		140	5700	16.18	18.00			15.50	16.18	18.00			15.50
	802.11ac-VHT40 MCS0	144	5720	16.18	18.00			15.50	16.18	18.00			15.50
		102	5510	14.99	16.00			15.50	14.99	16.00			15.50
110		5550	16.58	18.00	15.50	16.58	18.00	15.50					
126		5630	16.42	18.00	15.50	16.42	18.00	15.50					
802.11ac-VHT80 MCS0	134	5670	16.26	18.00	15.50	16.26	18.00	15.50					
	142	5710	16.12	18.00	15.50	16.12	18.00	15.50					
	106	5530	12.49	14.00	12.49	14.00	12.49	14.00					
	122	5610	15.58	17.00	14.08	15.58	17.00	14.08					
	138	5690	15.17	17.00	14.12	15.50	15.17	17.00	14.12	15.50	91.84		

5.8GHz WLAN				Default Power		Head(Receiver on) Standalone&Simultaneous		Body(Receiver off) Standalone		Body(Receiver off) Simultaneous&Hotspot		Duty Cycle %			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.12	20.00	Not Required	Not Required	12.50	17.00	Not Required	98.07				
		157	5785	18.18	20.00			12.50	17.00			12.50			
		165	5825	18.09	20.00			12.50	17.00			12.50			
	802.11n-HT20 MCS0	149	5745	17.12	19.00			12.50	17.00			12.50			
		157	5785	17.21	19.00			12.50	17.00			12.50			
		165	5825	17.13	19.00			12.50	17.00			12.50			
	802.11n-HT40 MCS0	151	5755	16.46	18.00			12.50	17.00			12.50			
		159	5795	16.50	18.00			12.50	17.00			12.50			
	802.11ac-VHT20 MCS0	149	5745	16.13	18.00			12.50	17.00			12.50			
		157	5785	16.25	18.00			12.50	17.00			12.50			
	802.11ac-VHT40 MCS0	165	5825	16.09	18.00			12.50	17.00			12.50			
		151	5755	16.06	18.00			12.50	17.00			12.50			
	802.11ac-VHT80 MCS0	159	5795	16.07	18.00			12.50	17.00			12.50			
		155	5775	15.12	17.00			10.72	12.50			15.12	17.00	10.72	12.50



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.35	10.42	10.50	7.90	7.98	8.05	7.72	7.79	7.87	12.00
	CH 39	2441	11.06	11.15	11.23	8.44	8.52	8.61	8.44	8.50	8.58	12.00
	CH 78	2480	10.46	10.53	10.62	8.05	8.11	8.18	8.01	8.09	8.15	12.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	7.17
	CH 19	2440	6.60
	CH 39	2480	6.66
Tune-up Limit			8.5