

Full Power Mode

<GSM>

GSM850_Ant 13		Burst Average Power (dBm)					Turn-up		Frame Average Power (dBm)					Turn-up						
TX Channel		126	189	251	Limit		TX Channel	126	189	251	Limit		TX Channel	126	189	251	Limit			
Frequency (MHz)		824.2	834.4	844.6	(dBm)		Frequency (MHz)	824.2	834.4	844.6	(dBm)		Frequency (MHz)	824.2	834.4	844.6	(dBm)			
GSM 1 Tx slot		32.71	32.75	32.79	34.00		GSM 1 Tx slot		23.71	23.75	23.79	25.00		GSM 1 Tx slot		23.71	23.75	23.79	25.00	
GPRS-EDGE(GMSK) 1 Tx slot		32.70	32.73	32.68	34.00		GPRS-EDGE(GMSK) 1 Tx slot		23.70	23.73	23.68	25.00		GPRS-EDGE(GMSK) 1 Tx slot		23.70	23.73	23.68	25.00	
GPRS-EDGE(GMSK) 2 Tx slots		30.60	30.84	30.62	32.00		GPRS-EDGE(GMSK) 2 Tx slots		24.60	24.64	24.62	25.00		GPRS-EDGE(GMSK) 2 Tx slots		24.60	24.64	24.62	25.00	
GPRS-EDGE(GMSK) 3 Tx slots		29.10	29.14	29.04	30.00		GPRS-EDGE(GMSK) 3 Tx slots		24.84	24.88	24.78	25.74		GPRS-EDGE(GMSK) 3 Tx slots		24.84	24.88	24.78	25.74	
GPRS-EDGE(GMSK) 4 Tx slots		26.94	26.93	26.86	28.00		GPRS-EDGE(GMSK) 4 Tx slots		23.94	23.93	23.86	25.00		GPRS-EDGE(GMSK) 4 Tx slots		23.94	23.93	23.86	25.00	
EDGE 1 Tx slot		25.89	26.88	26.85	28.00		EDGE 1 Tx slot		17.89	17.88	17.85	19.00		EDGE 1 Tx slot		17.89	17.88	17.85	19.00	
EDGE 2 Tx slots		25.01	25.02	24.87	26.00		EDGE 2 Tx slots		19.01	19.02	18.87	20.00		EDGE 2 Tx slots		19.01	19.02	18.87	20.00	
EDGE 3 Tx slots		22.75	22.89	22.77	24.00		EDGE 3 Tx slots		18.49	18.48	18.63	18.51	19.74		EDGE 3 Tx slots		18.49	18.48	18.63	18.51
EDGE 4 Tx slots		20.45	20.35	20.37	22.00		EDGE 4 Tx slots		17.45	17.46	17.35	17.37	19.00		EDGE 4 Tx slots		17.45	17.46	17.35	17.37

GSM1900_Ant 13		Burst Average Power (dBm)					Turn-up		Frame Average Power (dBm)					Turn-up					
TX Channel		1512	661	810	Limit		TX Channel	1512	661	810	Limit		TX Channel	1512	661	810	Limit		
Frequency (MHz)		1920.2	1930.2	1940.2	(dBm)		Frequency (MHz)	1920.2	1930.2	1940.2	(dBm)		Frequency (MHz)	1920.2	1930.2	1940.2	(dBm)		
GSM 1 Tx slot		30.17	30.01	30.12	31.00		GSM 1 Tx slot		21.12	21.02	21.10	22.00		GSM 1 Tx slot		21.12	21.02	21.10	22.00
GPRS-EDGE(GMSK) 1 Tx slot		30.17	30.02	30.09	31.00		GPRS-EDGE(GMSK) 1 Tx slot		21.17	21.02	21.09	22.00		GPRS-EDGE(GMSK) 1 Tx slot		21.17	21.02	21.09	22.00
GPRS-EDGE(GMSK) 2 Tx slots		27.58	27.41	27.51	28.50		GPRS-EDGE(GMSK) 2 Tx slots		21.58	21.44	21.51	22.50		GPRS-EDGE(GMSK) 2 Tx slots		21.58	21.44	21.51	22.50
GPRS-EDGE(GMSK) 3 Tx slots		26.54	26.55	26.50	27.00		GPRS-EDGE(GMSK) 3 Tx slots		22.26	22.28	22.24	22.74		GPRS-EDGE(GMSK) 3 Tx slots		22.26	22.28	22.24	22.74
GPRS-EDGE(GMSK) 4 Tx slots		24.39	24.39	24.30	25.00		GPRS-EDGE(GMSK) 4 Tx slots		21.39	21.39	21.30	21.50		GPRS-EDGE(GMSK) 4 Tx slots		21.39	21.39	21.30	21.50
EDGE 1 Tx slot		26.18	26.20	26.10	27.00		EDGE 1 Tx slot		17.28	17.28	17.20	17.74		EDGE 1 Tx slot		17.28	17.28	17.20	17.74
EDGE 2 Tx slots		24.44	24.41	24.38	25.00		EDGE 2 Tx slots		18.44	18.41	18.38	18.90		EDGE 2 Tx slots		18.44	18.41	18.38	18.90
EDGE 3 Tx slots		22.61	22.61	22.47	23.00		EDGE 3 Tx slots		17.36	17.36	17.26	18.21		EDGE 3 Tx slots		17.36	17.36	17.26	18.21
EDGE 4 Tx slots		20.69	20.57	20.50	21.00		EDGE 4 Tx slots		17.69	17.57	17.57	18.50		EDGE 4 Tx slots		17.69	17.57	17.57	18.50

Band	WCDMA 840_Ant 13				Turn-up Limit (dBm)	WCDMA IV_Ant 13				Turn-up Limit (dBm)
	TX Channel	9262	9400	9538		1512	1413	1513		
RX Channel	9662	9800	9938		1537	1638	1738			
Frequency (MHz)	1850	1860	1909.8	(dBm)	1712	1723	1762.8	(dBm)		
GSPR 94I 99	AMR 12.2kps	23.59	23.61	23.50	24.50	23.38	23.42	23.38	24.50	
GSPR 94I 99	AMR 12.2kps	23.60	23.62	23.61	24.50	23.38	23.50	23.40	24.50	
GSPR 94I 8	HSDPA Subtest-1	22.56	22.56	22.51	23.50	22.51	22.48	22.42	23.50	
GSPR 94I 8	HSDPA Subtest-2	22.54	22.56	22.57	23.50	22.51	22.46	22.42	23.50	
GSPR 94I 8	HSDPA Subtest-3	22.26	22.26	22.21	23.00	21.86	21.85	21.86	23.00	
GSPR 94I 8	HSDPA Subtest-4	22.26	22.26	22.21	23.00	22.26	22.48	22.38	23.00	
GSPR 94I 8	DC-HSDPA Subtest-1	22.66	22.55	22.67	23.50	22.38	22.42	22.38	23.50	
GSPR 94I 8	DC-HSDPA Subtest-2	22.52	22.53	22.62	23.50	22.48	22.44	22.38	23.50	
GSPR 94I 8	DC-HSDPA Subtest-3	22.12	22.04	22.08	22.50	22.00	21.81	21.83	22.50	
GSPR 94I 8	DC-HSDPA Subtest-4	22.08	21.94	22.04	23.00	22.04	21.81	21.86	23.00	
GSPR 94I 8	HSPA Subtest-1	20.70	20.63	20.67	21.50	20.39	20.46	20.44	21.50	
GSPR 94I 8	HSPA Subtest-2	21.12	21.08	21.08	22.00	21.04	21.00	21.00	22.00	
GSPR 94I 8	HSPA Subtest-3	21.71	21.64	21.75	22.50	21.43	21.47	21.45	22.50	
GSPR 94I 8	HSPA Subtest-4	20.09	20.21	20.26	21.00	19.94	20.01	19.99	21.00	
GSPR 94I 8	HSPA Subtest-5	21.27	21.40	21.28	22.00	21.37	21.40	21.38	22.00	

<GSM>

GSM850_Ant 31		Burst Average Power (dBm)				Frame Average Power (dBm)			
TX Channel	126	189	251	Limit	TX Channel	126	189	251	Limit
Frequency (MHz)	824.2	834.4	844.6	(dBm)	Frequency (MHz)	824.2	834.4	844.6	(dBm)
GSM 1 Tx slot	32.30	32.43	32.42	33.50	23.30	23.43	23.42	24.50	
GPRS-EDGE(GMSK) 1 Tx slot	32.28	32.42	32.41	33.50	23.28	23.42	23.41	24.50	
GPRS-EDGE(GMSK) 2 Tx slots	30.19	30.35	30.34	31.50	24.19	24.35	24.34	25.50	
GPRS-EDGE(GMSK) 3 Tx slots	28.60	28.72	28.79	29.50	24.34	24.46	24.53	25.24	
GPRS-EDGE(GMSK) 4 Tx slots	26.37	26.52	26.62	27.50	23.37	23.52	23.62	24.50	
EDGE 1 Tx slot	26.37	26.62	26.61	27.50	17.37	17.62	17.61	18.50	
EDGE 2 Tx slots	24.56	24.61	24.65	25.50	18.56	18.61	18.65	19.50	
EDGE 3 Tx slots	22.28	22.34	22.51	23.50	18.02	18.08	18.25	19.24	
EDGE 4 Tx slots	19.91	20.03	20.16	21.50	16.91	17.03	17.16	18.50	

GSM1800_Ant 31		Burst Average Power (dBm)				Frame Average Power (dBm)			
TX Channel	152	661	810	Limit	TX Channel	152	661	810	Limit
Frequency (MHz)	1502.1	1502.1	1503.3	(dBm)	Frequency (MHz)	1502.1	1502.1	1503.3	(dBm)
GSM 1 Tx slot	29.80	29.50	29.50	30.50	20.80	20.60	20.60	21.50	
GPRS-EDGE(GMSK) 1 Tx slot	29.85	29.79	29.93	30.50	20.85	20.79	20.93	21.50	
GPRS-EDGE(GMSK) 2 Tx slots	27.26	27.18	27.36	28.00	21.26	21.18	21.36	22.00	
GPRS-EDGE(GMSK) 3 Tx slots	25.23	25.17	25.36	26.50	21.27	21.21	21.40	22.24	
GPRS-EDGE(GMSK) 4 Tx slots	24.23	24.23	24.50	25.00	21.23	21.24	21.50	22.00	
EDGE 1 Tx slot	25.88	26.07	26.24	27.00	18.88	17.07	17.24	18.00	
EDGE 2 Tx slots	24.37	24.46	24.68	25.50	18.37	18.46	18.68	19.00	
EDGE 3 Tx slots	22.55	22.61	22.89	23.50	18.29	18.34	18.61	19.00	
EDGE 4 Tx slots	20.55	20.62	20.61	21.50	17.55	17.62	17.61	18.50	

Time-up	Limit (dBm)	
24.50		
24.50		
23.50		
23.50		
23.00		
23.00		
23.50		
23.50		
23.00		
23.00		
22.50		
22.50		
23.50		
22.00		
23.50		

<WCDMA>

Band	TX Channel	WCDMA II_Ant 13				WCDMA IV_Ant 13				WCDMA V_Ant 13			
		9662	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Frequency (MHz)		1862.4	1860	1907.6	(dBm)	1712.4	1732.6	1752.8	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2kps	23.59	23.61	23.60	24.50	23.36	23.42	23.38	24.50	23.23	23.30	23.26	24.50
3GPP Rel 99	PMR 12.2kps	23.60	23.52	23.61	24.50	23.38	23.50	23.40	24.50	23.25	23.32	23.30	24.50
3GPP Rel 6	HSDPA Subtest-1	22.68	22.81	22.71	23.50	22.42	22.48	22.40	23.50	22.37	22.39	22.47	23.50
3GPP Rel 6	HSDPA Subtest-2	22.54	22.58	22.67	23.50	22.51	22.46	22.42	23.50	22.40	22.42	22.25	23.50
3GPP Rel 6	HSDPA Subtest-3	22.08	22.06	22.11	23.00	21.96	21.85	21.98	23.00	21.95	21.96	21.72	23.00
3GPP Rel 6	HSDPA Subtest-4	22.12	22.01	22.08	23.00	22.06	21.85	22.00	23.00	21.91	21.93	21.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.66	22.55	22.67	23.50	22.36	22.43	22.38	23.50	22.30	22.35	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.52	22.53	22.62	23.50	22.48	22.44	22.38	23.50	22.36	22.40	22.20	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.03	22.03	22.09	23.00	21.89	21.81	21.93	23.00	21.88	21.94	21.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.06	21.94	22.04	23.00	22.04	21.81	21.96	23.00	21.85	21.86	21.67	23.00
3GPP Rel 6	HSUPA Subtest-1	20.70	20.63	20.67	21.50	20.39	20.46	20.44	21.50	21.39	21.46	21.45	22.50
3GPP Rel 6	HSUPA Subtest-2	20.73	20.68	20.65	21.50	20.41	20.43	20.38	21.50	21.37	21.42	21.41	22.50
3GPP Rel 6	HSUPA Subtest-3	21.71	21.84	21.75	22.50	21.43	21.47	21.45	22.50	22.36	22.35	22.40	23.50
3GPP Rel 6	HSUPA Subtest-4	20.69	20.71	20.38	21.00	19.94	20.01	19.99	21.00	20.63	20.85	20.90	22.00
3GPP Rel 6	HSUPA Subtest-5	21.60	21.60	21.80	22.50	21.37	21.40	21.36	22.50	22.27	22.27	22.30	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.65	20.74	20.62	21.50	20.45	20.50	20.54	21.50	21.35	21.44	21.40	22.50

Band	TX Channel	WCDMA II_Ant 31				WCDMA IV_Ant 31				WCDMA V_Ant 31			
		9662	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Frequency (MHz)		1862.4	1860	1907.6	(dBm)	1712.4	1732.6	1752.8	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2kps	23.22	23.31	23.23	24.00	23.02	23.14	23.12	24.00	23.22	23.24	23.20	24.00
3GPP Rel 99	RMIC 12.2kps	23.24	23.32	23.31	24.00	23.05	23.16	23.14	24.00	23.25	23.26	23.23	24.00
3GPP Rel 6	HSDPA Subtest-1	22.27	22.27	22.45	23.00	22.02	22.16	22.10	23.00	22.23	22.25	22.30	23.00
3GPP Rel 6	HSDPA Subtest-2	22.14	22.13	22.17	23.00	21.91	22.06	22.10	23.00	22.15	22.13	22.11	23.00
3GPP Rel 6	HSDPA Subtest-3	21.79	21.85	21.78	22.50	21.44	21.53	21.63	22.50	21.66	21.78	21.68	22.50
3GPP Rel 6	HSDPA Subtest-4	21.68	21.61	21.77	22.50	21.50	21.60	21.64	22.50	21.66	21.62	21.67	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.23	22.26	22.40	23.00	22.00	22.10	22.03	23.00	22.19	22.23	22.27	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.07	22.06	22.12	23.00	21.84	21.99	22.06	23.00	22.11	22.08	22.07	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.75	21.63	21.75	22.50	21.40	21.49	21.57	22.50	21.61	21.73	21.67	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.63	21.59	21.74	22.50	21.44	21.55	21.57	22.50	21.62	21.57	21.63	22.50
3GPP Rel 6	HSUPA Subtest-1	20.37	20.23	20.52	21.20	20.11	20.18	20.17	21.00	21.17	20.98	21.10	22.50
3GPP Rel 6	HSUPA Subtest-2	20.28	20.27	20.42	21.20	20.09	20.14	20.13	21.00	21.00	21.07	21.00	22.50
3GPP Rel 6	HSUPA Subtest-3	21.27	21.26	21.48	22.00	21.06	21.17	21.15	22.00	21.94	22.00	21.92	23.00
3GPP Rel 6	HSUPA Subtest-4	19.89	19.72	20.01	20.50	19.57	19.60	19.61	20.50	20.43	20.49	20.45	21.50
3GPP Rel 6	HSUPA Subtest-5	21.30	21.20	21.30	22.00	21.00	21.10	21.10	22.00	21.90	21.90	21.90	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.34	20.33	20.44	21.20	20.15	20.20	20.18	21.20	21.14	21.04	21.05	22.50

Band 2_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 Frequency (MHz)										
20	QPSK	1	0	23.35	23.42	23.35	24.6	0		
20	QPSK	1	49	23.53	23.66	23.59				
20	QPSK	1	99	23.34	23.31	23.27				
20	QPSK	50	0	22.33	22.40	22.40				
20	QPSK	24	0	22.29	22.58	22.50	23.6	1		
20	QPSK	50	50	22.25	22.34	22.20				
20	QPSK	100	0	22.48	22.50	22.38				
20	16QAM	1	0	22.32	22.43	22.31				
20	16QAM	1	49	22.75	22.82	22.74	23.6	1		
20	16QAM	1	99	22.35	22.41	22.38				
20	16QAM	50	0	21.45	21.45	21.31				
20	16QAM	50	24	21.30	21.43	21.42				
20	16QAM	50	50	21.20	21.29	21.19	22.6	2		
20	16QAM	100	0	21.24	21.32	21.30				
20	64QAM	1	0	21.58	21.65	21.60				
20	64QAM	1	49	21.79	21.89	21.80				
20	64QAM	1	99	21.43	21.45	21.39	22.6	2		
20	64QAM	50	0	20.45	20.49	20.40				
20	64QAM	50	24	20.41	20.47	20.33				
20	64QAM	50	50	20.29	20.32	20.26				
20	64QAM	100	0	20.25	20.39	20.38	21.6	3		
Channel Frequency (MHz)										
15	QPSK	1	0	18.75	18.90	19.125	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	23	19.25	19.35	19.32				
15	QPSK	1	37	23.46	23.63	23.63				
15	QPSK	1	74	23.27	23.36	23.13				
15	QPSK	36	0	22.19	22.37	22.20	23.6	1		
15	QPSK	36	20	22.50	22.50	22.46				
15	QPSK	36	39	22.16	22.20	22.19				
15	QPSK	75	0	22.41	22.40	22.31				
15	16QAM	1	0	22.28	22.43	22.31	23.6	1		
15	16QAM	1	37	22.66	22.76	22.62				
15	16QAM	1	74	22.24	22.28	22.28				
15	16QAM	36	0	21.41	21.30	21.27				
15	16QAM	36	20	21.23	21.39	21.28	22.6	2		
15	16QAM	36	39	21.14	21.17	21.14				
15	16QAM	75	0	21.12	21.28	21.21				
15	64QAM	1	0	21.54	21.56	21.59				
15	64QAM	1	37	21.76	21.85	21.71	22.6	2		
15	64QAM	1	74	21.44	21.39	21.35				
15	64QAM	36	0	20.41	20.44	20.37				
15	64QAM	36	20	20.38	20.41	20.23				
15	64QAM	36	39	20.29	20.19	20.20	21.6	3		
15	64QAM	75	0	20.10	20.34	20.28				
Channel Frequency (MHz)										
10	QPSK	1	0	18.50	18.60	19.150			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	23.48	23.53	23.55				
10	QPSK	1	49	23.40	23.31	23.17				
10	QPSK	25	0	22.28	22.33	22.18				
10	QPSK	25	12	22.45	22.46	22.45	23.6	1		
10	QPSK	25	25	22.21	22.31	22.19				
10	QPSK	50	0	22.47	22.38	22.24				
10	16QAM	1	0	22.31	22.32	22.23				
10	16QAM	1	25	22.12	22.78	22.63	23.6	1		
10	16QAM	1	49	22.33	22.32	22.37				
10	16QAM	25	0	21.41	21.35	21.18				
10	16QAM	25	12	21.28	21.38	21.35				
10	16QAM	25	25	21.07	21.14	21.17	22.6	2		
10	16QAM	50	0	21.13	21.18	21.18				
10	64QAM	1	0	21.58	21.63	21.58				
10	64QAM	1	25	21.71	21.89	21.70				
10	64QAM	1	49	21.51	21.42	21.36	21.6	3		
10	64QAM	25	0	20.42	20.40	20.34				
10	64QAM	25	12	20.36	20.42	20.24				
10	64QAM	25	25	20.17	20.28	20.21				
10	64QAM	50	0	20.11	20.27	20.23	21.6	3		
Channel Frequency (MHz)										
5	QPSK	1	0	18.25	18.30	19.075	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	12	23.34	23.54	23.50				
5	QPSK	1	24	23.30	23.38	23.27				
5	QPSK	12	0	22.18	22.35	22.27				
5	QPSK	12	7	22.49	22.50	22.37	23.6	1		
5	QPSK	12	13	22.28	22.33	22.08				
5	QPSK	25	0	22.45	22.42	22.34				
5	16QAM	1	0	22.19	22.37	22.28				
5	16QAM	1	12	22.70	22.82	22.72	23.6	1		
5	16QAM	1	24	22.25	22.34	22.36				
5	16QAM	12	0	21.30	21.44	21.24				
5	16QAM	12	7	21.24	21.25	21.41				
5	16QAM	12	13	21.12	21.21	21.06	22.6	2		
5	16QAM	25	0	21.16	21.22	21.27				
5	64QAM	1	0	21.52	21.63	21.48				
5	64QAM	1	12	21.79	21.74	21.78				
5	64QAM	1	24	21.35	21.42	21.31	22.6	2		
5	64QAM	12	0	20.41	20.42	20.29				
5	64QAM	12	7	20.29	20.43	20.25				
5	64QAM	12	13	20.14	20.27	20.11				
5	64QAM	25	0	20.16	20.26	20.33	21.6	3		
Channel Frequency (MHz)										
3	QPSK	1	0	18.15	18.60	19.035	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	8	23.26	23.29	23.33				
3	QPSK	1	14	23.40	23.51	23.46				
3	QPSK	8	0	22.25	22.28	22.28				
3	QPSK	8	4	22.37	22.48	22.44	23.6	1		
3	QPSK	8	7	22.29	22.22	22.12				
3	QPSK	15	0	22.33	22.45	22.23				
3	16QAM	1	0	22.23	22.35	22.23				
3	16QAM	1	8	22.70	22.72	22.70	23.6	1		
3	16QAM	1	14	22.28	22.40	22.30				
3	16QAM	8	0	21.34	21.31	21.16				
3	16QAM	8	4	21.25	21.33	21.28				
3	16QAM	8	7	21.09	21.29	21.05	22.6	2		
3	16QAM	15	0	21.21	21.27	21.20				
3	64QAM	1	0	21.52	21.68	21.46				
3	64QAM	1	8	21.79	21.74	21.75				
3	64QAM	1	14	21.21	21.43	21.32	21.6	3		
3	64QAM	8	0	20.35	20.49	20.28				
3	64QAM	8	4	20.38	20.41	20.33				
3	64QAM	8	7	20.28	20.32	20.12				
3	64QAM	15	0	20.11	20.38	20.23	21.6	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	18.00	18.90	19.193	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.22	23.27	23.28				
1.4	QPSK	1	5	23.27	23.52	23.50				
1.4	QPSK	3	0	23.19	23.30	23.33				
1.4	QPSK	3	1	23.28	23.33	23.24	24.6	0		
1.4	QPSK	6	0	22.43	22.40	22.35				
1.4	16QAM	1	0	22.18	22.28	22.28				
1.4	16QAM	1	3	22.63	22.78	22.84				
1.4	16QAM	1	5	22.30	22.29	22.33	23.6	1		
1.4	16QAM	3	0	22.33	22.45	22.38				
1.4	16QAM	3	1	22.38	22.48	22.35				
1.4	16QAM	3	3	22.48	22.41	22.27				
1.4	16QAM	6	0	21.15	21.17	21.19	22.6	2		
1.4	64QAM	1	0	21.21	21.23	21.16				
1.4	64QAM	1	3	21.12	21.32	21.18				
1.4	64QAM	1	5	21.23	21.37	21.33				
1.4	64QAM	3	0	21.24	21.18	21.23	22.6	2		
1.4	64QAM	3	1	21.09	21.19	21.28				
1.4	64QAM	3	3	21.17	21.24	21.21				
1.4	64QAM	6	0	20.24	20.39	20.34				

Band 2_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 Frequency (MHz)								
20	QPSK	1	0	1860	1860	1900	24	0
20	QPSK	1	49	23.1	23.06	23.04		
20	QPSK	1	99	23.1	23.45	23.38		
20	QPSK	50	0	22.27	22.35	22.25		
20	QPSK	50	24	22.31	22.41	22.4	23	1
20	QPSK	50	50	22.37	22.17	22.31		
20	QPSK	100	0	22.28	22.35	22.3		
20	16QAM	1	0	22.43	22.69	22.77		
20	16QAM	1	49	22.71	22.85	22.84	23	1
20	16QAM	1	99	22.4	22.38	22.35		
20	16QAM	50	0	21.19	21.45	21.23		
20	16QAM	50	24	21.38	21.44	21.	22	2
20	16QAM	50	50	21.39	21.23	21.21		
20	16QAM	100	0	21.29	21.27	21.28		
20	64QAM	1	0	21.27	21.24	21.28	22	2
20	64QAM	1	49	21.43	21.47	21.58		
20	64QAM	1	99	21.41	21.52	21.45		
20	64QAM	50	0	20.17	20.45	20.25	21	3
20	64QAM	50	24	20.45	20.44	20.44		
20	64QAM	50	50	20.41	20.38	20.24		
20	64QAM	100	0	20.45	20.31			
Channel Frequency (MHz)								
15	QPSK	1	0	1867.5	1860	1912.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	23.09	1867.5	1860	1902.5	24	0
15	QPSK	1	37	23.35	23.38	23.38		
15	QPSK	1	74	22.86	23.85	22.96		
15	QPSK	36	22	22.15	22.22	22.22		
15	QPSK	36	20	22.37	22.38	22.34	23	1
15	QPSK	36	38	22.27	22.15	22.18		
15	QPSK	36	50	22.26	22.25	22.18		
15	QPSK	36	50	22.26	22.25	22.18		
15	16QAM	1	0	22.37	22.59	22.68	23	1
15	16QAM	1	37	22.37	22.26	22.70		
15	16QAM	1	74	22.28	22.45	22.45		
15	16QAM	36	0	21.05	21.44	21.11	22	2
15	16QAM	36	20	21.30	21.29	21.10		
15	16QAM	36	38	21.28	21.10	21.10		
15	16QAM	75	0	21.26	21.24	21.22	21	3
15	64QAM	1	0	21.24	21.11	21.11		
15	64QAM	1	37	21.40	21.37	21.51		
15	64QAM	1	74	21.38	21.52	21.45	22	2
15	64QAM	36	0	20.11	20.30	20.16		
15	64QAM	36	20	20.43	20.43	20.26		
15	64QAM	36	38	20.29	20.23	20.14	21	3
15	64QAM	36	50	20.29	20.23	20.14		
15	64QAM	75	0	20.42	20.20	20.60		
Channel Frequency (MHz)								
10	QPSK	1	0	18650	18600	19050	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	23.31	23.36	23.27	24	0
10	QPSK	1	49	23.10	22.94	22.96		
10	QPSK	25	0	22.20	22.35	22.20		
10	QPSK	25	12	22.34	22.27	22.32		
10	QPSK	25	25	22.26	22.07	22.32	23	1
10	QPSK	25	50	22.18	22.09	22.18		
10	16QAM	1	0	22.33	22.69	22.69		
10	16QAM	1	49	22.58	22.54	22.52		
10	16QAM	25	0	21.09	21.37	21.11	23	1
10	16QAM	25	12	21.35	21.31	21.34		
10	16QAM	25	25	21.29	21.14	21.08		
10	16QAM	25	25	21.29	21.14	21.08	22	2
10	16QAM	50	0	21.23	21.17	21.22		
10	16QAM	50	0	21.16	21.23	21.13		
10	64QAM	1	0	21.16	21.13	21.13	22	2
10	64QAM	1	25	21.28	21.44	21.43		
10	64QAM	1	49	21.33	21.38	21.41		
10	64QAM	25	0	20.04	20.37	20.13	21	3
10	64QAM	25	12	20.32	20.41	20.42		
10	64QAM	25	25	20.38	20.11	20.23		
10	64QAM	50	0	20.31	20.15	20.15		
Channel Frequency (MHz)								
5	QPSK	1	0	18625	18600	19175	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	23.25	23.37	23.33	24	0
5	QPSK	1	25	22.89	23.39	23.00		
5	QPSK	12	0	22.22	22.21	22.17		
5	QPSK	12	0	22.33	22.38	22.38		
5	QPSK	12	13	22.22	22.10	22.10	23	1
5	QPSK	25	0	22.25	22.24	22.26		
5	16QAM	1	0	22.36	22.69	22.73		
5	16QAM	1	12	22.65	22.63	22.73		
5	16QAM	1	24	22.33	22.50	22.42	23	1
5	16QAM	12	0	21.05	21.40	21.18		
5	16QAM	12	0	21.28	21.21	21.22		
5	16QAM	12	13	21.38	21.15	21.18	22	2
5	16QAM	25	0	21.18	21.27	21.25		
5	64QAM	1	0	21.21	21.21	21.14		
5	64QAM	1	12	21.43	21.41	21.48	22	2
5	64QAM	24	0	21.41	21.41	21.45		
5	64QAM	12	0	20.03	20.31	20.24		
5	64QAM	12	7	20.35	20.38	20.36	21	3
5	64QAM	12	13	20.37	20.22	20.17		
5	64QAM	25	0	20.36	20.17	20.68		
Channel Frequency (MHz)								
3	QPSK	1	0	18615	18600	19185	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	23.34	23.35	23.26	24	0
3	QPSK	1	14	23.09	23.09	23.04		
3	QPSK	8	0	22.18	22.23	22.13		
3	QPSK	8	7	22.26	22.33	22.38		
3	QPSK	8	7	22.35	22.37	22.36	23	1
3	QPSK	15	0	22.23	22.24	22.20		
3	16QAM	1	0	22.33	22.69	22.73		
3	16QAM	1	8	22.68	22.65	22.73		
3	16QAM	1	14	22.36	22.43	22.46	23	1
3	16QAM	8	0	21.12	21.33	21.10		
3	16QAM	8	0	21.32	21.12	21.18		
3	16QAM	8	7	21.26	21.08	21.18	22	2
3	16QAM	15	0	21.25	21.12	21.21		
3	64QAM	1	0	21.12	21.12	21.18		
3	64QAM	1	8	21.39	21.37	21.51	22	2
3	64QAM	1	14	21.27	21.44	21.33		
3	64QAM	8	0	20.05	20.37	20.11		
3	64QAM	8	4	20.41	20.37	20.38	21	3
3	64QAM	8	7	20.30	20.17	20.18		
3	64QAM	15	0	20.38	20.20	20.20		
Channel Frequency (MHz)								
1.4	QPSK	1	0	18607.5	18600	19193	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	23.04	22.59	23.00	24	0
1.4	QPSK	1	3	23.25	23.32	23.31		
1.4	QPSK	4	0	22.03	22.03	22.04		
1.4	QPSK	3	0	22.05	23.00	22.90		
1.4	QPSK	3	0	23.08	23.08	22.95	23	1
1.4	QPSK	3	3	23.02	23.00	22.98		
1.4	QPSK	6	0	22.17	22.35	22.25		
1.4	16QAM	1	0	22.31	22.61	22.67		
1.4	16QAM	3	0	22.63	22.54	22.70	23	1
1.4	16QAM	1	5	22.37	22.36	22.32		
1.4	16QAM	3	0	22.38	22.37	22.33		
1.4	16QAM	3	0	22.31	22.31	21.21	22	2
1.4	16QAM	6	0	21.18	21.39	21.21		
1.4	64QAM	3	3	22.37	22.32	22.28		
1.4	64QAM	3	0	21.27	21.14	21.26	22	2
1.4	64QAM	6	0	21.18	21.39	21.21		
1.4	64QAM	1	3	21.32	21.49	21.56		
1.4	64QAM	1	3	21.39	21.48	21.56	22	2
1.4	64QAM	1	5	21.04	21.35	21.12		
1.4	64QAM	3	1	21.08	21.38	21.21		
1.4	64QAM	3	1	21.08	21.43	21.21	21	3
1.4	64QAM	3	3	20.31	20.13	20.10		
1.4	64QAM	6	0	20.30	20.20	20.20		

Band 4_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 Frequency (MHz)										
20	QPSK	1	0	1720	1723.5	1725	24.5	0		
20	QPSK	1	49	23.12	23.11	23.25				
20	QPSK	1	99	23.27	23.18	23.17				
20	QPSK	50	0	22.41	22.37	22.49				
20	QPSK	50	24	22.81	22.84	22.57	23.5	1		
20	QPSK	50	50	22.54	22.49	22.42				
20	QPSK	100	0	22.53	22.57	22.35				
20	16QAM	1	0	22.78	22.84	22.69				
20	16QAM	1	49	22.73	23.02	22.88	23.5	1		
20	16QAM	1	99	22.63	22.78	22.8				
20	16QAM	50	0	21.48	21.53	21.41				
20	16QAM	50	24	21.51	21.46	21.46				
20	16QAM	50	50	21.5	21.44	21.35	22.5	2		
20	16QAM	100	0	21.36	21.41	21.27				
20	64QAM	1	0	21.56	21.6	21.69				
20	64QAM	1	49	21.87	21.73	21.58				
20	64QAM	1	99	21.55	21.5	21.6	22.5	2		
20	64QAM	50	0	20.48	20.43	20.5				
20	64QAM	50	24	20.55	20.69	20.42				
20	64QAM	50	50	20.53	20.52	20.42				
20	64QAM	100	0	20.5	20.44	20.4	21.5	3		
Channel Frequency (MHz)										
15	QPSK	1	0	23.05	23.17	23.02			Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	37	23.14	23.25	23.13	24.5	0		
15	QPSK	1	74	23.19	23.06	23.16				
15	QPSK	36	0	22.33	22.26	22.42				
15	QPSK	36	20	22.55	22.53	22.52				
15	QPSK	36	39	22.42	22.48	22.38	23.5	1		
15	QPSK	75	0	22.44	22.48	22.21				
15	16QAM	1	0	22.65	22.49	22.54				
15	16QAM	1	37	22.73	23.00	22.83				
15	16QAM	1	74	22.54	22.68	22.72	23.5	1		
15	16QAM	36	0	21.46	21.45	21.36				
15	16QAM	36	20	21.48	21.55	21.33				
15	16QAM	36	39	21.42	21.36	21.26				
15	16QAM	75	0	21.34	21.31	21.13	22.5	2		
15	64QAM	1	0	21.56	21.50	21.59				
15	64QAM	1	37	21.60	21.59	21.48				
15	64QAM	1	74	21.49	21.38	21.40				
15	64QAM	36	0	20.34	20.42	20.35	22.5	2		
15	64QAM	36	20	20.55	20.56	20.38				
15	64QAM	36	39	20.41	20.44	20.40				
15	64QAM	75	0	20.42	20.31	20.38				
Channel Frequency (MHz)										
10	QPSK	1	0	23.00	23.15	23.00	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	25	23.52	23.51	23.26	24.5	0		
10	QPSK	1	49	23.27	23.06	23.03				
10	QPSK	25	0	22.41	22.30	22.40				
10	QPSK	25	12	22.49	22.63	22.52				
10	QPSK	25	25	22.42	22.42	22.30	23.5	1		
10	QPSK	50	0	22.38	22.40	22.23				
10	16QAM	1	0	22.67	22.53	22.68				
10	16QAM	1	1	22.62	22.84	22.65				
10	16QAM	1	49	22.59	22.75	22.71	23.5	1		
10	16QAM	25	0	21.34	21.43	21.35				
10	16QAM	25	12	21.42	21.54	21.39				
10	16QAM	25	25	21.43	21.40	21.27				
10	16QAM	50	0	21.26	21.34	21.25	22.5	2		
10	64QAM	1	0	21.55	21.56	21.62				
10	64QAM	1	25	21.75	21.62	21.58				
10	64QAM	1	49	21.52	21.49	21.45				
10	64QAM	25	0	20.45	20.36	20.41	21.5	3		
10	64QAM	25	12	20.47	20.66	20.37				
10	64QAM	25	25	20.50	20.52	20.37				
10	64QAM	50	0	20.48	20.43	20.34				
Channel Frequency (MHz)										
5	QPSK	1	0	23.05	23.20	23.15	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	12	23.54	23.51	23.25	24.5	0		
5	QPSK	1	24	23.15	23.18	23.09				
5	QPSK	12	0	22.28	22.35	22.45				
5	QPSK	12	7	22.25	22.49	22.48				
5	QPSK	12	13	22.43	22.42	22.36	23.5	1		
5	QPSK	25	0	22.48	22.37	22.35				
5	16QAM	1	0	22.74	22.51	22.63				
5	16QAM	1	8	22.72	22.86	22.76				
5	16QAM	1	24	22.53	22.76	22.77	23.5	1		
5	16QAM	12	0	21.45	21.42	21.28				
5	16QAM	12	7	21.51	21.64	21.37				
5	16QAM	12	13	21.45	21.35	21.25				
5	16QAM	25	0	21.28	21.37	21.26	22.5	2		
5	64QAM	1	0	21.53	21.51	21.55				
5	64QAM	1	12	21.78	21.85	21.47				
5	64QAM	1	24	21.44	21.48	21.59				
5	64QAM	12	0	20.35	20.37	20.37	22.5	2		
5	64QAM	12	7	20.54	20.59	20.40				
5	64QAM	12	13	20.44	20.47	20.35				
5	64QAM	25	0	20.37	20.37	20.35				
Channel Frequency (MHz)										
3	QPSK	1	0	23.05	23.25	23.25	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	8	23.45	23.63	23.28	24.5	0		
3	QPSK	1	14	23.13	23.05	23.15				
3	QPSK	8	0	22.41	22.23	22.36				
3	QPSK	8	4	22.58	22.55	22.56				
3	QPSK	8	7	22.46	22.46	22.38	23.5	1		
3	QPSK	15	0	22.50	22.40	22.22				
3	16QAM	1	0	22.70	22.62	22.60				
3	16QAM	1	8	22.60	23.00	22.85				
3	16QAM	1	14	22.50	22.72	22.74	23.5	1		
3	16QAM	8	0	21.33	21.50	21.31				
3	16QAM	8	4	21.42	21.52	21.46				
3	16QAM	8	7	21.49	21.39	21.32				
3	16QAM	15	0	21.35	21.29	21.20	22.5	2		
3	64QAM	1	0	21.55	21.46	21.57				
3	64QAM	1	8	21.86	21.70	21.57				
3	64QAM	1	14	21.54	21.39	21.59				
3	64QAM	8	0	20.47	20.35	20.38	21.5	3		
3	64QAM	8	4	20.48	20.60	20.38				
3	64QAM	8	7	20.46	20.37	20.34				
3	64QAM	15	0	20.35	20.41	20.25				
Channel Frequency (MHz)										
1.4	QPSK	1	0	23.18	23.27	23.15	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.52	23.62	23.24	24.5	0		
1.4	QPSK	1	5	23.22	23.25	23.11				
1.4	QPSK	3	0	23.08	23.22	23.16				
1.4	QPSK	3	1	23.10	23.27	23.18				
1.4	QPSK	3	3	23.08	23.29	23.13	23.5	1		
1.4	QPSK	6	0	22.53	22.39	22.34				
1.4	16QAM	1	0	22.53	22.54	22.41				
1.4	16QAM	1	3	22.42	22.46	22.26				
1.4	16QAM	1	5	22.39	22.48	22.44	23.5	1		
1.4	16QAM	3	0	22.53	22.45	22.25				
1.4	16QAM	3	1	22.51	22.43	22.25				
1.4	16QAM	3	3	22.46	22.38	22.28				
1.4	16QAM	6	0	21.27	21.41	21.15	22.5	2		
1.4	64QAM	1	0	21.52	21.52	21.50				
1.4	64QAM	1	3	21.85	21.66	21.42				
1.4	64QAM	1	5	21.50	21.40	21.49				
1.4	64QAM	3	0	21.44	21.40	21.32	22.5	2		
1.4	64QAM	3	1	21.39	21.42	21.35				
1.4	64QAM	3	3	21.35	21.35	21.32				
1.4	64QAM	6	0	20.48	20.37	20.35				
1.4	64QAM	6	3	20.35	20.37	20.35	21.5	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	23.18	23.27	23.15	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.52	23.62	23.24	24.5	0		
1.4	QPSK	1	5	23.22	23.25	23.11				
1.4	QPSK	3	0	23.08	23.22	23.16				
1.4	QPSK	3	1	23.10	23.27	23.18				
1.4	QPSK	3	3	23.08	23.29	23.13	23.5	1		
1.4	QPSK	6	0	22.53	22.39	22.34				
1.4	16QAM	1	0	22.53	22.54	22.41				
1.4	16QAM	1	3	22.42	22.46	22.26				
1.4	16QAM	1	5	22.39	22.48	22.44	23.5	1		
1.4	16QAM	3	0	22.53	22.45	22.25				
1.4	16QAM	3	1	22.51	22.43	22.25				
1.4	16QAM	3	3	22.46	22.38	22.28				
1.4	16QAM	6	0	21.27	21.41	21.15	22.5	2		
1.4	64QAM	1	0	21.52	21.52	21.50				
1.4	64QAM	1	3	21.85	21.66	21.42				
1.4	64QAM	1	5	21.50	21.40	21.49				
1.4	64QAM	3	0	21.44	21.40	21.32	22.5	2		
1.4	64QAM	3	1	21.39	21.42	21.35				
1.4	64QAM	3	3	21.35	21.35	21.32				
1.4	64QAM	6	0	20.48	20.37	20.35				
1.4	64QAM	6	3	20.35	20.37	20.35	21.5	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	23.18	23.27	23.15	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.52	23.62	23.24	24.5	0		
1.4	QPSK	1	5	23.22	23.25	23.11				
1.4	QPSK	3	0	23.08	23.22	23.16				
1.4	QPSK	3	1	23.10	23.27	23.18				
1.4	QPSK	3	3	23.08	23.29	23.13	23.5	1		
1.4	QPSK	6	0	22.53	22.39	22.34				
1.4	16QAM	1	0	22.53	22.54	22.41				
1.4	16QAM	1	3	22.42	22.46	22.26				
1.4	16QAM	1	5	22.39	22.48	22.44	23.5	1		
1.4	16QAM	3	0	22.53	22.45	22.25				
1.4	16QAM	3	1	22.51	22.43	22.25				
1.4	16QAM	3	3	22.46	22.38	22.28				
1.4	16QAM	6	0	21.27	21.41	21.15	22.5	2		
1.4	64QAM	1	0	21.52	21.52	21.50				
1.4	64QAM	1	3	21.85	21.66	21.42				
1.4	64QAM	1	5	21.50	21.40	21.49				
1.4	64QAM	3	0	21.44	21.40	21.32	22.5	2		
1.4	64QAM	3	1	21.39	21.42	21.35				
1.4	64QAM	3	3	21.35	21.35	21.32				
1.4	64QAM	6	0	20.48	20.37	20.35				
1.4	64QAM	6	3	20.35	20.37	20.35	21.5	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	23.18	23.27	23.15	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.52	23.62	23.24	24.5	0		
1.4	QPSK	1	5	23.22	23.25	23.11				
1.4	QPSK	3	0	23.08	23.22	23.16				
1.4	QPSK	3	1	23.10	23.27	23.18				
1.4										

Band 5_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 Frequency (MHz)								
				20400	20500	20600		
				830	830.5	844		
10	QPSK	1	0	23.08	23.19	23.03	24.5	0
10	QPSK	1	25	23.11	23.22	23.07		
10	QPSK	1	49	23.20	23.11	22.99		
10	QPSK	25	0	22.03	22.13	22.09	23.5	1
10	QPSK	25	12	22.03	22.24	22.15		
10	QPSK	25	25	22.02	22.10	22.03		
10	QPSK	50	0	22.15	22.20	22.18	23.5	1
10	16QAM	1	0	22.55	22.70	22.67		
10	16QAM	1	25	22.76	22.77	22.75		
10	16QAM	1	49	22.59	22.73	22.60	22.5	2
10	16QAM	25	0	21.05	21.07	20.95		
10	16QAM	25	12	21.29	21.31	21.31		
10	16QAM	25	25	20.93	21.04	20.98	22.5	2
10	16QAM	50	0	21.07	21.11	21.02		
10	64QAM	1	0	21.49	21.50	21.39		
10	64QAM	1	25	21.53	21.54	21.49	22.5	2
10	64QAM	1	49	21.40	21.46	21.45		
10	64QAM	25	0	20.18	20.19	20.16		
10	64QAM	25	12	20.22	20.27	20.20	21.5	3
10	64QAM	25	25	20.04	20.14	20.03		
10	64QAM	50	0	20.17	20.22	20.16		
Channel Frequency (MHz)								
				20405	20505	20605		
				830.5	836.5	846.5		
5	QPSK	1	0	23.04	23.05	22.90	24.5	0
5	QPSK	1	12	23.17	23.08	22.95		
5	QPSK	1	24	23.02	23.06	22.91		
5	QPSK	12	0	21.99	22.07	21.08	23.5	1
5	QPSK	12	7	22.08	22.23	22.06		
5	QPSK	12	13	21.92	22.00	22.00		
5	QPSK	25	0	22.06	22.07	22.05	23.5	1
5	16QAM	1	0	22.50	22.61	22.58		
5	16QAM	1	12	22.74	22.73	22.75		
5	16QAM	1	24	22.57	22.58	22.48	22.5	2
5	16QAM	12	0	20.90	20.99	20.82		
5	16QAM	12	7	21.29	21.19	21.17		
5	16QAM	12	13	20.83	20.90	20.91	21.5	3
5	16QAM	25	0	20.95	20.96	20.97		
5	64QAM	1	0	21.47	21.47	21.29		
5	64QAM	1	12	21.52	21.52	21.46	22.5	2
5	64QAM	1	24	21.30	21.38	21.45		
5	64QAM	12	0	20.09	20.07	20.12		
5	64QAM	12	7	20.13	20.12	20.11	21.5	3
5	64QAM	12	13	19.94	20.03	19.99		
5	64QAM	25	0	20.08	20.13	20.11		
Channel Frequency (MHz)								
				20415	20525	20635		
				826.5	836.5	847.5		
3	QPSK	1	0	22.93	23.05	22.90	24.5	0
3	QPSK	1	8	23.17	23.09	22.86		
3	QPSK	1	14	23.09	23.11	22.90		
3	QPSK	8	0	21.93	22.10	21.99	23.5	1
3	QPSK	8	4	22.17	22.16	22.14		
3	QPSK	8	7	21.91	22.09	21.92		
3	QPSK	15	0	22.06	22.18	22.14	23.5	1
3	16QAM	1	0	22.40	22.70	22.63		
3	16QAM	1	8	22.65	22.74	22.69		
3	16QAM	1	14	22.45	22.70	22.46	22.5	2
3	16QAM	8	0	21.00	21.00	20.93		
3	16QAM	8	4	21.26	21.24	21.21		
3	16QAM	8	7	20.87	21.01	20.84	22.5	2
3	16QAM	15	0	20.94	21.04	20.87		
3	64QAM	1	0	21.48	21.48	21.30		
3	64QAM	1	8	21.51	21.50	21.43	22.5	2
3	64QAM	1	14	21.32	21.33	21.32		
3	64QAM	8	0	20.06	20.10	20.04		
3	64QAM	8	4	20.07	20.15	20.17	21.5	3
3	64QAM	8	7	20.04	20.08	19.99		
3	64QAM	15	0	20.02	20.11	20.02		
Channel Frequency (MHz)								
				824.7	836.5	848.3		
1.4	QPSK	1	0	23.03	23.10	23.00	24.5	0
1.4	QPSK	1	3	23.20	23.09	23.02		
1.4	QPSK	1	6	23.05	23.07	22.96		
1.4	QPSK	3	0	23.08	23.08	22.89	23.5	1
1.4	QPSK	3	1	23.02	22.98	22.84		
1.4	QPSK	3	3	23.03	23.06	22.98		
1.4	QPSK	6	0	22.04	22.17	22.04	23.5	1
1.4	16QAM	1	0	22.43	22.68	22.62		
1.4	16QAM	1	3	22.67	22.66	22.74		
1.4	16QAM	1	5	22.57	22.82	22.48	23.5	1
1.4	16QAM	3	0	22.46	22.86	22.55		
1.4	16QAM	3	1	22.43	22.58	22.56		
1.4	16QAM	3	3	22.52	22.84	22.54	22.5	2
1.4	16QAM	6	0	21.07	21.00	20.99		
1.4	64QAM	1	0	21.47	21.36	21.31		
1.4	64QAM	1	3	21.47	21.44	21.43	22.5	2
1.4	64QAM	1	5	21.31	21.45	21.41		
1.4	64QAM	3	0	21.07	21.09	20.99		
1.4	64QAM	3	1	21.07	21.08	21.01	21.5	3
1.4	64QAM	3	3	21.05	20.99	21.02		
1.4	64QAM	6	0	20.15	20.15	20.14		

Band 5_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 Frequency (MHz)								
				20400	20500	20600		
				820	830.5	844		
10	QPSK	1	0	22.93	22.78	22.92	24	0
10	QPSK	1	25	23.05	23.09	22.90		
10	QPSK	1	49	22.97	22.86	22.75		
10	QPSK	25	0	21.88	21.92	21.8	23	1
10	QPSK	25	12	22.04	22.13	21.93		
10	QPSK	25	25	22	21.84	21.66		
10	QPSK	50	0	22.01	22.08	21.95	23	1
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13		
10	16QAM	1	49	22.16	22.02	22.23	22	2
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.98	21.03	20.98		
10	16QAM	25	25	20.8	20.9	20.88	22	2
10	16QAM	50	0	20.96	20.95	20.8		
10	64QAM	1	0	20.95	21.27	21.33	22	2
10	64QAM	1	25	21.41	21.37	21.18		
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.98	20.02	19.94	21	3
10	64QAM	25	12	20.1	20.12	20.03		
10	64QAM	25	25	19.98	19.98	19.74		
10	64QAM	50	0	19.9	20.05	19.8		
Channel Frequency (MHz)								
				826.5	836.5	846.5		
				826.5	836.5	846.5		
5	QPSK	1	0	22.78	22.71	22.82	24	0
5	QPSK	1	12	22.98	22.98	22.81		
5	QPSK	1	24	22.84	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77	23	1
5	QPSK	12	7	21.07	22.03	21.63		
5	QPSK	12	13	21.93	21.93	21.60		
5	QPSK	25	0	21.90	21.96	21.82	23	1
5	16QAM	1	0	21.93	22.05	21.93		
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.08	22	2
5	16QAM	12	0	20.91	20.90	20.74		
5	16QAM	12	7	20.96	20.89	20.92		
5	16QAM	12	13	20.80	20.80	20.67	22	2
5	16QAM	25	0	20.85	20.93	20.78		
5	64QAM	1	0	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07	22	2
5	64QAM	1	24	20.81	20.82	20.81		
5	64QAM	12	0	19.82	19.92	19.85		
5	64QAM	12	7	19.95	19.84	19.98	21	3
5	64QAM	12	13	19.88	19.92	19.85		
5	64QAM	12	25	19.81	19.98	19.88		
Channel Frequency (MHz)								
				20415	20525	20636		
				826.5	836.5	846.5		
3	QPSK	1	0	22.85	22.73	22.85	24	0
3	QPSK	1	8	22.90	22.87	22.89		
3	QPSK	1	14	22.88	22.76	22.80		
3	QPSK	8	0	21.77	21.89	21.67	23	1
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	22.04	21.65		
3	QPSK	15	0	21.86	22.04	21.80	23	1
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08		
3	16QAM	1	14	22.15	21.98	22.15	22	2
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.99	20.93	20.83		
3	16QAM	8	7	20.74	20.73	20.59	22	2
3	16QAM	15	0	20.88	20.85	20.68		
3	64QAM	1	0	20.95	21.23	21.29		
3	64QAM	1	8	21.41	21.33	21.04	22	2
3	64QAM	1	14	20.91	20.93	20.80		
3	64QAM	8	0	19.89	20.00	19.86		
3	64QAM	8	7	20.01	19.93	19.93	21	3
3	64QAM	8	7	19.80	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)								
				20607	836.5	848.3		
				826.7	836.5	848.3		
1.4	QPSK	1	0	22.92	22.68	22.88	24	0
1.4	QPSK	1	8	22.93	22.65	22.84		
1.4	QPSK	1	5	22.87	22.74	22.85		
1.4	QPSK	3	0	22.85	22.75	22.75	23	1
1.4	QPSK	3	1	22.95	22.82	22.72		
1.4	QPSK	3	3	22.82	22.84	22.73		
1.4	QPSK	6	0	21.89	21.94	21.90	23	1
1.4	16QAM	1	0	21.93	21.99	22.11		
1.4	16QAM	1	3	21.95	22.05	22.04		
1.4	16QAM	1	5	21.90	22.08	21.88	23	1
1.4	16QAM	3	0	21.98	22.07	21.81		
1.4	16QAM	3	1	21.94	21.94	21.95		
1.4	16QAM	3	3	21.88	22.08	21.85	22	2
1.4	16QAM	6	0	20.93	20.96	20.74		
1.4	64QAM	1	0	20.91	21.13	21.23		
1.4	64QAM	1	3	21.03	21.02	20.75	22	2
1.4	64QAM	1	5	21.00	21.04	20.82		
1.4	64QAM	3	0	20.98	20.90	20.70		
1.4	64QAM	3	1	20.91	20.92	20.88	21	3
1.4	64QAM	3	3	21.05	20.97	20.86		
1.4	64QAM	6	0	19.98	19.95	19.65		

Band 7_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 Frequency (MHz)				20950	21100	21350		
20	QPSK	1	0	23.17	23.17	22.98	24	0
20	QPSK	1	49	23.24	23.25	23.19		
20	QPSK	1	99	22.33	22.37	22.17		
20	QPSK	50	24	22.35	22.50	22.35		
20	QPSK	50	50	22.41	22.33	22.25	23	1
20	QPSK	100	0	22.35	22.37	22.23		
20	16QAM	1	0	22.65	22.40	22.34		
20	16QAM	1	49	22.43	22.54	22.56		
20	16QAM	1	99	22.27	22.09	22.24	23	1
20	16QAM	50	0	21.36	21.38	21.12		
20	16QAM	50	24	21.52	21.40	21.31		
20	16QAM	50	50	21.36	21.20	21.33		
20	16QAM	100	0	21.35	21.27	21.26	22	2
20	64QAM	1	0	21.58	21.23	21.34		
20	64QAM	1	49	21.37	21.50	21.36		
20	64QAM	1	99	21.60	21.50	21.46		
20	64QAM	50	0	20.39	20.36	20.21	22	2
20	64QAM	50	24	20.55	20.37	20.41		
20	64QAM	50	50	20.45	20.26	20.40		
20	64QAM	100	0	20.42	20.40	20.29		
Channel Frequency (MHz)				20950	21100	21375	Tune-up limit (dBm)	MPR (dB)
2597.5				2535	2562.5	2597.5		
15	QPSK	1	0	23.14	23.16	22.83	24	0
15	QPSK	1	37	23.46	23.27	23.32		
15	QPSK	1	74	23.13	23.24	23.05		
15	QPSK	36	0	22.23	22.25	22.08		
15	QPSK	36	20	22.38	22.37	22.13	23	1
15	QPSK	36	39	22.38	22.20	22.20		
15	QPSK	75	0	22.30	22.36	22.14		
15	16QAM	1	0	22.61	22.31	22.19		
15	16QAM	1	37	22.42	22.51	22.42	23	1
15	16QAM	1	74	22.19	21.99	22.21		
15	16QAM	36	0	21.22	21.26	20.90		
15	16QAM	36	20	21.46	21.27	21.17		
15	16QAM	36	39	21.24	21.08	21.27	22	2
15	16QAM	75	0	21.22	21.15	21.17		
15	64QAM	1	0	21.55	21.23	21.25		
15	64QAM	1	37	21.27	21.38	21.32		
15	64QAM	1	74	21.46	21.50	21.42	22	2
15	64QAM	36	0	20.36	20.30	20.21		
15	64QAM	36	20	20.52	20.27	20.26		
15	64QAM	36	39	20.41	20.24	20.30		
15	64QAM	75	0	20.30	20.27	20.20	21	3
Channel Frequency (MHz)				20950	21100	21400		
2597.5				2535	2562.5	2597.5	Tune-up limit (dBm)	
10	QPSK	1	0	23.11	23.11	22.90	24	0
10	QPSK	1	25	23.30	23.39	23.33		
10	QPSK	1	49	23.23	23.14	23.04		
10	QPSK	25	0	22.27	22.30	22.09		
10	QPSK	25	12	22.33	22.40	22.20	23	1
10	QPSK	25	25	22.31	22.18	22.22		
10	QPSK	50	0	22.32	22.35	22.22		
10	16QAM	1	0	22.58	22.31	22.31		
10	16QAM	1	25	22.43	22.41	22.48	23	1
10	16QAM	1	49	22.12	21.95	22.18		
10	16QAM	25	0	21.27	21.34	20.97		
10	16QAM	25	12	21.41	21.40	21.31		
10	16QAM	25	25	21.28	21.13	21.26	22	2
10	16QAM	50	0	21.33	21.15	21.11		
10	64QAM	1	0	21.55	21.08	21.22		
10	64QAM	1	25	21.35	21.50	21.33		
10	64QAM	1	49	21.54	21.45	21.37	22	2
10	64QAM	25	0	20.24	20.23	20.21		
10	64QAM	25	12	20.53	20.35	20.38		
10	64QAM	25	25	20.40	20.23	20.29		
10	64QAM	50	0	20.37	20.32	20.26	21	3
Channel Frequency (MHz)				20775 <th>21100<th>21425</th></th>	21100 <th>21425</th>	21425		
2597.5				2535 <th>2562.5<th>2597.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	2562.5 <th>2597.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	2597.5	Tune-up limit (dBm)	
5	QPSK	1	0	23.14	23.16	22.83	24	0
5	QPSK	1	12	23.28	23.30	23.33		
5	QPSK	1	24	23.12	23.21	23.06		
5	QPSK	12	0	22.32	22.28	22.05		
5	QPSK	12	7	22.39	22.48	22.34	23	1
5	QPSK	12	13	22.32	22.39	22.10		
5	QPSK	25	0	22.23	22.26	22.22		
5	16QAM	1	0	22.50	22.27	22.28		
5	16QAM	1	12	22.29	22.41	22.50	23	1
5	16QAM	1	24	22.20	22.00	22.11		
5	16QAM	12	0	21.28	21.35	20.99		
5	16QAM	12	7	21.40	21.26	21.21		
5	16QAM	12	13	21.30	21.13	21.25	22	2
5	16QAM	25	0	21.30	21.27	21.13		
5	64QAM	1	0	21.43	21.12	21.26		
5	64QAM	1	12	21.37	21.44	21.34		
5	64QAM	1	24	21.47	21.36	21.35	22	2
5	64QAM	12	0	20.30	20.31	20.08		
5	64QAM	12	7	20.44	20.33	20.34		
5	64QAM	12	13	20.38	20.19	20.40		
5	64QAM	25	0	20.28	20.27	20.27	21	3
Channel Frequency (MHz)				20950	21100	21400		
2597.5				2535 <th>2562.5<th>2597.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	2562.5 <th>2597.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	2597.5	Tune-up limit (dBm)	

Band 7_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 Frequency (MHz)								
				20950	21100	21350		
20	QPSK	1	0	23.10	23.07	23.02	24	0
20	QPSK	1	49	23.13	23.15	23.11		
20	QPSK	1	99	23.11	23.11	23.07		
20	QPSK	50	0	21.92	22.05	21.88		
20	QPSK	50	24	22.05	22.11	21.88	23	1
20	QPSK	50	50	22.03	22.05	22.00		
20	QPSK	100	0	22.02	22.09	22.08		
20	16QAM	1	0	22.15	22.46	22.48		
20	16QAM	1	49	22.39	22.47	22.27	23	1
20	16QAM	1	99	22.22	22.34	22.16		
20	16QAM	50	0	21.20	21.38	21.17		
20	16QAM	50	24	21.35	21.48	21.35		
20	16QAM	50	50	21.32	21.39	21.11	22	2
20	16QAM	100	0	21.18	21.41	21.10		
20	64QAM	1	0	21.46	21.27	21.27		
20	64QAM	1	49	21.13	21.39	21.11		
20	64QAM	1	99	21.50	21.37	21.27	22	2
20	64QAM	50	0	20.26	20.30	20.18		
20	64QAM	50	24	20.31	20.46	20.25		
20	64QAM	50	50	20.35	20.36	20.15		
20	64QAM	100	0	20.28	20.43	20.13	21	3
Channel Frequency (MHz)				20950	21100	21350		
15	QPSK	1	0	23.08	23.02	22.90	24	0
15	QPSK	1	37	23.09	23.09	23.08		
15	QPSK	74	1	23.09	23.08	23.07		
15	QPSK	36	0	21.87	21.99	21.83		
15	QPSK	36	20	21.85	21.99	21.96	23	1
15	QPSK	36	21.91	21.87	21.88			
15	QPSK	75	0	21.90	22.07	21.99		
15	16QAM	1	0	22.07	22.40	22.47		
15	16QAM	1	37	22.38	22.40	22.35	23	1
15	16QAM	1	74	22.11	22.32	22.11		
15	16QAM	36	0	21.08	21.28	21.15		
15	16QAM	36	20	21.31	21.45	21.28		
15	16QAM	36	36	21.31	21.31	21.04	22	2
15	16QAM	75	0	21.09	21.30	21.07		
15	64QAM	1	0	21.41	21.35	21.24		
15	64QAM	1	37	21.02	21.29	21.04		
15	64QAM	1	74	21.47	21.34	21.21	22	2
15	64QAM	36	0	20.22	20.25	20.11		
15	64QAM	36	20	20.21	20.31	20.18		
15	64QAM	36	36	20.24	20.26	20.04		
15	64QAM	75	0	20.22	20.31	20.09	21	3
Channel Frequency (MHz)				20950	21100	21400		
10	QPSK	1	0	23.00	22.89	22.81	24	0
10	QPSK	1	25	23.05	23.05	23.04		
10	QPSK	1	49	23.06	23.00	22.95		
10	QPSK	25	0	21.88	21.87	21.82		
10	QPSK	25	12	21.84	22.09	21.94	23	1
10	QPSK	25	25	21.81	21.83	21.82		
10	QPSK	50	0	21.92	22.03	22.03		
10	16QAM	1	0	22.05	22.36	22.41		
10	16QAM	1	25	22.31	22.38	22.15	23	1
10	16QAM	1	49	22.19	22.23	22.05		
10	16QAM	25	0	21.18	21.32	21.07		
10	16QAM	25	12	21.29	21.45	21.26		
10	16QAM	25	25	21.28	21.34	21.09	22	2
10	16QAM	50	0	21.16	21.37	20.99		
10	64QAM	1	0	21.44	21.17	21.22		
10	64QAM	1	12	21.10	21.32	21.07		
10	64QAM	1	49	21.41	21.26	21.23	22	2
10	64QAM	25	0	20.14	20.20	20.15		
10	64QAM	25	12	20.28	20.33	20.19		
10	64QAM	25	25	20.25	20.25	20.07		
10	64QAM	50	0	20.26	20.38	20.04	21	3
Channel Frequency (MHz)				20950	21100	21500		
5	QPSK	1	0	23.02	22.98	22.92	24	0
5	QPSK	1	12	23.08	23.03	23.07		
5	QPSK	1	24	23.07	23.08	23.03		
5	QPSK	12	0	21.81	21.94	21.82		
5	QPSK	12	12	22.02	22.03	21.98	23	1
5	QPSK	12	13	21.91	21.97	21.94		
5	QPSK	25	0	21.84	21.87	22.02		
5	QPSK	25	12	22.12	22.44	22.38		
5	16QAM	1	12	22.27	22.41	22.21	23	1
5	16QAM	1	24	22.17	22.25	22.04		
5	16QAM	12	0	21.13	21.26	21.08		
5	16QAM	12	7	21.25	21.44	21.31		
5	16QAM	12	13	21.20	21.28	21.00	22	2
5	16QAM	25	0	21.11	21.32	21.04		
5	64QAM	1	0	21.38	21.35	21.23		
5	64QAM	1	12	21.11	21.34	20.99		
5	64QAM	1	24	21.44	21.35	21.24	22	2
5	64QAM	12	0	20.24	20.26	20.12		
5	64QAM	12	7	20.26	20.33	20.17		
5	64QAM	12	13	20.33	20.37	20.13		
5	64QAM	25	0	20.16	20.38	20.09	21	3
Channel Frequency (MHz)				20950	21100	21600		

Band 12_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								
Frequency (MHz)								
23004 707.5 23096 23192								
10	QPSK	1	0	22.80	22.72	22.84	24	0
10	QPSK	1	25	22.80	22.80	22.93		
10	QPSK	1	49	22.83	22.85	22.89		
10	QPSK	25	0	21.86	21.83	21.80	23	1
10	QPSK	25	12	21.80	21.85	21.71		
10	QPSK	25	25	21.80	21.87	21.83		
10	QPSK	50	0	21.79	21.98	21.95	23	1
10	16QAM	1	0	21.74	22.37	22.08		
10	16QAM	1	25	22.11	22.11	22.57		
10	16QAM	1	49	22.52	22.53	22.12	23	1
10	16QAM	25	0	20.72	20.98	20.84		
10	16QAM	25	12	21.00	20.92	20.94		
10	16QAM	25	25	20.96	20.92	20.79	22	2
10	16QAM	50	0	20.84	20.86	20.90		
10	64QAM	1	0	20.86	21.22	21.22		
10	64QAM	1	25	21.37	21.40	21.35	22	2
10	64QAM	1	49	21.33	21.14	20.96		
10	64QAM	25	0	19.82	19.93	19.86		
10	64QAM	25	12	20.10	20.06	19.99	21	3
10	64QAM	25	25	19.99	19.94	19.94		
10	64QAM	50	0	19.95	19.94	20.00		
Channel								
Frequency (MHz)								
23005 707.5 23096 23192								
5	QPSK	1	0	22.73	22.64	22.76	24	0
5	QPSK	1	12	22.63	22.66	22.87		
5	QPSK	1	24	22.89	22.71	22.87		
5	QPSK	12	0	21.54	21.74	21.65	23	1
5	QPSK	12	7	21.86	21.74	21.86		
5	QPSK	12	13	21.69	21.84	21.73		
5	QPSK	25	0	21.71	21.98	21.85	23	1
5	16QAM	1	0	21.72	22.32	21.99		
5	16QAM	1	12	21.97	22.06	22.45		
5	16QAM	1	24	22.41	22.41	22.07	23	1
5	16QAM	12	0	20.66	20.83	20.71		
5	16QAM	12	7	20.91	20.92	20.79		
5	16QAM	12	13	20.90	20.92	20.66	22	2
5	16QAM	25	0	20.81	20.78	20.83		
5	64QAM	1	0	20.84	21.10	21.12		
5	64QAM	1	12	21.28	21.27	21.33	22	2
5	64QAM	1	24	21.31	21.09	20.95		
5	64QAM	12	0	19.82	19.80	19.84		
5	64QAM	12	7	19.97	19.96	19.88	21	3
5	64QAM	12	13	19.87	19.89	19.80		
5	64QAM	25	0	19.83	19.89	19.85		
Channel								
Frequency (MHz)								
23005 707.5 23096 23166								
3	QPSK	1	0	22.77	22.62	22.76	24	0
3	QPSK	1	8	22.91	22.98	22.76		
3	QPSK	1	14	22.78	22.75	22.80		
3	QPSK	8	0	21.63	21.80	21.74	23	1
3	QPSK	8	4	21.85	21.75	21.75		
3	QPSK	8	7	21.67	21.82	21.74		
3	QPSK	15	0	21.78	21.85	21.90	23	1
3	16QAM	1	0	21.70	22.28	22.04		
3	16QAM	1	8	21.96	22.06	22.54		
3	16QAM	1	14	22.46	22.38	22.08	22	2
3	16QAM	8	0	20.57	20.90	20.72		
3	16QAM	8	4	20.87	20.81	20.90		
3	16QAM	8	7	20.94	20.88	20.79	22	2
3	16QAM	15	0	20.82	20.82	20.80		
3	64QAM	1	0	20.80	21.16	21.13		
3	64QAM	1	8	21.37	21.30	21.23	22	2
3	64QAM	1	14	21.33	21.02	20.84		
3	64QAM	8	0	19.87	19.88	19.83		
3	64QAM	8	4	20.04	19.94	19.85	21	3
3	64QAM	8	7	19.86	19.89	19.84		
3	64QAM	15	0	19.86	19.93	19.90		
Channel								
Frequency (MHz)								
23017 707.5 23166 23192								
1.4	QPSK	1	0	22.70	22.74	22.61	24	0
1.4	QPSK	1	3	22.80	22.81	22.65		
1.4	QPSK	1	6	22.79	22.82	22.71		
1.4	QPSK	3	0	22.69	22.83	22.74	23	1
1.4	QPSK	3	3	22.81	22.82	22.70		
1.4	QPSK	6	0	21.82	21.87	21.88		
1.4	16QAM	1	0	22.27	21.89	21.92	23	1
1.4	16QAM	1	3	22.19	22.18	21.95		
1.4	16QAM	1	5	21.94	21.97	21.87		
1.4	16QAM	3	0	21.70	21.77	21.78	23	1
1.4	16QAM	3	1	21.83	21.93	21.91		
1.4	16QAM	3	3	21.84	21.73	21.92		
1.4	16QAM	6	0	21.07	21.05	20.99	22	2
1.4	64QAM	1	0	21.25	21.03	20.85		
1.4	64QAM	1	3	21.24	20.89	20.94		
1.4	64QAM	1	5	20.90	21.05	21.19	22	2
1.4	64QAM	3	0	20.85	21.23	21.24		
1.4	64QAM	3	1	21.10	20.76	21.13		
1.4	64QAM	3	3	21.07	21.12	20.99	21	3
1.4	64QAM	6	0	19.85	19.95	19.94		

Band 12_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 Frequency (MHz)				23000	23096	23192		
				704	707.5	711		
10	QPSK	1	0	22.71	22.61	22.85	24	0
10	QPSK	1	25	22.68	22.82	22.83		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.65	21.64	23	1
10	QPSK	25	12	21.74	21.68	21.70		
10	QPSK	25	25	21.73	21.63	21.66		
10	QPSK	50	0	21.68	21.75	21.73	23	1
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01		
10	16QAM	1	49	22.04	22.29	22.07	22	2
10	16QAM	25	0	20.70	20.86	20.82		
10	16QAM	25	12	20.88	20.85	20.79		
10	16QAM	25	25	20.84	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.78		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91	22	2
10	64QAM	1	49	20.93	20.94	20.85		
10	64QAM	25	0	19.68	19.79	19.75		
10	64QAM	25	12	19.81	19.80	19.91	21	3
10	64QAM	25	25	19.88	19.80	19.93		
10	64QAM	50	0	19.74	19.80	19.86		
Channel Frequency (MHz)				23005	23095	23165	Tune-up limit (dBm)	MPR (dB)
				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.60	22.56	24	0
5	QPSK	1	12	22.76	22.63	22.83		
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.64	21.64	23	1
5	QPSK	12	7	21.86	21.69	21.76		
5	QPSK	12	13	21.71	21.63	21.51		
5	QPSK	25	0	21.53	21.72	21.71	23	1
5	16QAM	1	0	21.96	22.05	22.09		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	23	1
5	16QAM	12	0	20.68	20.81	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.76	20.72	22	2
5	16QAM	25	0	20.97	20.77	20.61		
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.82	20.84	20.77	22	2
5	64QAM	1	24	20.86	20.79	20.78		
5	64QAM	12	0	19.55	19.69	19.70		
5	64QAM	12	7	19.77	19.81	19.78	21	3
5	64QAM	12	13	19.79	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.73		
Channel Frequency (MHz)				23025	23095	23166	Tune-up limit (dBm)	MPR (dB)
				703.5	707.5	714.5		
3	QPSK	1	0	22.09	22.52	22.52	24	0
3	QPSK	1	8	22.85	22.87	22.85		
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	21.41	21.63	21.58	23	1
3	QPSK	8	4	21.68	21.72	21.68		
3	QPSK	8	7	21.81	21.56	21.81		
3	QPSK	15	0	21.84	21.66	21.62	23	1
3	16QAM	1	0	22.01	21.91	21.96		
3	16QAM	1	8	22.19	22.31	21.98		
3	16QAM	1	14	21.89	22.23	21.98	22	2
3	16QAM	8	0	20.55	20.64	20.62		
3	16QAM	8	4	20.74	20.84	20.69		
3	16QAM	8	7	20.63	20.71	20.65	22	2
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.95	21.05		
3	64QAM	1	8	21.00	20.80	20.86	22	2
3	64QAM	1	14	20.85	20.82	20.81		
3	64QAM	8	0	19.64	19.70	19.71		
3	64QAM	8	4	19.87	19.80	19.80	21	3
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76		
Channel Frequency (MHz)				23037.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.70	22.57	22.62	24	0
1.4	QPSK	1	3	22.73	22.62	22.62		
1.4	QPSK	1	5	22.70	22.68	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71	23	1
1.4	QPSK	3	1	22.82	22.82	22.72		
1.4	QPSK	3	3	22.76	22.80	22.68		
1.4	QPSK	6	0	21.70	21.81	21.64	23	1
1.4	16QAM	1	0	22.09	22.05	21.91		
1.4	16QAM	1	3	22.28	22.31	21.96		
1.4	16QAM	1	5	22.02	22.29	22.04	22	2
1.4	16QAM	3	0	21.98	22.03	22.02		
1.4	16QAM	3	1	22.03	22.03	21.89		
1.4	16QAM	3	3	21.99	22.13	22.03	22	2
1.4	16QAM	6	0	20.61	20.68	20.59		
1.4	64QAM	1	0	20.90	20.90	20.97		
1.4	64QAM	1	3	20.95	20.79	20.86	22	2
1.4	64QAM	1	5	20.84	20.72	20.84		
1.4	64QAM	3	0	20.83	20.94	21.06		
1.4	64QAM	3	1	20.86	20.99	20.98	21	3
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	6	0	19.68	19.69	19.77		

Band 13_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 Frequency (MHz)				752			24	0
10	QPSK	1	0	23.01				
10	QPSK	1	25	22.85			23	1
10	QPSK	1	49	22.98				
10	QPSK	25	0	21.80				
10	QPSK	25	12	21.58				
10	QPSK	25	25	21.89			23	1
10	QPSK	50	0	21.90				
10	16QAM	1	0	22.25				
10	16QAM	1	25	22.37				
10	16QAM	1	49	22.43			22	2
10	16QAM	25	0	20.95				
10	16QAM	25	12	21.15				
10	16QAM	25	25	20.96				
10	16QAM	50	0	20.95			22	2
10	64QAM	1	0	21.15				
10	64QAM	1	25	21.08				
10	64QAM	1	49	21.32				
10	64QAM	25	0	19.90			21	3
10	64QAM	25	12	20.08				
10	64QAM	25	25	19.95				
10	64QAM	50	0	19.85				
Channel Frequency (MHz)				23205	23220	23255	24	0
5	QPSK	1	0	22.99	22.95	22.96		
5	QPSK	1	12	22.86	22.92	22.93	23	1
5	QPSK	1	24	22.97	22.83	22.96		
5	QPSK	12	0	21.79	21.72	21.76		
5	QPSK	12	7	21.88	21.97	21.80		
5	QPSK	12	13	21.84	21.76	21.89	23	1
5	QPSK	25	0	21.88	21.77	21.84		
5	16QAM	1	0	22.21	22.20	22.12		
5	16QAM	1	12	22.37	22.29	22.27		
5	16QAM	1	24	22.32	22.28	22.37	22	2
5	16QAM	12	0	20.72	20.84	20.73		
5	16QAM	12	7	21.01	21.11	21.10		
5	16QAM	12	13	20.88	20.83	20.88		
5	16QAM	25	0	20.85	20.88	20.85	22	2
5	64QAM	1	0	21.00	21.10	21.07		
5	64QAM	1	12	21.06	21.04	21.06		
5	64QAM	1	24	21.22	21.18	21.24		
5	64QAM	12	0	19.90	19.82	19.89	21	3
5	64QAM	12	7	20.02	19.97	20.02		
5	64QAM	12	13	19.81	19.85	19.94		
5	64QAM	25	0	19.80	19.80	19.75		

Band 13_Ant 31

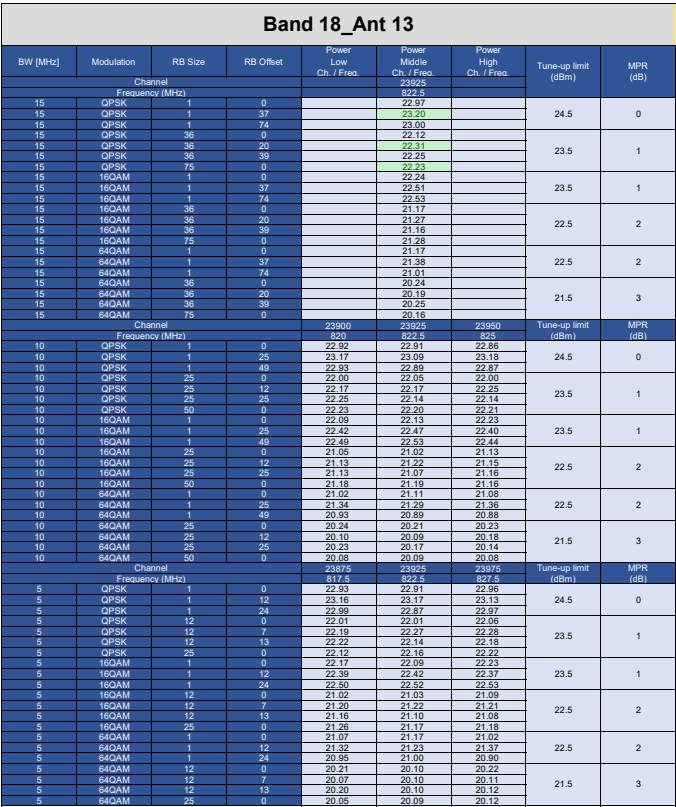
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				752			24	0
10	QPSK	1	0	22.83				
10	QPSK	1	25	22.85			23	1
10	QPSK	1	49	22.85				
10	QPSK	25	0	21.67				
10	QPSK	25	12	21.67				
10	QPSK	25	25	21.74			23	1
10	QPSK	50	0	21.78				
10	16QAM	1	0	21.88				
10	16QAM	1	25	22.01				
10	16QAM	1	49	21.95			22	2
10	16QAM	25	0	20.75				
10	16QAM	25	12	20.79				
10	16QAM	25	25	20.68				
10	16QAM	50	0	20.79			22	2
10	64QAM	1	0	21.06				
10	64QAM	1	25	21.16				
10	64QAM	1	49	20.84				
10	64QAM	25	0	19.85			21	3
10	64QAM	25	12	19.88				
10	64QAM	25	25	19.73				
10	64QAM	50	0	19.76				
Channel Frequency (MHz)				23205	23220	23255	24	0
5	QPSK	1	0	22.82	22.73	22.83		
5	QPSK	1	12	22.81	22.85	22.74	23	1
5	QPSK	1	24	22.72	22.80	22.79		
5	QPSK	12	0	21.53	21.61	21.60		
5	QPSK	12	7	21.85	21.87	21.85		
5	QPSK	12	13	21.85	21.73	21.67	23	1
5	QPSK	25	0	21.75	21.65	21.62		
5	16QAM	1	0	21.93	21.95	21.99		
5	16QAM	1	12	21.94	21.87	21.91		
5	16QAM	1	24	21.91	21.89	21.89	22	2
5	16QAM	12	0	20.70	20.68	20.60		
5	16QAM	12	7	20.64	20.66	20.76		
5	16QAM	12	13	20.57	20.67	20.58		
5	16QAM	25	0	20.77	20.75	20.76	22	2
5	64QAM	1	0	21.04	21.02	21.05		
5	64QAM	1	12	21.16	21.06	21.16		
5	64QAM	1	24	20.85	20.91	20.82		
5	64QAM	12	0	19.70	19.71	19.79	21	3
5	64QAM	12	7	19.85	19.74	19.78		
5	64QAM	12	13	19.72	19.65	19.64		
5	64QAM	25	0	19.67	19.68	19.75		

Band 17_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				23700	23760	23800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				708	710	711		
10	QPSK	1	0	22.73	22.85	22.86	24	0
10	QPSK	1	25	22.01	22.95	22.94		
10	QPSK	1	49	22.86	22.86	22.93		
10	QPSK	25	0	21.80	21.77	21.72	23	1
10	QPSK	25	12	21.53	21.50	21.42		
10	QPSK	25	25	21.81	21.84	21.75		
10	QPSK	50	0	21.81	21.83	21.78	23	1
10	16QAM	1	0	22.08	22.04	22.36		
10	16QAM	1	25	22.49	22.05	22.05		
10	16QAM	1	49	22.35	22.05	22.23	22	2
10	16QAM	25	0	20.86	20.82	20.77		
10	16QAM	25	12	20.88	20.94	20.87		
10	16QAM	25	25	21.00	20.84	20.84	22	2
10	16QAM	50	0	20.81	20.83	20.83		
10	64QAM	1	0	21.19	21.18	21.14		
10	64QAM	1	25	21.39	21.27	21.21	21	3
10	64QAM	1	49	21.12	21.18	21.09		
10	64QAM	25	0	19.94	19.88	19.89		
10	64QAM	25	12	20.00	19.92	19.88	21	3
10	64QAM	25	25	19.85	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83		
Channel				23700	23760	23800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				708.5	710	713.5		
5	QPSK	1	0	22.58	22.72	22.86	24	0
5	QPSK	1	12	22.67	22.86	22.86		
5	QPSK	1	24	22.74	22.78	22.85		
5	QPSK	12	0	21.74	21.7	21.67	23	1
5	QPSK	12	7	21.75	21.78	21.5		
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.78	21.82	21.65	23	1
5	16QAM	1	0	22.04	22.01	22.28		
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14	22	2
5	16QAM	12	0	20.79	20.68	20.74		
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82	22	2
5	16QAM	25	0	20.76	20.68	20.63		
5	64QAM	1	0	21.11	21.09	21.09		
5	64QAM	1	12	21.32	21.19	21.07	21	3
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76		
5	64QAM	12	7	19.98	19.85	19.84	21	3
5	64QAM	12	13	19.9	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 17_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				23700	23760	23800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				708	710	711		
10	QPSK	1	0	22.89	22.72	22.62	24	0
10	QPSK	1	25	22.81	22.85	22.92		
10	QPSK	1	49	22.72	22.70	22.75		
10	QPSK	25	0	21.84	21.73	21.59	23	1
10	QPSK	25	12	21.73	21.75	21.77		
10	QPSK	25	25	21.89	21.74	21.64		
10	QPSK	50	0	21.70	21.72	21.68	23	1
10	16QAM	1	0	21.80	22.07	22.15		
10	16QAM	1	25	21.76	22.04	21.89		
10	16QAM	1	49	22.10	22.09	21.91	22	2
10	16QAM	25	0	20.78	20.73	20.73		
10	16QAM	25	12	20.79	20.79	20.76		
10	16QAM	25	25	20.79	20.72	20.71	22	2
10	16QAM	50	0	20.81	20.79	20.71		
10	64QAM	1	0	20.92	20.73	21.10		
10	64QAM	1	25	20.91	21.18	20.96	21	3
10	64QAM	1	49	20.79	20.93	21.08		
10	64QAM	25	0	19.76	19.80	19.78		
10	64QAM	25	12	19.99	19.89	19.89	21	3
10	64QAM	25	25	19.87	19.83	19.87		
10	64QAM	50	0	19.89	19.79	19.69		
Channel				23700	23760	23800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				708.5	710	713.5		
5	QPSK	1	0	22.84	22.82	22.60	24	0
5	QPSK	1	12	22.71	22.80	22.79		
5	QPSK	1	24	22.57	22.81	22.68		
5	QPSK	12	0	21.80	21.71	21.45	23	1
5	QPSK	12	7	21.59	21.72	21.64		
5	QPSK	12	13	21.62	21.69	21.62		
5	QPSK	25	0	21.86	21.89	21.63	23	1
5	16QAM	1	0	21.99	22.03	22.13		
5	16QAM	1	12	21.84	21.94	21.81		
5	16QAM	1	24	22.03	22.07	21.88	22	2
5	16QAM	12	0	20.66	20.70	20.68		
5	16QAM	12	7	20.75	20.74	20.72		
5	16QAM	12	13	20.65	20.69	20.68	22	2
5	16QAM	25	0	20.73	20.77	20.68		
5	64QAM	1	0	20.80	20.81	21.09		
5	64QAM	1	12	20.84	21.08	20.92	21	3
5	64QAM	1	24	20.84	20.81	21.05		
5	64QAM	12	0	19.72	19.76	19.65		
5	64QAM	12	7	19.93	19.75	19.78	21	3
5	64QAM	12	13	19.73	19.65	19.60		
5	64QAM	25	0	19.79	19.68	19.61		



Band 18_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 Frequency (MHz)				23950	23925	23950	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.61	22.55	22.74			
15	QPSK	1	37	22.83	22.87	22.85	24	0	
15	QPSK	1	74	22.89	22.84	22.81			
15	QPSK	36	0	21.88					
15	QPSK	36	20	21.88	21.86	21.83	23	1	
15	QPSK	36	39	21.88	21.87	21.85			
15	QPSK	75	0	21.91					
15	16QAM	1	0	22.12					
15	16QAM	1	37	22.50			23	1	
15	16QAM	1	74	22.06					
15	16QAM	36	0	20.99					
15	16QAM	36	20	20.99	20.99	20.99	22	2	
15	16QAM	36	39	21.01					
15	16QAM	75	0	20.95					
15	64QAM	1	0	20.95					
15	64QAM	1	37	21.33			22	2	
15	64QAM	1	74	21.21					
15	64QAM	36	0	19.93					
15	64QAM	36	20	19.97			21	3	
15	64QAM	36	39	19.99					
15	64QAM	75	0	19.93					
Channel Frequency (MHz)				23950	23925	23950	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.61	22.55	22.74			
10	QPSK	1	25	22.83	22.87	22.85	24	0	
10	QPSK	49	0	22.75	22.84	22.81			
10	QPSK	25	0	21.84	21.81	21.86			
10	QPSK	25	12	21.87	21.96	21.83	23	1	
10	QPSK	25	39	21.78	21.82	21.75			
10	QPSK	50	0	21.77	21.82	21.88			
10	16QAM	1	0	22.09	22.05	22.12			
10	16QAM	1	25	22.44	22.40	22.48	23	1	
10	16QAM	1	49	22.03	21.99	22.04			
10	16QAM	1	0	20.92	20.99	20.99			
10	16QAM	25	12	20.94	20.97	20.99	22	2	
10	16QAM	25	25	21.01	20.95	21.01			
10	16QAM	50	0	20.81					
10	64QAM	1	0	21.05	21.00	21.05			
10	64QAM	1	25	21.27	21.32	21.29	22	2	
10	64QAM	1	49	21.17	21.18	21.11			
10	64QAM	25	0	19.88	19.86	19.80			
10	64QAM	25	12	19.90	19.88	19.92	21	3	
10	64QAM	25	25	19.84	19.85	19.84			
10	64QAM	50	0	19.87	19.86	19.92			
Channel Frequency (MHz)				23875	23925	23975	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.62	22.65	22.65			
5	QPSK	1	12	22.86	22.84	22.85	24	0	
5	QPSK	24	1	22.78	22.74	22.83			
5	QPSK	12	0	21.87	21.87	21.81			
5	QPSK	12	7	21.93	21.85	21.84	23	1	
5	QPSK	12	19	21.74	21.85	21.72			
5	QPSK	25	0	21.82	21.81	21.90			
5	16QAM	1	0	21.99	22.04	22.00			
5	16QAM	1	22	22.35	22.46	22.35	23	1	
5	16QAM	1	24	22.03	22.02	21.96			
5	16QAM	12	0	20.81	20.93	20.94			
5	16QAM	12	7	20.92	20.93	20.84	22	2	
5	16QAM	12	13	20.95	20.95	20.95			
5	16QAM	25	0	20.85	20.95	20.87			
5	64QAM	1	0	20.85	20.92	20.85			
5	64QAM	1	12	21.23	21.21	21.24	22	2	
5	64QAM	1	24	21.16	21.13	21.08			
5	64QAM	12	0	19.85	19.90	19.86			
5	64QAM	12	7	19.82	19.87	19.93			
5	64QAM	12	13	19.91	19.87	19.87	21	3	
5	64QAM	25	0	19.83	19.87	19.87			

Band 19_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 Frequency (MHz)									
15	QPSK	1	0		24075	837.5	24.5	0	
15	QPSK	1	37		23.06				
15	QPSK	1	74		23.20				
15	QPSK	36	0		22.19		23.5	1	
15	QPSK	36	20		22.24				
15	QPSK	36	39		22.06				
15	QPSK	75	0		22.18		23.5	1	
15	16QAM	1	0		22.31				
15	16QAM	1	37		22.37				
15	16QAM	1	74		22.45		22.5	2	
15	16QAM	36	0		21.09				
15	16QAM	36	20		21.26				
15	16QAM	36	39		21.20		22.5	2	
15	16QAM	75	0		21.19				
15	64QAM	1	0		21.50				
15	64QAM	1	37		21.07		22.5	2	
15	64QAM	1	74		21.15				
15	64QAM	36	0		20.23				
15	64QAM	36	20		20.32		21.5	3	
15	64QAM	36	39		20.14				
15	64QAM	75	0		20.18				
Channel Frequency (MHz)									
10	QPSK	1	0	24050	24075	24100	24.5	0	
10	QPSK	1	25	835	837.5	840			
10	QPSK	1	49	23.02	22.97	23.06			
10	QPSK	25	0	23.15	23.18	23.12	23.5	1	
10	QPSK	25	12	22.08	22.21	23.04			
10	QPSK	25	25	22.06	22.16	22.17			
10	QPSK	25	12	22.11	22.24	22.14	23.5	1	
10	QPSK	25	25	21.99	21.92	21.98			
10	QPSK	50	0	22.07	22.13	22.12			
10	16QAM	1	0	22.26	22.23	22.18	23.5	1	
10	16QAM	1	25	22.35	22.36	22.29			
10	16QAM	1	49	22.30	22.32	22.31			
10	16QAM	25	0	21.03	21.03	21.03	22.5	2	
10	16QAM	25	12	21.12	21.26	21.24			
10	16QAM	25	25	21.07	21.08	21.06			
10	16QAM	50	0	21.14	21.04	21.08	21.5	3	
10	64QAM	1	0	21.35	21.45	21.49			
10	64QAM	1	25	20.98	20.99	20.99			
10	64QAM	1	49	21.05	21.05	21.07	21.5	3	
10	64QAM	25	0	20.08	20.12	20.11			
10	64QAM	25	12	20.26	20.18	20.31			
10	64QAM	25	25	20.12	19.99	20.14	21.5	3	
10	64QAM	50	0	20.17	20.07	20.03			
Channel Frequency (MHz)									
5	QPSK	1	0	24025	24075	24125	24.5	0	
5	QPSK	1	12	832.5	837.5	842.5			
5	QPSK	1	24	22.94	22.94	22.95			
5	QPSK	12	0	23.14	23.14	23.06	23.5	1	
5	QPSK	12	7	22.04	22.05	22.06			
5	QPSK	12	13	22.23	22.24	22.24			
5	QPSK	12	13	22.04	21.93	21.94	23.5	1	
5	QPSK	25	0	22.07	22.03	22.13			
5	16QAM	1	0	22.27	22.20	22.28			
5	16QAM	1	12	22.23	22.36	22.27	23.5	1	
5	16QAM	1	24	22.41	22.34	22.35			
5	16QAM	12	0	20.96	21.04	20.97			
5	16QAM	12	7	21.14	21.18	21.21	22.5	2	
5	16QAM	12	13	21.11	21.12	21.10			
5	16QAM	25	0	21.04	21.08	21.18			
5	64QAM	1	0	21.43	21.35	21.46	22.5	2	
5	64QAM	1	12	21.00	21.00	21.05			
5	64QAM	1	24	21.05	21.13	21.09			
5	64QAM	12	0	20.18	20.15	20.12	21.5	3	
5	64QAM	12	7	20.23	20.20	20.19			
5	64QAM	12	13	20.08	20.09	20.07			
5	64QAM	25	0	20.10	20.18	20.03			

Band 19_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 Frequency (MHz)									
15	QPSK	1	0		22.75		24	0	
15	QPSK	1	37		22.75				
15	QPSK	1	74		22.73				
15	QPSK	36	0		21.90		23	1	
15	QPSK	36	20		21.95				
15	QPSK	36	39		21.95				
15	QPSK	75	0		21.92		23	1	
15	16QAM	1	0		22.03				
15	16QAM	1	37		22.10				
15	16QAM	1	74		21.80		22	2	
15	16QAM	36	0		20.91				
15	16QAM	36	20		21.03				
15	16QAM	36	39		20.87		22	2	
15	16QAM	75	0		20.96				
15	64QAM	1	0		20.96				
15	64QAM	1	37		20.89		22	2	
15	64QAM	1	74		21.01				
15	64QAM	36	0		20.05				
15	64QAM	36	20		20.00		21	3	
15	64QAM	36	39		19.99				
15	64QAM	75	0		20.00				
Channel Frequency (MHz)									
				24050	24075	24100	Tune-up limit (dBm)	MPR (dB)	
				835	837.5	840			
10	QPSK	1	0		22.74	22.74	24	0	
10	QPSK	1	25		22.78	22.81			
10	QPSK	1	49		22.67	22.73			
10	QPSK	25	0		21.86	21.89	23	1	
10	QPSK	25	12		21.95	21.88			
10	QPSK	25	25		21.81	21.91			
10	QPSK	50	0		21.81	21.86	23	1	
10	16QAM	1	0		21.95	21.98			
10	16QAM	1	25		21.99	22.03			
10	16QAM	1	49		21.65	21.69	22	2	
10	16QAM	25	0		20.84	20.79			
10	16QAM	25	12		20.89	20.98			
10	16QAM	25	25		20.83	20.78	22	2	
10	16QAM	50	0		20.76	20.86			
10	64QAM	1	0		20.84	20.88			
10	64QAM	1	25		20.89	20.76	22	2	
10	64QAM	1	49		20.96	21.01			
10	64QAM	25	0		20.02	20.04			
10	64QAM	25	12		19.92	19.89	21	3	
10	64QAM	25	25		19.94	19.77			
10	64QAM	50	0		19.85	20.00			
Channel Frequency (MHz)									
				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)	
				832.5	837.5	842.5			
5	QPSK	1	0		22.83	22.88	24	0	
5	QPSK	1	12		22.87	22.85			
5	QPSK	1	24		22.65	22.63			
5	QPSK	12	0		21.81	21.87	23	1	
5	QPSK	12	7		21.93	21.94			
5	QPSK	12	13		21.80	21.91			
5	QPSK	25	0		21.82	21.85	23	1	
5	16QAM	1	0		22.02	22.03			
5	16QAM	1	12		21.98	22.06			
5	16QAM	1	24		21.63	21.59	22	2	
5	16QAM	12	0		20.87	20.76			
5	16QAM	12	7		20.95	21.00			
5	16QAM	12	13		20.72	20.82	22	2	
5	16QAM	25	0		20.78	20.81			
5	16QAM	1	0		20.92	20.84			
5	64QAM	1	12		20.84	20.76	22	2	
5	64QAM	1	24		20.90	20.97			
5	64QAM	12	0		20.01	19.94			
5	64QAM	12	7		19.91	19.98	21	3	
5	64QAM	12	13		19.81	19.75			
5	64QAM	25	0		19.87	19.85			

Band 26_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				26715	26865	26995				
15	QPSK	1	0	23.26	23.41	23.40	24.5	0		
15	QPSK	1	37	23.17	23.31	23.38				
15	QPSK	1	74	23.29	23.40	23.38				
15	QPSK	36	0	22.34	22.47	22.46	23.5	1		
15	QPSK	36	20	22.05	22.22	22.18				
15	QPSK	36	39	22.39	22.49	22.39				
15	QPSK	75	0	22.60	22.65	22.62	23.5	1		
15	16QAM	1	0	23.01	23.01	22.98				
15	16QAM	1	37	22.89	23.03	23.01				
15	16QAM	1	74	22.81	22.93	22.88	22.5	2		
15	16QAM	36	0	21.37	21.44	21.44				
15	16QAM	36	20	21.49	21.63	21.58				
15	16QAM	36	39	21.51	21.52	21.41	21.5	3		
15	16QAM	75	0	21.39	21.45	21.31				
15	64QAM	1	0	21.84	21.91	21.86				
15	64QAM	1	37	21.92	21.97	21.85	22.5	2		
15	64QAM	1	74	21.70	21.74	21.72				
15	64QAM	36	0	20.42	20.55	20.44				
15	64QAM	36	20	20.45	20.58	20.51	21.5	3		
15	64QAM	36	39	20.43	20.43	20.40				
15	64QAM	75	0	20.31	20.45	20.30				
Channel Frequency (MHz)				26740	26865	26995	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.15	23.32	23.38	24.5	0		
10	QPSK	1	25	23.44	23.6	23.49				
10	QPSK	1	49	23.16	23.38	23.38				
10	QPSK	25	0	22.23	22.47	22.36	23.5	1		
10	QPSK	25	12	22.88	22.7	22.17				
10	QPSK	25	25	22.39	22.37	22.25				
10	QPSK	50	0	22.67	22.67	22.5	23.5	1		
10	16QAM	1	0	22.97	22.92	22.89				
10	16QAM	1	25	22.8	22.9	22.87				
10	16QAM	1	49	22.69	22.81	22.77	22.5	2		
10	16QAM	25	12	21.57	21.45	21.42				
10	16QAM	25	12	21.48	21.51	21.56				
10	16QAM	25	25	21.4	21.42	21.35	21.5	3		
10	16QAM	50	0	21.27	21.35	21.19				
10	64QAM	1	0	21.81	21.77	21.72				
10	64QAM	1	25	21.88	21.82	21.72	22.5	2		
10	64QAM	1	49	21.69	21.71	21.62				
10	64QAM	25	0	20.4	20.46	20.33				
10	64QAM	25	12	20.35	20.48	20.4	21.5	3		
10	64QAM	25	25	20.43	20.51	20.37				
10	64QAM	50	0	20.16	20.39	20.18				
Channel Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.24	23.32	23.34	24.5	0		
5	QPSK	1	12	23.54	23.68	23.51				
5	QPSK	1	24	23.18	23.35	23.38				
5	QPSK	12	0	22.34	22.47	22.43	23.5	1		
5	QPSK	12	7	22.61	22.63	22.57				
5	QPSK	12	13	22.29	22.44	22.31				
5	QPSK	25	0	22.55	22.61	22.48	23.5	1		
5	16QAM	1	0	22.67	22.93	22.84				
5	16QAM	1	12	22.83	22.99	22.97				
5	16QAM	1	24	22.74	22.83	22.77	22.5	2		
5	16QAM	12	0	21.29	21.35	21.33				
5	16QAM	12	7	21.38	21.5	21.58				
5	16QAM	12	13	21.48	21.47	21.28	22.5	2		
5	16QAM	25	0	21.35	21.43	21.17				
5	64QAM	1	0	21.8	21.79	21.8				
5	64QAM	1	12	21.81	21.97	21.72	22.5	2		
5	64QAM	1	24	21.67	21.68	21.68				
5	64QAM	12	0	20.34	20.51	20.36				
5	64QAM	12	7	20.41	20.48	20.45	21.5	3		
5	64QAM	12	13	20.39	20.38	20.35				
5	64QAM	25	0	20.31	20.35	20.25				
Channel Frequency (MHz)				26795	26865	27025	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.19	23.41	23.34	24.5	0		
3	QPSK	1	8	23.44	23.61	23.59				
3	QPSK	1	14	23.21	23.29	23.26				
3	QPSK	8	0	22.28	22.30	22.4	23.5	1		
3	QPSK	8	4	22.55	22.72	22.45				
3	QPSK	8	7	22.3	22.44	22.23				
3	QPSK	15	0	22.5	22.55	22.61	23.5	1		
3	16QAM	1	0	22.63	22.98	22.98				
3	16QAM	1	8	22.89	23.08	23.05				
3	16QAM	1	14	22.79	22.8	22.79	22.5	2		
3	16QAM	8	0	21.24	21.46	21.38				
3	16QAM	8	4	21.47	21.53	21.46				
3	16QAM	8	7	21.42	21.45	21.36	22.5	2		
3	16QAM	15	0	21.26	21.38	21.27				
3	64QAM	1	0	21.7	21.75	21.75				
3	64QAM	1	8	21.83	21.93	21.76	22.5	2		
3	64QAM	1	14	21.68	21.64	21.58				
3	64QAM	8	0	20.34	20.45	20.44				
3	64QAM	8	4	20.37	20.37	20.48	21.5	3		
3	64QAM	8	7	20.42	20.38	20.37				
3	64QAM	15	0	20.17	20.4	20.16				
Channel Frequency (MHz)				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.14	23.14	23.15	24.5	0		
1.4	QPSK	1	3	23.49	23.65	23.59				
1.4	QPSK	1	5	23.28	23.29	23.31				
1.4	QPSK	3	0	23.21	23.25	23.23	23.5	1		
1.4	QPSK	3	1	23.24	23.27	23.34				
1.4	QPSK	3	3	23.23	23.37	23.24				
1.4	16QAM	1	0	22.48	22.57	22.50	23.5	1		
1.4	16QAM	1	0	22.97	22.96	22.90				
1.4	16QAM	1	3	22.86	22.88	22.80				
1.4	16QAM	1	3	22.62	22.65	22.48	22.5	2		
1.4	16QAM	1	3	22.61	22.69	22.51				
1.4	16QAM	3	3	22.57	22.60	22.57				
1.4	16QAM	6	0	21.33	21.42	21.31	22.5	2		
1.4	64QAM	1	0	21.78	21.87	21.74				
1.4	64QAM	1	3	21.89	21.85	21.77				
1.4	64QAM	1	5	21.69	21.71	21.72	22.5	2		
1.4	64QAM	3	0	21.41	21.46	21.40				
1.4	64QAM	3	1	21.44	21.47	21.31				
1.4	64QAM	3	3	21.45	21.48	21.26	21.5	3		
1.4	64QAM	6	0	20.20	20.39	20.16				

Band 26_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 Frequency (MHz)				20650	20655	20660				
15	QPSK	1	0	22.84	22.89	22.89	24	0		
15	QPSK	1	37	22.91	22.92	22.92				
15	QPSK	1	74	22.91	22.91	22.89				
15	QPSK	36	0	21.83	21.82	21.83				
15	QPSK	36	38	22.03	22.03		23	1		
15	QPSK	36	39	21.95	22.01	21.88				
15	QPSK	75	0	21.97	22.09	21.94				
15	QPSK	1	1	22.25	22.29	22.21				
15	16QAM	1	37	22.38	22.46	22.39	23	1		
15	16QAM	1	74	22.21	22.27	22.20				
15	16QAM	0	38	20.97	21.09	20.91				
15	16QAM	36	20	21.08	21.08	21.08				
15	16QAM	36	39	20.91	20.97	20.89	22	2		
15	16QAM	75	0	20.97	21.03	20.90				
15	64QAM	1	0	21.10	21.05	21.06				
15	64QAM	1	37	21.40	21.46	21.39				
15	64QAM	1	74	21.08	21.05	21.05	22	2		
15	64QAM	36	0	19.98	20.06	20.00				
15	64QAM	36	20	19.99	20.09	19.95				
15	64QAM	39	19.98	19.97	19.98					
15	64QAM	75	0	19.88	19.94	19.79	21	3		
Channel Frequency (MHz)				26740	26750	26990	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.81	22.79	22.76	24	0		
10	QPSK	1	25	22.88	23.08	22.94				
10	QPSK	1	49	22.82	22.88	22.85				
10	QPSK	25	0	21.77	21.85	21.75				
10	QPSK	25	25	21.66	22.01	21.92	23	1		
10	QPSK	25	25	21.95	21.97	21.78				
10	QPSK	50	0	21.95	21.93	21.88				
10	16QAM	1	0	22.22	22.21	22.19				
10	16QAM	1	25	22.36	22.45	22.30	23	1		
10	16QAM	1	49	22.20	22.21	22.14				
10	16QAM	25	0	20.88	20.98	20.81				
10	16QAM	25	25	20.97	20.99	20.97				
10	16QAM	25	12	20.79	20.83	20.85	22	2		
10	16QAM	50	0	20.86	20.85	20.88				
10	64QAM	1	0	21.01	20.92	20.94				
10	64QAM	1	25	21.38	21.32	21.24				
10	64QAM	1	49	21.06	21.01	20.91	22	2		
10	64QAM	25	0	19.85	19.95	19.91				
10	64QAM	25	12	19.86	19.94	19.86				
10	64QAM	25	25	19.74	19.80	19.70				
10	64QAM	50	0	19.86	19.79	19.66	21	3		
Channel Frequency (MHz)				26715 <th>26706<th>27015</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	26706 <th>27015</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	27015	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.81	22.86	22.85	24	0		
5	QPSK	1	12	22.96	23.02	22.89				
5	QPSK	24	0	22.79	23.01	22.87				
5	QPSK	12	0	21.76	21.77	21.82				
5	QPSK	12	7	22.04	21.96	21.90	23	1		
5	QPSK	12	13	21.80	21.80	21.78				
5	QPSK	25	0	21.84	21.86	21.88				
5	16QAM	1	0	22.16	22.16	22.14				
5	16QAM	1	12	22.30	22.34	22.24	23	1		
5	16QAM	1	24	22.18	22.23	22.11				
5	16QAM	12	0	20.92	20.95	20.88				
5	16QAM	12	7	21.00	20.94	20.84				
5	16QAM	12	13	20.91	20.82	20.76	22	2		
5	16QAM	25	0	20.97	20.95	20.86				
5	64QAM	1	0	21.09	21.07	21.05				
5	64QAM	1	12	21.40	21.32	21.27				
5	64QAM	1	24	21.10	21.02	21.05	22	2		
5	64QAM	12	0	19.93	19.94	19.94				
5	64QAM	12	7	19.86	19.99	19.93				
5	64QAM	12	13	19.86	19.93	19.70				
5	64QAM	25	0	19.84	19.83	19.76	21	3		
Channel Frequency (MHz)				26705 <th>26696<th>27025</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	26696 <th>27025</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	27025	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	22.75	22.85	22.89	24	0		
3	QPSK	1	8	22.87	23.07	22.87				
3	QPSK	14	0	22.89	22.88	22.86				
3	QPSK	8	0	21.81	21.82	21.83				
3	QPSK	8	4	21.96	22.04	21.89	23	1		
3	QPSK	8	7	21.87	21.84	21.84				
3	QPSK	15	0	21.92	21.96	21.81				
3	16QAM	1	0	22.14	22.17	22.12				
3	16QAM	1	8	22.28	22.43	22.24	23	1		
3	16QAM	1	14	22.13	22.12	22.12				
3	16QAM	8	0	20.93	20.89	20.82				
3	16QAM	8	4	20.93	21.08	21.07				
3	16QAM	8	7	20.93	20.90	20.88	22	2		
3	16QAM	15	0	20.85	20.84	20.97				
3	64QAM	1	0	20.96	21.04	21.01				
3	64QAM	1	8	21.33	21.43	21.21				
3	64QAM	1	14	21.00	21.00	20.95	22	2		
3	64QAM	8	0	19.82	19.97	20.02				
3	64QAM	8	4	19.82	19.97	19.80				
3	64QAM	8	7	19.86	19.84	19.78				
3	64QAM	15	0	19.85	19.87	19.71	21	3		
Channel Frequency (MHz)				26697 <th>26686<th>27033</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	26686 <th>27033</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	27033	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	22.78	22.88	22.80	24	0		
1.4	QPSK	1	3	23.00	23.02	22.97				
1.4	QPSK	1	22	22.91	22.78	22.88				
1.4	QPSK	3	0	22.82	22.86	22.88				
1.4	QPSK	3	1	22.80	22.88	22.77	23	1		
1.4	QPSK	3	22	22.83	22.80	22.83				
1.4	QPSK	6	0	21.84	21.88	21.84				
1.4	16QAM	1	0	22.24	22.24	22.14				
1.4	16QAM	1	22	22.37	22.46	22.24	23	1		
1.4	16QAM	1	5	22.19	22.25	22.11				
1.4	16QAM	3	0	22.12	22.27	22.14				
1.4	16QAM	3	22	22.12	22.18	22.17				
1.4	16QAM	3	3	22.13	22.22	22.05	22	2		
1.4	16QAM	6	0	20.84	20.86	20.80				
1.4	64QAM	1	0	21.02	21.09	21.06				
1.4	64QAM	1	3	21.34	21.33	21.31				
1.4	64QAM	3	0	20.99	21.03	21.04	22	2		
1.4	64QAM	3	0	20.92	20.95	21.01				
1.4	64QAM	3	1	20.88	20.95	20.95				
1.4	64QAM	3	21	20.83	20.84	20.96				
1.4	64QAM	6	0	19.85	19.90	19.87	21	3		

Band 66_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 Frequency (MHz)										
20	QPSK	1	0	1720	1745	1770	24.5	0		
20	QPSK	1	49	23.56	23.70	23.65				
20	QPSK	1	99	23.36	23.36	23.39				
20	QPSK	50	0	22.66	22.75	22.63				
20	QPSK	50	24	22.76	22.85	22.70	23.5	1		
20	QPSK	50	50	22.77	22.81	22.68				
20	QPSK	100	0	22.64	22.80	22.84				
20	16QAM	1	0	22.81	22.86	22.99				
20	16QAM	1	49	22.71	22.88	22.92	23.5	1		
20	16QAM	1	99	22.69	22.70	22.88				
20	16QAM	50	0	21.64	21.77	21.61				
20	16QAM	50	24	21.82	21.75	21.72				
20	16QAM	50	50	21.81	21.81	21.56	22.5	2		
20	16QAM	100	0	21.71	21.83	21.71				
20	64QAM	1	0	21.89	21.95	21.97				
20	64QAM	1	49	22.08	21.89	21.76				
20	64QAM	1	99	21.68	21.68	21.70	22.5	2		
20	64QAM	50	0	20.68	20.77	20.73				
20	64QAM	50	24	20.74	20.76	20.75				
20	64QAM	50	50	20.73	20.68	20.70				
20	64QAM	100	0	20.72	20.71	20.73	21.5	3		
Channel Frequency (MHz)										
15	QPSK	1	0	13247	13242	13257	24.5	0		
15	QPSK	1	0	1717.5	1745	1772.5				
15	QPSK	1	37	23.43	23.67	23.62				
15	QPSK	1	74	23.30	23.30	23.28				
15	QPSK	36	0	22.51	22.65	22.58	23.5	1		
15	QPSK	36	36	22.68	22.75	22.57				
15	QPSK	36	99	22.67	22.67	22.64				
15	QPSK	75	0	22.53	22.77	22.63				
15	16QAM	1	0	22.72	22.65	22.87	23.5	1		
15	16QAM	1	37	22.67	22.53	22.89				
15	16QAM	1	74	22.68	22.64	22.64				
15	16QAM	36	0	21.64	21.71	21.49				
15	16QAM	36	20	21.78	21.68	21.72	22.5	2		
15	16QAM	36	39	21.71	21.49	21.51				
15	16QAM	75	0	21.70	21.54	21.66				
15	64QAM	1	0	21.84	21.82	21.85				
15	64QAM	1	37	21.86	21.75	21.73	22.5	2		
15	64QAM	1	74	21.63	21.58	21.69				
15	64QAM	36	0	20.55	20.73	20.70				
15	64QAM	36	20	20.61	20.61	20.72				
15	64QAM	36	39	20.63	20.59	20.70	21.5	3		
15	64QAM	75	0	20.58	20.68	20.68				
Channel Frequency (MHz)										
10	QPSK	1	0	13202	13222	13222			24.5	0
10	QPSK	1	25	23.65	23.70	23.63				
10	QPSK	1	49	23.30	23.31	23.33				
10	QPSK	25	0	22.54	22.61	22.51				
10	QPSK	25	12	22.74	22.83	22.55	23.5	1		
10	QPSK	25	25	22.67	22.87	22.64				
10	QPSK	50	0	22.58	22.71	22.82				
10	16QAM	1	0	22.77	22.52	22.84				
10	16QAM	1	0	22.67	22.65	22.81	23.5	1		
10	16QAM	1	49	22.61	22.65	22.56				
10	16QAM	25	0	21.63	21.77	21.49				
10	16QAM	25	12	21.80	21.74	21.57				
10	16QAM	25	25	21.79	21.56	21.54	22.5	2		
10	16QAM	50	0	21.61	21.52	21.70				
10	64QAM	1	0	21.76	21.89	21.96				
10	64QAM	1	25	21.99	21.84	21.71				
10	64QAM	1	49	21.62	21.64	21.58	22.5	2		
10	64QAM	25	0	20.59	20.76	20.68				
10	64QAM	25	12	20.72	20.65	20.70				
10	64QAM	25	25	20.68	20.54	20.69				
10	64QAM	50	0	20.67	20.61	20.70	21.5	3		
Channel Frequency (MHz)										
5	QPSK	1	0	13197	13222	13267	24.5	0		
5	QPSK	1	12	23.59	23.64	23.63				
5	QPSK	1	24	23.25	23.25	23.39				
5	QPSK	12	0	22.63	22.67	22.59				
5	QPSK	12	7	22.72	22.75	22.67	23.5	1		
5	QPSK	12	13	22.76	22.72	22.53				
5	QPSK	25	0	22.60	22.76	22.55				
5	16QAM	1	0	22.67	22.61	22.87				
5	16QAM	1	12	22.71	22.66	22.77	23.5	1		
5	16QAM	1	24	22.61	22.66	22.59				
5	16QAM	12	0	21.64	21.70	21.57				
5	16QAM	12	7	21.67	21.68	21.45				
5	16QAM	12	13	21.69	21.55	21.51	22.5	2		
5	16QAM	25	0	21.67	21.48	21.82				
5	64QAM	1	0	21.67	21.86	21.83				
5	64QAM	1	12	22.01	21.84	21.81				
5	64QAM	1	24	21.63	21.55	21.85	22.5	2		
5	64QAM	12	0	20.60	20.62	20.65				
5	64QAM	12	7	20.70	20.66	20.63				
5	64QAM	12	13	20.60	20.58	20.57				
5	64QAM	25	0	20.60	20.67	20.73	21.5	3		
Channel Frequency (MHz)										
3	QPSK	1	0	13197	13222	13267	24.5	0		
3	QPSK	1	8	23.62	23.73	23.51				
3	QPSK	1	14	23.27	23.31	23.27				
3	QPSK	8	0	22.66	22.70	22.50				
3	QPSK	8	4	22.68	22.81	22.57	23.5	1		
3	QPSK	8	7	22.67	22.70	22.55				
3	QPSK	15	0	22.53	22.80	22.55				
3	16QAM	1	0	22.60	22.53	22.86				
3	16QAM	1	8	22.67	22.60	22.78	23.5	1		
3	16QAM	1	14	22.56	22.65	22.54				
3	16QAM	8	0	21.55	21.63	21.58				
3	16QAM	8	4	21.74	21.61	21.65				
3	16QAM	8	7	21.79	21.48	21.50	22.5	2		
3	16QAM	15	0	21.64	21.59	21.58				
3	64QAM	1	0	21.86	21.85	21.91				
3	64QAM	1	8	22.06	21.78	21.63				
3	64QAM	1	14	21.62	21.62	21.61	22.5	2		
3	64QAM	8	0	20.59	20.66	20.62				
3	64QAM	8	4	20.67	20.74	20.63				
3	64QAM	8	7	20.72	20.67	20.55				
3	64QAM	15	0	20.65	20.63	20.61	21.5	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	13197	13222	13267	24.5	0		
1.4	QPSK	1	3	23.54	23.62	23.56				
1.4	QPSK	1	5	23.53	23.73	23.63				
1.4	QPSK	3	0	23.23	23.54	23.56				
1.4	QPSK	3	1	23.24	23.53	23.59	23.5	1		
1.4	QPSK	3	3	23.52	23.21	23.53				
1.4	QPSK	6	0	23.52	23.36	23.55				
1.4	QPSK	6	0	23.27	23.32	23.26				
1.4	16QAM	1	0	22.63	22.77	22.70	23.5	1		
1.4	16QAM	1	3	22.70	22.58	22.89				
1.4	16QAM	1	5	22.69	22.58	22.59				
1.4	16QAM	3	0	22.63	22.81	22.59				
1.4	16QAM	3	1	22.63	22.70	22.85	22.5	2		
1.4	16QAM	3	1	22.75	22.71	22.59				
1.4	16QAM	6	0	21.60	21.49	21.65				
1.4	64QAM	1	0	21.82	21.89	21.92				
1.4	64QAM	1	3	21.69	21.60	21.64	22.5	2		
1.4	64QAM	1	5	21.63	21.59	21.61				
1.4	64QAM	3	0	21.72	21.71	21.65				
1.4	64QAM	3	1	21.70	21.63	21.66				
1.4	64QAM	3	3	21.80	21.73	21.63	21.5	3		
Channel Frequency (MHz)										

Band 66_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 Frequency (MHz)								
20	QPSK	1	0	1720	1745	1770	24	0
20	QPSK	1	49	23.02	23.07	23.06		
20	QPSK	1	99	23.02	23.05	23.13		
20	QPSK	1	149	22.99	22.90	22.94		
20	QPSK	50	0	22.08	22.17	22.19	23	1
20	QPSK	50	24	22.24	22.25	22.22		
20	QPSK	50	50	22.18	22.14	22.16	23	1
20	16QAM	100	0	22.12	22.13	22.18		
20	16QAM	1	0	22.30	22.57	22.26		
20	16QAM	1	49	22.49	22.55	22.69		
20	16QAM	50	0	22.25	22.34	22.39	22	2
20	16QAM	50	0	21.13	21.22	21.19		
20	16QAM	50	24	21.20	21.19	21.23		
20	16QAM	50	50	21.20	21.17	21.08		
20	16QAM	100	0	21.21	21.07	21.13		
20	64QAM	1	0	21.07	21.14	21.12	22	2
20	64QAM	1	49	21.28	21.16	21.20		
20	64QAM	1	99	21.10	21.20	21.01		
20	64QAM	50	0	20.20	20.30	20.28		
20	64QAM	50	50	20.27	20.33	20.29	21	3
20	64QAM	50	50	20.34	20.18	20.11		
20	64QAM	100	0	20.13	20.21	20.24		
Channel Frequency (MHz)								
15	QPSK	1	0	13047	13022	13057	Tune-up limit	MPR
15	QPSK	1	22	1317.2	1317.5	1317.5	(dBm)	(dB)
15	QPSK	1	37	23.16	23.01	23.05	24	0
15	QPSK	1	74	22.02	22.83	22.85		
15	QPSK	36	0	22.08	22.04	22.06		
15	QPSK	36	20	22.24	22.17	22.10		
15	QPSK	36	39	22.07	22.10	22.09	23	1
15	QPSK	75	0	22.06	22.16	22.18		
15	16QAM	1	0	22.28	22.56	22.26	23	1
15	16QAM	1	37	22.38	22.55	22.61		
15	16QAM	1	74	22.20	22.14	22.24		
15	16QAM	36	0	21.02	21.22	21.04		
15	16QAM	36	20	21.14	21.12	21.06	22	2
15	16QAM	36	39	21.18	21.13	21.05		
15	16QAM	75	0	21.21	20.97	21.00	22	2
15	64QAM	1	0	21.01	21.09	21.11		
15	64QAM	1	37	21.13	21.05	21.10		
15	64QAM	1	74	21.10	21.07	20.91		
15	64QAM	36	0	20.07	20.16	20.24	21	3
15	64QAM	36	20	20.24	20.28	20.19		
15	64QAM	36	39	20.19	20.03	19.96		
15	64QAM	75	0	20.02	20.08	20.11		
Channel Frequency (MHz)								
10	QPSK	1	0	13022	13022	13022	Tune-up limit	MPR
10	QPSK	1	25	174.5	174.5	174.5	(dBm)	(dB)
10	QPSK	1	25	23.21	23.25	23.13	24	0
10	QPSK	1	49	22.96	22.84	22.87		
10	QPSK	25	0	21.94	22.16	22.16		
10	QPSK	25	12	22.21	22.20	22.16		
10	QPSK	25	25	22.14	22.08	22.14	23	1
10	QPSK	50	0	22.06	22.06	22.06		
10	16QAM	1	0	22.29	22.42	22.23	23	1
10	16QAM	1	25	22.35	22.62	22.66		
10	16QAM	1	49	22.22	22.24	22.25		
10	16QAM	25	0	21.12	21.08	21.15		
10	16QAM	25	12	21.08	21.17	21.13	22	2
10	16QAM	25	25	21.05	21.07	20.97		
10	16QAM	50	0	21.06	21.07	20.99	22	2
10	64QAM	1	0	21.02	21.05	21.07		
10	64QAM	1	25	21.14	21.07	21.15		
10	64QAM	1	49	20.98	21.15	21.01		
10	64QAM	25	0	20.19	20.15	20.21	21	3
10	64QAM	25	12	20.13	20.29	20.27		
10	64QAM	25	25	20.28	20.11	20.03		
10	64QAM	50	0	19.98	20.14	20.14		
Channel Frequency (MHz)								
5	QPSK	1	0	13187	13022	13067	Tune-up limit	MPR
5	QPSK	1	12	174.5	174.5	174.5	(dBm)	(dB)
5	QPSK	1	12	23.07	23.25	23.10	24	0
5	QPSK	1	24	22.82	22.86	22.86		
5	QPSK	12	0	22.01	22.14	22.04		
5	QPSK	12	0	22.03	22.18	22.20		
5	QPSK	12	13	22.03	22.16	22.13	23	1
5	QPSK	25	0	22.11	22.19	22.11		
5	16QAM	1	0	22.18	22.46	22.17	23	1
5	16QAM	1	12	22.45	22.53	22.53		
5	16QAM	1	24	22.12	22.14	22.31		
5	16QAM	12	0	21.01	21.19	21.18		
5	16QAM	12	7	21.18	21.20	21.11	22	2
5	16QAM	12	13	21.18	21.12	21.04		
5	16QAM	25	0	21.19	21.02	21.10	22	2
5	64QAM	1	0	20.94	21.07	21.18		
5	64QAM	1	12	21.22	21.16	21.16		
5	64QAM	1	24	21.01	21.20	20.90		
5	64QAM	12	0	20.13	20.17	20.19	21	3
5	64QAM	12	7	20.19	20.24	20.17		
5	64QAM	12	13	20.34	20.16	19.96		
5	64QAM	25	0	20.11	20.09	20.13		
Channel Frequency (MHz)								
3	QPSK	1	0	13187	13022	13067	Tune-up limit	MPR
3	QPSK	1	8	174.5	174.5	174.5	(dBm)	(dB)
3	QPSK	1	8	23.08	23.08	23.02	24	0
3	QPSK	1	14	22.87	22.88	22.87		
3	QPSK	8	0	21.99	22.07	22.19		
3	QPSK	8	4	22.13	22.20	22.15		
3	QPSK	8	8	22.11	22.04	22.04	23	1
3	QPSK	15	0	22.11	22.15	22.16		
3	16QAM	1	0	22.27	22.51	22.24	23	1
3	16QAM	1	8	22.48	22.55	22.65		
3	16QAM	1	14	22.32	22.34	22.37		
3	16QAM	8	0	21.12	21.08	21.10		
3	16QAM	8	3	21.14	21.14	21.17	22	2
3	16QAM	8	7	21.18	21.04	21.00		
3	16QAM	15	0	21.21	20.96	21.10	22	2
3	64QAM	1	0	20.95	21.13	21.20		
3	64QAM	1	8	21.24	21.03	21.19		
3	64QAM	1	14	21.01	21.10	20.93		
3	64QAM	8	0	20.08	20.13	20.13	21	3
3	64QAM	8	4	20.24	20.20	20.23		
3	64QAM	8	7	20.59	20.04	20.02		
3	64QAM	15	0	20.14	20.05	20.14		
Channel Frequency (MHz)								
1.4	QPSK	1	0	13187	13022	13065	Tune-up limit	MPR
1.4	QPSK	1	3	174.0	174.5	174.5	(dBm)	(dB)
1.4	QPSK	1	3	23.17	23.21	23.17	24	0
1.4	QPSK	1	6	23.00	23.00	22.85		
1.4	QPSK	3	0	22.90	22.94	23.01		
1.4	QPSK	3	1	23.02	22.94	22.97		
1.4	QPSK	3	3	23.01	23.02	23.03	23	1
1.4	QPSK	6	0	22.03	22.14	22.18		
1.4	16QAM	1	0	22.28	22.42	22.14	23	1
1.4	16QAM	1	2	22.35	22.63	22.63		
1.4	16QAM	1	5	22.23	22.17	22.32		
1.4	16QAM	3	0	22.03	22.12	22.12		
1.4	16QAM	3	1	22.02	22.16	22.13	22	2
1.4	16QAM	3	3	21.95	22.08	22.16		
1.4	64QAM	1	0	21.18	21.02	20.99	22	2
1.4	64QAM	1	1	21.01	21.99	21.13		
1.4	64QAM	1	3	21.16	21.15	21.10		
1.4	64QAM	3	0	21.02	21.13	20.86		
1.4	64QAM	3	1	21.14	21.14	21.22	22	2
1.4	64QAM	3	1	21.14	21.12	21.15		
1.4	64QAM	3	3	21.06	21.05	21.11	21	3
1.4	64QAM	6	0	20.18	20.18	20.11		

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 Frequency (MHz)										
2500										
20	QPSK	1	0	24.01	24.10	24.09	25	0		
20	QPSK	1	49	24.24	24.33	24.23				
20	QPSK	1	99	24.11	24.08	24.14				
20	QPSK	50	0	23.24	23.18	23.31	24	1		
20	QPSK	50	24	23.51	23.50	23.35				
20	QPSK	50	50	23.28	23.30	23.33				
20	QPSK	100	0	23.15	23.35	23.34	24	1		
20	16QAM	1	0	23.27	23.24	23.32				
20	16QAM	1	49	23.51	23.56	23.45				
20	16QAM	1	99	23.33	23.48	23.50	23	2		
20	16QAM	50	0	22.19	22.19	22.40				
20	16QAM	50	24	22.32	22.35	22.43				
20	16QAM	50	50	22.29	22.31	22.43	23	2		
20	16QAM	100	0	22.25	22.30	22.35				
20	64QAM	1	0	22.06	22.11	22.31				
20	64QAM	1	49	22.44	22.48	22.54	23	2		
20	64QAM	1	99	22.35	22.35	22.35				
20	64QAM	50	0	21.19	21.25	21.27				
20	64QAM	50	24	21.36	21.42	21.48	22	3		
20	64QAM	50	50	21.27	21.33	21.48				
20	64QAM	100	0	21.20	21.27	21.39				
Channel Frequency (MHz)										
37825										
38000										
38150										
15	QPSK	1	0	23.95	24.01	24.06	25	0		
15	QPSK	1	37	24.12	24.19	24.27				
15	QPSK	1	74	24.04	24.09	24.01				
15	QPSK	36	0	23.16	23.02	23.16	24	1		
15	QPSK	36	20	23.17	23.32	23.26				
15	QPSK	36	39	23.12	23.22	23.27				
15	QPSK	75	0	23.01	23.29	23.25	24	1		
15	16QAM	1	0	23.23	23.21	23.32				
15	16QAM	1	37	23.42	23.50	23.35				
15	16QAM	1	74	23.18	23.34	23.47	23	2		
15	16QAM	36	0	22.15	22.10	22.28				
15	16QAM	36	20	22.29	22.73	22.42				
15	16QAM	36	39	22.25	22.25	22.28	23	2		
15	16QAM	75	0	22.13	22.22	22.36				
15	64QAM	1	1	21.51	21.99	22.29				
15	64QAM	1	37	22.32	22.37	22.42	23	2		
15	64QAM	1	74	22.25	22.30	22.23				
15	64QAM	36	0	21.07	21.14	21.22				
15	64QAM	36	20	21.33	21.25	21.47	22	3		
15	64QAM	36	39	21.26	21.27	21.31				
15	64QAM	75	0	21.13	21.19	21.31				
Channel Frequency (MHz)										
37800										
38000										
38200										
10	QPSK	1	0	23.90	24.02	24.03	25	0		
10	QPSK	1	25	24.23	24.31	24.21				
10	QPSK	1	49	24.08	24.02	24.10				
10	QPSK	25	0	23.18	23.08	23.24	24	1		
10	QPSK	25	12	23.23	23.31	23.35				
10	QPSK	25	25	23.11	23.24	23.25				
10	QPSK	50	0	23.06	23.28	23.22	24	1		
10	16QAM	1	0	23.24	23.09	23.25				
10	16QAM	1	25	23.38	23.46	23.43				
10	16QAM	1	49	23.30	23.48	23.42	23	2		
10	16QAM	25	0	22.16	22.19	22.38				
10	16QAM	25	12	22.18	22.23	22.39				
10	16QAM	25	25	22.23	22.25	22.43	23	2		
10	16QAM	50	0	22.13	22.16	22.26				
10	64QAM	1	0	22.00	22.06	22.20				
10	64QAM	1	25	22.33	22.47	22.47	23	2		
10	64QAM	1	49	22.34	22.33	22.23				
10	64QAM	25	0	21.09	21.17	21.25				
10	64QAM	25	12	21.35	21.29	21.40	22	3		
10	64QAM	25	25	21.14	21.33	21.46				
10	64QAM	50	0	21.19	21.22	21.31				
Channel Frequency (MHz)										
2572.5										
2595										
2617.5										
5	QPSK	1	0	24.00	24.05	24.03	25	0		
5	QPSK	1	12	24.17	24.23	24.17				
5	QPSK	1	24	24.03	23.94	24.13				
5	QPSK	12	0	23.21	23.04	23.17	24	1		
5	QPSK	12	7	23.22	23.34	23.33				
5	QPSK	12	13	23.12	23.17	23.24				
5	QPSK	25	0	23.12	23.21	23.27	24	1		
5	16QAM	1	0	23.27	23.11	23.21				
5	16QAM	1	12	23.48	23.47	23.37				
5	16QAM	1	24	23.33	23.44	23.38	23	2		
5	16QAM	12	0	22.06	22.10	22.39				
5	16QAM	12	7	22.23	22.22	22.41				
5	16QAM	12	13	22.21	22.25	22.35	23	2		
5	16QAM	25	0	22.20	22.25	22.31				
5	64QAM	1	0	22.02	22.10	22.30				
5	64QAM	1	12	22.31	22.37	22.52	23	2		
5	64QAM	1	24	22.33	22.25	22.24				
5	64QAM	12	0	21.17	21.15	21.19				
5	64QAM	12	7	21.29	21.31	21.47	22	3		
5	64QAM	12	13	21.19	21.19	21.33				
5	64QAM	25	0	21.17	21.26	21.30				

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 Frequency (MHz)								
37850								
38000								
38150								
20	QPSK	1	0	23.71	23.72	23.70	24.5	0
20	QPSK	1	49	23.98	24.03	23.99		
20	QPSK	1	99	23.85	23.87	23.82		
20	QPSK	50	0	22.99	22.97	22.90	23.5	1
20	QPSK	50	24	23.06	23.10	23.04		
20	QPSK	50	50	23.05	23.01	23.04		
20	QPSK	100	0	23.08	23.09	23.04	23.5	1
20	16QAM	1	0	23.12	23.05	22.99		
20	16QAM	1	49	23.37	23.36	23.24		
20	16QAM	1	99	23.13	23.15	23.11	22.5	2
20	16QAM	50	0	22.05	22.02	21.97		
20	16QAM	50	24	22.20	22.14	22.14		
20	16QAM	50	50	22.14	22.19	22.11	22.5	2
20	16QAM	100	0	22.08	22.08	22.11		
20	64QAM	1	0	22.03	21.92	22.01		
20	64QAM	1	49	22.30	22.19	22.21	22.5	2
20	64QAM	1	99	22.08	22.05	22.04		
20	64QAM	50	0	21.08	20.96	21.05		
20	64QAM	50	24	21.28	21.12	21.16	21.5	3
20	64QAM	50	50	21.14	21.22	21.18		
20	64QAM	100	0	21.08	21.11	21.18		
Channel Frequency (MHz)								
37825								
38000								
38175								
38175								
15	QPSK	1	0	23.15	23.53	23.54	24.5	0
15	QPSK	1	37	23.98	23.99	23.85		
15	QPSK	1	74	23.81	23.76	23.77		
15	QPSK	36	0	22.99	22.89	22.85	23.5	1
15	QPSK	36	20	22.96	23.00	22.94		
15	QPSK	36	39	22.92	22.88	22.95		
15	QPSK	75	0	23.03	23.03	23.00	23.5	1
15	16QAM	1	0	23.01	22.99	22.85		
15	16QAM	1	37	23.35	23.34	23.18		
15	16QAM	1	74	23.12	23.13	23.01	22.5	2
15	16QAM	36	0	21.96	22.01	21.93		
15	16QAM	36	20	22.13	22.09	22.10		
15	16QAM	36	39	22.07	22.09	22.10		
15	16QAM	75	0	21.99	22.03	21.99	22.5	2
15	64QAM	1	0	21.96	21.88	22.00		
15	64QAM	1	37	22.24	22.18	22.16		
15	64QAM	1	74	22.02	22.01	22.04	21.5	3
15	64QAM	36	0	21.01	20.92	20.97		
15	64QAM	36	20	21.21	21.00	21.11		
15	64QAM	36	39	21.10	21.21	21.14		
15	64QAM	75	0	20.98	21.05	21.13		
Channel Frequency (MHz)								
37800								
38000								
38200								
38200								
10	QPSK	1	0	22.72	22.72	22.71	24.5	0
10	QPSK	1	0	23.17	23.21	23.20		
10	QPSK	1	25	23.83	23.92	23.84		
10	QPSK	1	49	23.76	23.84	23.81	23.5	1
10	QPSK	25	0	22.90	22.86	22.84		
10	QPSK	25	12	23.00	23.06	22.99		
10	QPSK	25	25	23.00	22.88	22.96	23.5	1
10	QPSK	50	0	23.08	23.08	23.02		
10	16QAM	1	0	23.09	22.96	22.87		
10	16QAM	1	25	23.25	23.34	23.15	22.5	2
10	16QAM	1	49	23.05	23.08	23.05		
10	16QAM	25	0	22.03	21.88	21.93		
10	16QAM	25	12	22.15	22.03	22.14	22.5	2
10	16QAM	25	25	22.14	22.15	21.97		
10	16QAM	50	0	22.04	22.02	22.07		
10	64QAM	1	0	21.90	21.92	21.92	22.5	2
10	64QAM	1	25	22.30	22.28	22.11		
10	64QAM	1	49	21.97	21.91	21.93		
10	64QAM	25	0	20.96	20.85	21.05	21.5	3
10	64QAM	25	12	21.21	21.07	21.13		
10	64QAM	25	25	21.03	21.08	21.13		
10	64QAM	50	0	20.93	20.98	21.04		
Channel Frequency (MHz)								
2572.5								
2595								
2617.5								
2617.5								
5	QPSK	1	0	23.61	23.68	23.56	24.5	0
5	QPSK	1	12	23.91	23.86	23.65		
5	QPSK	1	24	23.72	23.72	23.80		
5	QPSK	12	0	22.91	22.96	22.84	23.5	1
5	QPSK	12	7	23.08	23.04	23.08		
5	QPSK	12	13	23.03	23.05	22.89		
5	QPSK	25	0	23.06	22.94	22.94	23.5	1
5	16QAM	1	0	23.06	22.87	22.87		
5	16QAM	1	12	23.25	23.22	23.11		
5	16QAM	1	24	22.99	23.06	22.97	22.5	2
5	16QAM	12	0	22.01	21.90	21.82		
5	16QAM	12	7	22.14	22.06	22.09		
5	16QAM	12	13	22.12	22.06	22.11	22.5	2
5	16QAM	25	0	22.07	21.97	22.02		
5	64QAM	1	0	21.97	21.88	21.95		
5	64QAM	1	12	22.26	22.18	22.11	22.5	2
5	64QAM	1	24	21.94	21.94	21.94		
5	64QAM	12	0	20.97	20.95	20.99		
5	64QAM	12	7	21.12	21.04	21.01	21.5	3
5	64QAM	12	13	21.05	21.20	21.08		
5	64QAM	25	0	21.01	21.96	21.13		

Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)												
20	QPSK	1	0	24.02	24.05	24.11	24.01	24.04	25	0		
20	QPSK	1	49	24.23	24.13	24.36	24.36	24.25				
20	QPSK	1	99	24.04	24.00	24.08	24.19	24.08				
20	QPSK	50	0	23.05	23.01	23.13	23.30	23.38				
20	QPSK	50	24	23.25	23.15	23.44	23.40	23.38				
20	QPSK	50	50	23.15	23.10	23.26	23.15	23.25	24	1		
20	QPSK	100	0	23.31	23.33	23.38	23.29	23.37				
20	16QAM	1	0	23.40	23.31	23.46	23.41	23.36				
20	16QAM	1	49	23.36	23.33	23.46	23.31	23.40				
20	16QAM	1	99	23.28	23.29	23.34	23.25	23.20				
20	16QAM	50	0	22.14	22.06	22.20	22.14	22.14	24	1		
20	16QAM	50	24	22.28	22.23	22.32	22.20	22.23				
20	16QAM	50	50	22.20	22.23	22.24	22.23	22.23				
20	16QAM	100	0	22.04	22.17	22.18	22.03	22.05				
20	16QAM	100	0	21.84	21.99	22.05	22.00	22.04				
20	64QAM	1	49	22.42	22.39	22.42	22.29	22.38	23	2		
20	64QAM	1	99	22.23	22.27	22.30	22.27	22.20				
20	64QAM	50	0	21.07	21.11	21.16	21.03	21.13				
20	64QAM	50	24	21.20	21.28	21.34	21.33	21.24				
20	64QAM	50	50	21.18	21.20	21.31	21.20	21.28				
20	64QAM	100	0	21.14	21.13	21.26	21.11	21.14	22	3		
Channel Frequency (MHz)												
15	QPSK	1	0	23.925	24.073	24.063	24.068	24.515			25.00	0
15	QPSK	1	37	24.24	24.31	24.30	24.28	24.20				
15	QPSK	1	74	23.88	23.98	23.91	24.02	23.99				
15	QPSK	36	0	22.98	23.02	23.02	23.05	23.05				
15	QPSK	36	20	23.32	23.30	23.28	23.28	23.37				
15	QPSK	36	39	23.12	23.12	23.16	23.13	23.19	24	1		
15	QPSK	75	0	23.22	23.18	23.32	23.25	23.26				
15	16QAM	1	0	23.07	23.11	23.12	23.16	23.07				
15	16QAM	1	37	23.35	23.37	23.39	23.32	23.34				
15	16QAM	1	74	23.22	23.22	23.19	23.25	23.19				
15	16QAM	36	0	22.06	22.01	22.06	22.09	22.11	23	2		
15	16QAM	36	20	22.15	22.06	22.18	22.07	22.18				
15	16QAM	36	39	22.04	22.08	22.09	22.12	22.08				
15	16QAM	75	0	22.10	22.07	22.03	21.99	22.12				
15	64QAM	1	0	21.92	21.87	21.87	21.86	21.89				
15	64QAM	1	37	22.36	22.28	22.34	22.36	22.27	23	2		
15	64QAM	1	74	22.10	22.10	22.25	22.20	22.11				
15	64QAM	36	0	21.05	21.09	21.05	20.98	21.06				
15	64QAM	36	20	21.20	21.23	21.19	21.28	21.24				
15	64QAM	36	39	21.11	21.28	21.15	21.23	21.14				
15	64QAM	75	0	21.09	21.11	21.14	21.19	21.12	22	3		
Channel Frequency (MHz)												
10	QPSK	1	0	23.970	24.000	24.060	24.080	24.540			25.00	0
10	QPSK	1	25	24.00	24.30	24.34	24.19	24.29				
10	QPSK	1	49	23.97	23.97	23.95	23.88	23.89				
10	QPSK	25	0	23.03	23.06	23.01	23.04	23.05				
10	QPSK	25	12	23.39	23.37	23.38	23.38	23.38				
10	QPSK	25	25	23.09	23.06	23.12	23.12	23.12	24	1		
10	QPSK	50	0	23.33	23.22	23.21	23.19	23.32				
10	16QAM	1	0	23.12	23.11	23.13	23.12	23.19				
10	16QAM	1	25	23.37	23.33	23.39	23.38	23.38				
10	16QAM	1	49	23.17	23.15	23.26	23.29	23.15				
10	16QAM	25	0	22.13	22.09	22.04	22.07	22.08	23	2		
10	16QAM	25	12	22.24	22.18	22.20	22.21	22.16				
10	16QAM	25	25	22.09	22.06	22.16	22.06	22.16				
10	16QAM	50	0	22.06	22.08	22.02	22.00	21.98				
10	64QAM	1	0	21.95	21.89	21.95	22.00	21.89				
10	64QAM	1	25	22.29	22.38	22.29	22.31	22.30	23	2		
10	64QAM	1	49	22.23	22.15	22.13	22.21	22.11				
10	64QAM	25	0	21.07	20.99	20.99	21.00	21.12				
10	64QAM	25	12	21.27	21.27	21.21	21.15	21.28				
10	64QAM	25	25	21.22	21.20	21.14	21.19	21.16				
10	64QAM	50	0	21.10	21.15	21.07	21.20	21.12	22	3		
Channel Frequency (MHz)												
5	QPSK	1	0	24.015	24.045	24.105	24.055	24.525			25.00	0
5	QPSK	1	0	24.02	23.95	24.06	23.96	24.03				
5	QPSK	1	12	24.22	24.19	24.21	24.04	24.13				
5	QPSK	1	24	24.03	23.91	23.97	24.03	23.92				
5	QPSK	12	0	22.97	23.01	23.07	23.01	23.01				
5	QPSK	12	7	23.26	23.26	23.37	23.37	23.35	24	1		
5	QPSK	12	13	23.20	23.14	23.20	23.16	23.13				
5	QPSK	25	0	23.18	23.18	23.18	23.29	23.22				
5	16QAM	1	0	23.07	23.14	23.10	23.14	23.10				
5	16QAM	1	12	23.26	23.35	23.28	23.38	23.29				
5	16QAM	1	24	23.28	23.20	23.14	23.20	23.21	24	1		
5	16QAM	12	0	22.00	22.04	22.07	22.09	22.06				
5	16QAM	12	7	22.18	22.13	22.15	22.24	22.15				
5	16QAM	12	13	22.19	22.15	22.13	22.19	22.13				
5	16QAM	25	0	22.08	22.10	21.99	22.08	22.11				
5	64QAM	1	0	21.84	21.89	21.86	21.87	21.99	23	2		
5	64QAM	1	12	22.32	22.27	22.30	22.37	22.28				
5	64QAM	1	24	22.14	22.12	22.18	22.15	22.18				
5	64QAM	12	0	21.06	21.09	21.01	21.06	21.06				
5	64QAM	12	7	21.23	21.15	21.28	21.20	21.28				
5	64QAM	12	13	21.18	21.17	21.14	21.24	21.15	22	3		
5	64QAM	25	0	21.19	21.07	21.15	21.16	21.15				

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel												
20	QPSK	1	0	25.05	25.49.5	25.05	26.36.5	26.80	24.5	0		
20	QPSK	1	49	23.81	23.82	23.84	23.80	23.81				
20	QPSK	1	99	23.86	23.91	23.85	23.82	23.90				
20	QPSK	50	0	22.85	22.96	22.92	22.93	23.00				
20	QPSK	50	24	23.05	23.08	23.10	23.07	23.04				
20	QPSK	50	50	22.99	23.05	23.05	22.98	22.81	23.5	1		
20	QPSK	100	0	22.90	22.98	22.99	22.97	22.98				
20	16QAM	1	0	22.95	23.06	23.08	22.93	23.00				
20	16QAM	1	49	23.21	23.36	23.23	23.25	23.21				
20	16QAM	1	99	23.03	23.17	23.08	23.06	22.98				
20	16QAM	50	0	21.89	21.98	22.03	21.94	22.05	23.5	1		
20	16QAM	50	24	22.04	22.12	22.10	22.12	22.07				
20	16QAM	50	50	22.15	22.09	22.04	22.07	21.90				
20	16QAM	100	0	21.96	22.07	22.07	22.02	21.90				
20	16QAM	100	0	21.95	21.96	21.95	21.94	21.94				
20	64QAM	1	49	22.11	22.23	22.17	22.13	22.15	22.5	2		
20	64QAM	1	99	21.96	22.06	22.02	21.98	21.92				
20	64QAM	50	0	20.87	20.97	21.02	20.92	21.02				
20	64QAM	50	24	21.02	21.16	21.12	21.18	21.04				
20	64QAM	50	50	21.04	21.12	21.06	21.10	20.95				
20	64QAM	100	0	21.02	21.07	21.07	21.01	21.02	21.5	3		
Channel Frequency (MHz)				20.015	20.013	20.013	20.013	20.015				
15	QPSK	1	0	23.12	23.14	23.14	23.13	23.12			24.50	0
15	QPSK	1	37	23.94	24.02	24.01	23.97	24.02				
15	QPSK	1	74	23.72	23.74	23.73	23.63	23.72				
15	QPSK	36	0	22.86	22.92	22.85	22.87	22.88				
15	QPSK	36	20	23.02	23.07	23.09	23.04	23.02				
15	QPSK	36	39	22.98	22.98	22.90	23.04	23.04	23.5	1		
15	QPSK	76	0	22.86	22.92	22.84	22.99	22.85				
15	16QAM	1	0	23.03	23.05	23.04	22.95	22.94				
15	16QAM	1	37	23.12	23.13	23.16	23.10	23.15				
15	16QAM	1	74	22.95	22.99	23.05	22.94	22.97				
15	16QAM	36	0	21.95	22.00	22.00	22.00	21.92	22.5	2		
15	16QAM	36	20	22.02	21.96	22.03	22.02	22.04				
15	16QAM	36	39	21.93	21.93	21.89	21.90	21.90				
15	16QAM	76	0	22.03	22.03	22.02	22.05	21.94				
15	16QAM	76	21	21.88	21.88	21.84	21.84	21.84				
15	64QAM	1	37	22.15	22.03	22.13	22.14	22.10	22.5	2		
15	64QAM	1	74	21.87	21.94	21.96	21.90	22.01				
15	64QAM	36	0	20.89	21.00	20.97	20.98	20.96				
15	64QAM	36	20	21.06	20.99	20.98	21.12	21.05				
15	64QAM	36	39	20.97	20.90	20.99	21.02	21.06				
15	64QAM	76	0	21.05	21.04	20.98	20.98	21.06	21.5	3		
Channel				20.015	20.016	20.020	20.018	20.016				
Frequency (MHz)				20.01	20.07	20.03	20.03	20.03				
10	QPSK	1	0	23.73	23.74	23.71	23.71	23.78			24.50	0
10	QPSK	1	25	24.02	23.97	23.99	23.92	23.96				
10	QPSK	1	49	23.74	23.70	23.74	23.73	23.71				
10	QPSK	1	74	22.88	22.77	22.81	22.81	22.81				
10	QPSK	25	12	22.99	22.98	22.97	23.02	22.95				
10	QPSK	25	25	22.99	22.99	23.01	22.93	23.01	23.5	1		
10	QPSK	50	0	22.86	22.86	22.85	22.89	22.89				
10	16QAM	1	0	23.03	23.03	23.04	23.08	23.01				
10	16QAM	1	25	23.15	23.08	23.10	23.13	23.10				
10	16QAM	1	49	22.98	23.03	23.03	22.97	23.07				
10	16QAM	25	0	21.98	21.88	21.98	21.94	21.98	22.5	2		
10	16QAM	25	12	22.06	22.08	21.98	22.03	22.00				
10	16QAM	25	25	22.03	21.99	21.93	22.03	21.94				
10	16QAM	50	0	21.93	22.04	22.06	21.97	21.99				
10	64QAM	1	0	21.91	21.82	21.81	21.86	21.82				
10	64QAM	1	25	22.11	22.06	22.07	22.12	22.17	22.5	2		
10	64QAM	1	49	21.97	22.01	22.02	21.89	21.87				
10	64QAM	25	0	20.94	20.88	20.94	20.97	20.97				
10	64QAM	25	12	21.00	21.08	21.12	21.03	20.99				
10	64QAM	25	25	20.99	20.94	20.91	21.05	21.03				
10	64QAM	50	0	21.93	21.84	21.84	20.94	20.98	21.5	3		
Channel				20.015	20.016	20.020	20.018	20.016				
Frequency (MHz)				20.01	20.07	20.03	20.03	20.03				
5	QPSK	1	0	23.72	23.73	23.60	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.97	23.95	23.96	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.91	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.97				
5	QPSK	12	13	22.93	23.01	22.95	22.92	22.99	23.5	1		
5	QPSK	25	0	22.98	22.97	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.04	23.03	23.06				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21				
5	16QAM	1	24	22.94	23.05	23.05	23.04	23.04				
5	16QAM	12	0	21.89	21.89	22.03	21.89	21.89	22.5	2		
5	16QAM	12	7	22.02	22.07	22.06	21.95	22.02				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01				
5	64QAM	1	0	21.96	21.98	21.97	21.93	21.93				
5	64QAM	1	12	21.87	21.89	21.84	21.88	21.95				
5	64QAM	1	12	22.07	22.14	22.09	22.15	22.13	22.5	2		
5	64QAM	1	24	21.90	21.98	21.93	21.91	21.91				
5	64QAM	12	0	20.89	20.93	20.97	20.97	20.87				
5	64QAM	12	7	21.11	21.05	21.00	21.00	21.10				
5	64QAM	12	13	21.03	21.07	21.04	20.97	20.98				
5	64QAM	25	0	21.05	20.99	21.04	20.95	20.92	21.5	3		



Reduced Power Mode for DSI2

<GSM>

GSM850_Ant.13				Burst Average Power (dBm)				Frame-Average Power (dBm)				Tune-up			
TX Channel				128	180	251	Limit	128	180	251	Limit	Limit			
Frequency (MHz)				824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)				
GSM 1 Tx slot				31.08	31.04	31.00	32.50	22.08	22.04	22.00	23.50				
GPRS-EDGE(GMSK) 1 Tx slot				31.26	31.26	31.24	32.50	22.26	22.26	22.24	23.50				
GPRS-EDGE(GMSK) 2 Tx slots				28.63	28.65	28.61	30.00	22.63	22.65	22.61	24.00				
GPRS-EDGE(GMSK) 3 Tx slots				26.04	26.01	26.01	27.50	21.78	21.75	21.75	23.24				
GPRS-EDGE(GMSK) 4 Tx slots				25.12	25.12	25.13	26.50	22.12	22.12	22.13	23.24				
EDGE 1 Tx slot				26.85	26.88	26.85	28.00	17.89	17.88	17.85	19.00				
EDGE 2 Tx slots				25.01	25.02	24.87	26.00	19.01	19.02	18.87	20.00				
EDGE 3 Tx slots				22.26	22.34	22.17	24.00	18.49	18.53	18.43	19.74				
EDGE 4 Tx slots				20.90	20.80	20.82	22.00	17.90	17.80	17.82	19.00				
GSM1900_Ant.13				512	661	810	Limit	512	661	810	Limit	Tune-up			
TX Channel				1500.2	1500	1500.8	(dBm)	1500.2	1500	1500.8	(dBm)	Limit			
Frequency (MHz)				1500.2	1500	1500.8	(dBm)	1500.2	1500	1500.8	(dBm)				
GSM 1 Tx slot				25.20	25.20	25.04	25.50	16.20	16.20	16.04	16.50				
GPRS-EDGE(GMSK) 1 Tx slot				25.20	25.20	25.04	25.50	16.20	16.20	16.04	16.50				
GPRS-EDGE(GMSK) 2 Tx slots				22.14	22.01	21.99	23.00	16.14	16.01	15.99	17.00				
GPRS-EDGE(GMSK) 3 Tx slots				19.20	19.04	19.06	20.50	14.94	14.76	14.80	16.24				
GPRS-EDGE(GMSK) 4 Tx slots				18.48	18.62	18.48	20.00	15.48	15.62	15.48	17.00				
EDGE 1 Tx slot				25.36	25.27	25.01	26.00	16.36	16.27	16.01	17.00				
EDGE 2 Tx slots				23.47	23.14	23.05	23.50	17.47	17.14	17.05	17.50				
EDGE 3 Tx slots				20.36	20.31	20.16	21.00	16.10	16.05	15.90	16.74				
EDGE 4 Tx slots				19.19	19.21	19.12	20.00	16.19	16.21	16.12	17.00				

<GSM>

GSM850_Ant.31				Burst Average Power (dBm)				Frame-Average Power (dBm)				Tune-up			
TX Channel				128	180	251	Limit	128	180	251	Limit	Limit			
Frequency (MHz)				824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)				
GSM 1 Tx slot				32.30	32.43	32.42	33.50	23.30	23.43	23.42	24.50				
GPRS-EDGE(GMSK) 1 Tx slot				32.26	32.43	32.41	33.50	23.28	23.42	23.41	24.50				
GPRS-EDGE(GMSK) 2 Tx slots				30.19	30.35	30.34	31.50	24.19	24.35	24.34	25.50				
GPRS-EDGE(GMSK) 3 Tx slots				28.01	28.18	28.17	29.50	23.75	23.92	23.91	25.24				
GPRS-EDGE(GMSK) 4 Tx slots				25.76	25.93	25.92	27.50	22.78	22.93	22.92	24.50				
EDGE 1 Tx slot				26.37	26.62	26.61	27.50	17.37	17.82	17.61	18.50				
EDGE 2 Tx slots				24.58	24.61	24.65	25.50	18.56	18.61	18.65	19.50				
EDGE 3 Tx slots				22.26	22.34	22.51	23.50	18.02	18.08	18.25	19.24				
EDGE 4 Tx slots				19.81	20.03	20.18	21.50	16.51	17.03	17.18	18.50				
GSM1900_Ant.31				512	661	810	Limit	512	661	810	Limit	Tune-up			
TX Channel				1500.2	1500	1500.8	(dBm)	1500.2	1500	1500.8	(dBm)	Limit			
Frequency (MHz)				1500.2	1500	1500.8	(dBm)	1500.2	1500	1500.8	(dBm)				
GSM 1 Tx slot				30.06	30.15	30.14	30.50	21.06	21.15	21.14	21.50				
GPRS-EDGE(GMSK) 1 Tx slot				30.06	30.15	30.14	30.50	21.06	21.15	21.14	21.50				
GPRS-EDGE(GMSK) 2 Tx slots				27.44	27.58	27.55	28.00	21.44	21.58	21.55	22.00				
GPRS-EDGE(GMSK) 3 Tx slots				25.50	25.63	25.62	26.50	21.24	21.37	21.36	22.24				
GPRS-EDGE(GMSK) 4 Tx slots				23.46	23.58	23.57	25.00	20.46	20.58	20.57	22.00				
EDGE 1 Tx slot				25.88	26.07	26.24	27.00	18.88	19.07	19.24	18.00				
EDGE 2 Tx slots				24.37	24.45	24.55	25.00	18.37	18.46	18.55	19.00				
EDGE 3 Tx slots				22.65	22.64	22.69	23.50	18.29	18.36	18.43	19.24				
EDGE 4 Tx slots				20.55	20.62	20.61	21.50	17.55	17.62	17.61	18.50				

<WCDMA>

Band				WCDMA E_Ant.13				WCDMA N_Ant.13				WCDMA V_Ant.13			
TX Channel				5262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Rx Channel				9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4367	4407	4458	(dBm)
Frequency (MHz)				1692.4	1690	1697.6	(dBm)	1712.4	1722.6	1732.6	(dBm)	4264.4	4264.4	4264.4	(dBm)
3GPP Rel.99				15.00	15.02	15.11	16.00	14.93	14.99	14.91	16.00	21.21	21.25	21.24	22.00
3GPP Rel.99				15.10	15.16	15.12	16.00	14.91	15.05	14.94	16.00	21.22	21.27	21.25	22.00
3GPP Rel.6				14.17	14.10	14.18	15.00	13.92	13.94	13.89	15.00	20.33	20.37	20.42	21.00
3GPP Rel.6				13.99	14.11	14.18	15.00	14.01	13.95	13.87	15.00	20.38	20.38	20.30	21.00
3GPP Rel.6				13.57	13.51	13.66	14.50	13.43	13.41	13.52	14.50	19.92	19.92	19.77	20.50
3GPP Rel.6				13.61	13.54	13.56	14.50	13.61	13.52	13.46	14.50	19.92	19.93	19.85	20.50
3GPP Rel.8				14.20	14.10	14.13	15.00	13.81	13.91	13.88	15.00	20.31	20.30	20.40	21.00
3GPP Rel.8				13.97	14.05	14.18	15.00	14.03	13.93	13.90	15.00	20.33	20.36	20.19	21.00
3GPP Rel.8				13.95	13.57	13.57	14.50	13.34	13.30	13.39	14.50	19.85	19.83	19.74	20.50
3GPP Rel.8				13.58	13.40	13.52	14.50	13.55	13.30	13.46	14.50	19.90	19.88	19.64	20.50
3GPP Rel.6				12.18	12.12	12.12	13.00	11.92	11.93	11.92	13.00	19.42	19.43	19.49	20.00
3GPP Rel.6				12.22	12.14	12.11	13.00	11.88	11.97	11.88	13.00	19.35	19.47	19.37	20.00
3GPP Rel.6				13.17	13.15	13.29	14.00	12.93	12.98	12.98	14.00	20.37	20.38	20.37	21.00
3GPP Rel.6				11.60	11.69	11.73	12.50	11.44	11.46	11.49	12.50	18.80	18.89	18.94	19.50
3GPP Rel.6				13.11	13.12	13.14	14.00	12.85	12.93	12.93	14.00	20.30	20.30	20.31	21.00
3GPP Rel.7				12.14	12.27	12.09	13.00	11.93	12.03	12.07	13.00	19.33	19.49	19.35	20.00

Band				WCDMA E_Ant.31				WCDMA N_Ant.31				WCDMA V_Ant.31			
TX Channel				5262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Rx Channel				9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4367	4407	4458	(dBm)
Frequency (MHz)				1692.4	1690	1697.6	(dBm)	1712.4	1722.6	1732.6	(dBm)	4264.4	4264.4	4264.4	(dBm)
3GPP Rel.99	AMR	12.2kps		23.22	23.31	23.29	24.00	23.02	23.14	23.12	24.00	23.24	23.24	23.20	24.00
3GPP Rel.99	FRACS	12.2kps		22.27	22.27	22.27	24.00	22.27	22.27	22.27	24.00	22.27	22.27	22.27	24.00
3GPP Rel.6	HSDPA	Subclass1		22.27	22.27	22.45	23.00	22.02	22.16	22.10	23.00	22.23	22.25	22.30	23.00
3GPP Rel.6	HSDPA	Subclass1		22.24	22.23	22.17	23.00	21.91	22.00	21.90	23.00	21.25	21.23	21.11	23.00
3GPP Rel.6	HSDPA	Subclass2		21.79	21.65	21.79	22.00	21.44	21.53	21.63	22.00	21.66	21.78	21.69	22.00
3GPP Rel.6	HSDPA	Subclass2		22.23	22.20	22.20	23.00	21.95	22.00	21.88	23.00	21.26	21.23	21.11	23.00
3GPP Rel.6	DC-HSDPA	Subclass1		22.23	22.20	22.40	23.00	22.02	22.16	22.10	23.00	22.23	22.23	22.27	23.00
3GPP Rel.6	DC-HSDPA	Subclass2		22.07	22.06	22.12	23.00	21.84	21.99	22.06	23.00	21.21	21.09	22.07	23.00
3GPP Rel.6	HSPA	Subclass1		21.76	21.72	21.75	22.00	21.47	21.56	21.54	22.00	21.62	21.62	21.62	22.00
3GPP Rel.6	HSPA	Subclass1		21.63	21.59	21.74	22.00	21.44	21.55	21.57	22.00	21.62	21.57	21.63	22.00
3GPP Rel.6	HSPA	Subclass2		20.37	20.23	20.52	21.00	20.11	20.18	20.17	21.00	21.17	20.98	21.10	22.00
3GPP Rel.6	HSPA	Subclass2		20.32	20.22	20.21	21.00	20.01	20.04	20.03	21.00	21.13	21.00	21.03	22.00
3GPP Rel.6	HSPA	Subclass3		21.27	21.28	21.48	22.00	21.06	21.17	21.15	22.00	21.94	22.00	21.92	23.00
3GPP Rel.6	HSPA	Subclass4		19.89	19.72	20.01	20.50	19.57	19.60	19.61	20.50	20.43	20.49	20.45	21.50
3GPP Rel.6	HSPA	Subclass5		21.30	21.20	21.30	22.00	21.00	21.10	21.10	22.00	21.90	21.60	21.90	23.00
3GPP Rel.7	HSPA	USFQAM Subclass1		20.32	20.22	20.21	21.00	20.01	20.04	20.03	21.00	21.13	21.00	21.03	22.00

Band 2_Ant 13

BW [MHz]	Modulation	Channel	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	0	14.44	14.37	14.35	15.6	0		
20	QPSK	1	49	0	14.53	14.71	14.53				
20	QPSK	1	99	0	14.26	14.35	14.22				
20	QPSK	50	0	0	14.35	14.41	14.41				
20	QPSK	50	24	0	14.35	14.61	14.53	15.6	0		
20	QPSK	50	50	0	14.22	14.31	14.25				
20	QPSK	100	0	0	14.50	14.54	14.39				
20	16QAM	1	0	0	14.30	14.37	14.40				
20	16QAM	1	49	0	14.62	14.56	14.60	15.6	0		
20	16QAM	1	99	0	14.35	14.47	14.39				
20	16QAM	50	0	0	14.40	14.36	14.24				
20	16QAM	50	24	0	14.27	14.47	14.37				
20	16QAM	100	0	0	14.20	14.20	14.10	15.6	0		
20	16QAM	50	0	0	14.18	14.36	14.29				
20	64QAM	1	0	0	14.55	14.62	14.54				
20	64QAM	1	49	0	14.62	14.58	14.58				
20	64QAM	1	99	0	14.49	14.40	14.32	15.6	0		
20	64QAM	50	0	0	14.51	14.54	14.37				
20	64QAM	50	24	0	14.39	14.56	14.34				
20	64QAM	50	50	0	14.31	14.31	14.35				
20	64QAM	100	0	0	14.20	14.38	14.34	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)											
15	QPSK	1	0	0	14.675	14.800	14.925	15.6	0		
15	QPSK	1	14	0	14.71	14.75	14.75				
15	QPSK	1	37	0	14.43	14.68	14.48				
15	QPSK	1	74	0	14.17	14.25	14.12				
15	QPSK	36	0	0	14.24	14.31	14.24	15.6	0		
15	QPSK	36	20	0	14.48	14.55	14.45				
15	QPSK	36	39	0	14.15	14.23	14.17				
15	QPSK	75	0	0	14.44	14.48	14.36				
15	16QAM	1	0	0	14.27	14.26	14.33	15.6	0		
15	16QAM	1	37	0	14.60	14.54	14.54				
15	16QAM	1	74	0	14.29	14.38	14.27				
15	16QAM	36	0	0	14.38	14.33	14.20				
15	16QAM	36	20	0	14.19	14.38	14.31	15.6	0		
15	16QAM	36	39	0	14.12	14.14	14.08				
15	16QAM	75	0	0	14.11	14.31	14.24				
15	64QAM	1	0	0	14.53	14.42	14.50				
15	64QAM	1	37	0	14.50	14.56	14.54	15.6	0		
15	64QAM	1	74	0	14.45	14.35	14.27				
15	64QAM	36	0	0	14.48	14.46	14.25				
15	64QAM	36	20	0	14.30	14.46	14.28				
15	64QAM	36	39	0	14.20	14.24	14.33	15.6	0		
15	64QAM	75	0	0	14.15	14.31	14.26				
Channel											
Frequency (MHz)											
10	QPSK	1	0	0	14.33	14.27	14.26	15.6	0		
10	QPSK	1	25	0	14.41	14.65	14.46				
10	QPSK	1	49	0	14.18	14.33	14.20				
10	QPSK	25	0	0	14.26	14.31	14.22				
10	QPSK	25	12	0	14.47	14.61	14.42	15.6	0		
10	QPSK	25	15	0	14.15	14.20	14.20				
10	QPSK	50	0	0	14.42	14.47	14.27				
10	16QAM	1	0	0	14.19	14.28	14.34				
10	16QAM	25	1	0	14.54	14.54	14.54	15.6	0		
10	16QAM	1	49	0	14.32	14.38	14.31				
10	16QAM	25	0	0	14.28	14.25	14.12				
10	16QAM	25	12	0	14.17	14.35	14.35				
10	16QAM	25	15	0	14.11	14.18	14.05	15.6	0		
10	16QAM	50	0	0	14.14	14.24	14.27				
10	64QAM	1	0	0	14.53	14.42	14.48				
10	64QAM	1	25	0	14.59	14.46	14.48				
10	64QAM	1	49	0	14.41	14.37	14.20	15.6	0		
10	64QAM	25	0	0	14.43	14.46	14.29				
10	64QAM	25	12	0	14.29	14.52	14.27				
10	64QAM	25	15	0	14.19	14.26	14.26				
10	64QAM	50	0	0	14.15	14.31	14.25	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)											
5	QPSK	1	0	0	14.35	14.25	14.27	15.6	0		
5	QPSK	1	12	0	14.43	14.59	14.45				
5	QPSK	1	24	0	14.18	14.32	14.18				
5	QPSK	12	0	0	14.33	14.37	14.23				
5	QPSK	12	7	0	14.40	14.59	14.42	15.6	0		
5	QPSK	12	13	0	14.13	14.21	14.20				
5	QPSK	25	0	0	14.47	14.44	14.27				
5	16QAM	1	0	0	14.23	14.24	14.35				
5	16QAM	1	12	0	14.56	14.52	14.55	15.6	0		
5	16QAM	1	24	0	14.27	14.35	14.35				
5	16QAM	12	0	0	14.28	14.34	14.20				
5	16QAM	12	7	0	14.24	14.37	14.35				
5	16QAM	12	13	0	14.09	14.10	14.02	15.6	0		
5	16QAM	25	0	0	14.15	14.26	14.24				
5	64QAM	1	0	0	14.53	14.50	14.53				
5	64QAM	1	12	0	14.51	14.50	14.47				
5	64QAM	1	24	0	14.42	14.38	14.24	15.6	0		
5	64QAM	12	0	0	14.58	14.45	14.20				
5	64QAM	12	7	0	14.35	14.53	14.29				
5	64QAM	12	13	0	14.25	14.20	14.33				
5	64QAM	25	0	0	14.17	14.30	14.30	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)											
3	QPSK	1	0	0	14.40	14.25	14.20	15.6	0		
3	QPSK	1	8	0	14.47	14.69	14.44				
3	QPSK	1	16	0	14.20	14.23	14.20				
3	QPSK	8	0	0	14.26	14.33	14.25				
3	QPSK	8	4	0	14.48	14.60	14.45	15.6	0		
3	QPSK	8	7	0	14.17	14.26	14.16				
3	QPSK	15	0	0	14.30	14.46	14.36				
3	16QAM	1	0	0	14.18	14.22	14.30				
3	16QAM	1	8	0	14.58	14.49	14.50	15.6	0		
3	16QAM	1	14	0	14.29	14.35	14.31				
3	16QAM	8	0	0	14.38	14.24	14.14				
3	16QAM	8	4	0	14.15	14.39	14.35				
3	16QAM	8	7	0	14.08	14.11	14.01	15.6	0		
3	16QAM	15	0	0	14.14	14.27	14.24				
3	64QAM	1	0	0	14.49	14.52	14.54				
3	64QAM	1	8	0	14.51	14.51	14.46				
3	64QAM	1	14	0	14.42	14.38	14.27	15.6	0		
3	64QAM	8	0	0	14.40	14.50	14.35				
3	64QAM	8	4	0	14.28	14.46	14.30				
3	64QAM	8	7	0	14.29	14.29	14.24				
3	64QAM	15	0	0	14.09	14.25	14.25	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	0	14.607	14.800	14.993	15.6	0		
1.4	QPSK	1	3	0	14.48	14.25	14.23				
1.4	QPSK	1	6	0	14.44	14.66	14.44				
1.4	QPSK	1	9	0	14.16	14.32	14.17				
1.4	QPSK	3	0	0	14.31	14.29	14.17	15.6	0		
1.4	QPSK	3	1	0	14.45	14.54	14.44				
1.4	QPSK	3	3	0	14.13	14.19	14.19				
1.4	QPSK	6	0	0	14.39	14.47	14.27				
1.4	16QAM	1	0	0	14.19	14.31	14.35	15.6	0		
1.4	16QAM	1	3	0	14.59	14.49	14.54				
1.4	16QAM	1	5	0	14.42	14.45	14.33				
1.4	16QAM	3	0	0	14.35	14.33	14.16				
1.4	16QAM	3	1	0	14.17	14.37	14.30	15.6	0		
1.4	16QAM	3	3	0	14.17	14.15	14.08				
1.4	16QAM	6	0	0	14.11	14.30	14.19				
1.4	64QAM	1	0	0	14.48	14.49	14.59				
1.4	64QAM	1	3	0	14.56	14.49	14.52	15.6	0		
1.4	64QAM	1	5	0	14.42	14.37	14.20				
1.4	64QAM	3	0	0	14.45	14.48	14.28				
1.4	64QAM	3	1	0	14.14	14.54	14.27				
1.4	64QAM	3	3	0	14.27	14.38	14.30	15.6	0		
1.4	64QAM	6	0	0	14.16	14.26	14.32				
Channel											
Frequency (MHz)											

Band 4_Ant 13

BW [MHz]	Modulation	Channel	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	1720	1732.5	1745			
20	QPSK	1	49	15.17	15.26	15.25		16.5	0
20	QPSK	1	99	15.17	15.26	15.25			
20	QPSK	1	99	15.28	15.19	15.11			
20	QPSK	50	0	15.34	15.31	15.32			
20	QPSK	50	24	15.34	15.31	15.32			
20	QPSK	50	50	15.32	15.49	15.39		16.5	0
20	QPSK	100	0	15.52	15.55	15.34			
20	16QAM	1	0	15.58	15.58	15.58			
20	16QAM	1	49	15.58	15.58	15.6		16.5	0
20	16QAM	1	99	15.61	15.57	15.58			
20	16QAM	50	0	15.5	15.67	15.45			
20	16QAM	50	24	15.51	15.58	15.37		16.5	0
20	16QAM	50	50	15.47	15.52	15.32			
20	16QAM	100	0	15.31	15.41	15.27			
20	64QAM	1	0	15.58	15.55	15.6			
20	64QAM	1	49	15.6	15.56	15.53		16.5	0
20	64QAM	1	99	15.55	15.57	15.53			
20	64QAM	50	0	15.55	15.36	15.53			
20	64QAM	50	24	15.53	15.53	15.38		16.5	0
20	64QAM	50	50	15.44	15.55	15.33			
20	64QAM	100	0	15.48	15.47	15.42			
Channel Frequency (MHz)									
15	QPSK	1	0	15.11	15.24	15.21			
15	QPSK	1	37	15.50	15.54	15.41		16.5	0
15	QPSK	1	74	15.21	15.11	15.07			
15	QPSK	36	0	15.29	15.23	15.47			
15	QPSK	36	36	15.53	15.48	15.58		16.5	0
15	QPSK	36	39	15.41	15.43	15.30			
15	QPSK	75	0	15.47	15.44	15.32			
15	16QAM	1	0	15.46	15.50	15.47			
15	16QAM	1	37	15.50	15.56	15.56		16.5	0
15	16QAM	1	74	15.56	15.47	15.54			
15	16QAM	36	0	15.46	15.44	15.41			
15	16QAM	36	20	15.47	15.47	15.34		16.5	0
15	16QAM	36	39	15.43	15.40	15.21			
15	16QAM	75	0	15.21	15.32	15.12			
15	64QAM	1	0	15.50	15.51	15.55			
15	64QAM	1	37	15.52	15.48	15.43		16.5	0
15	64QAM	1	74	15.48	15.46	15.50			
15	64QAM	36	0	15.46	15.33	15.47			
15	64QAM	36	20	15.47	15.49	15.36		16.5	0
15	64QAM	36	39	15.37	15.43	15.28			
15	64QAM	75	0	15.43	15.45	15.40			
Channel Frequency (MHz)									
10	QPSK	1	0	15.09	15.21	15.22			
10	QPSK	1	25	15.53	15.57	15.35		16.5	0
10	QPSK	1	49	15.28	15.09	15.05			
10	QPSK	25	0	15.24	15.22	15.46			
10	QPSK	25	12	15.49	15.54	15.48		16.5	0
10	QPSK	25	25	15.46	15.39	15.33			
10	QPSK	50	0	15.47	15.44	15.32			
10	16QAM	1	0	15.54	15.53	15.51			
10	16QAM	1	25	15.44	15.55	15.58		16.5	0
10	16QAM	1	49	15.49	15.52	15.57			
10	16QAM	25	0	15.41	15.36	15.42			
10	16QAM	25	12	15.48	15.46	15.33		16.5	0
10	16QAM	25	25	15.41	15.43	15.25			
10	16QAM	50	0	15.19	15.36	15.19			
10	64QAM	1	0	15.50	15.47	15.56		16.5	0
10	64QAM	1	25	15.51	15.44	15.50			
10	64QAM	1	49	15.45	15.51	15.48			
10	64QAM	25	0	15.48	15.29	15.42		16.5	0
10	64QAM	25	12	15.50	15.51	15.28			
10	64QAM	25	25	15.36	15.46	15.35		16.5	0
10	64QAM	50	0	15.39	15.41	15.30			
Channel Frequency (MHz)									
5	QPSK	1	0	15.14	15.19	15.20			
5	QPSK	1	12	15.48	15.58	15.41		16.5	0
5	QPSK	1	24	15.16	15.14	15.08			
5	QPSK	12	0	15.31	15.24	15.42			
5	QPSK	12	7	15.50	15.53	15.50		16.5	0
5	QPSK	12	13	15.43	15.45	15.35			
5	QPSK	25	0	15.50	15.43	15.24			
5	16QAM	1	0	15.51	15.45	15.54		16.5	0
5	16QAM	1	12	15.53	15.46	15.53			
5	16QAM	1	24	15.59	15.45	15.51			
5	16QAM	12	0	15.38	15.38	15.41			
5	16QAM	12	7	15.39	15.47	15.31		16.5	0
5	16QAM	12	13	15.39	15.44	15.26			
5	16QAM	25	0	15.21	15.36	15.18			
5	64QAM	1	0	15.55	15.47	15.53		16.5	0
5	64QAM	1	12	15.53	15.45	15.45			
5	64QAM	1	24	15.50	15.49	15.47			
5	64QAM	12	0	15.50	15.27	15.43		16.5	0
5	64QAM	12	7	15.41	15.46	15.32			
5	64QAM	12	13	15.32	15.44	15.28		16.5	0
5	64QAM	25	0	15.40	15.41	15.30			
Channel Frequency (MHz)									
3	QPSK	1	0	15.12	15.22	15.15			
3	QPSK	1	8	15.54	15.50	15.32		16.5	0
3	QPSK	1	14	15.24	15.08	15.06			
3	QPSK	8	0	15.25	15.24	15.41			
3	QPSK	8	4	15.50	15.57	15.50		16.5	0
3	QPSK	8	7	15.43	15.47	15.36			
3	QPSK	15	0	15.40	15.51	15.31			
3	16QAM	1	0	15.53	15.47	15.46		16.5	0
3	16QAM	1	8	15.51	15.49	15.58			
3	16QAM	1	14	15.49	15.49	15.47			
3	16QAM	8	0	15.38	15.36	15.34			
3	16QAM	8	4	15.45	15.52	15.35		16.5	0
3	16QAM	8	7	15.42	15.50	15.20			
3	16QAM	15	0	15.20	15.38	15.09			
3	64QAM	1	0	15.46	15.53	15.49		16.5	0
3	64QAM	1	8	15.57	15.49	15.42			
3	64QAM	1	14	15.45	15.54	15.45			
3	64QAM	8	0	15.45	15.34	15.47			
3	64QAM	8	4	15.47	15.48	15.32		16.5	0
3	64QAM	8	7	15.41	15.47	15.30			
3	64QAM	15	0	15.43	15.41	15.30			
Channel Frequency (MHz)									
1.4	QPSK	1	0	17.07	17.23.5	17.43			
1.4	QPSK	1	3	15.52	15.53	15.33		16.5	0
1.4	QPSK	1	5	15.28	15.09	15.00			
1.4	QPSK	3	0	15.26	15.28	15.40			
1.4	QPSK	3	1	15.50	15.54	15.56		16.5	0
1.4	QPSK	3	3	15.44	15.38	15.31			
1.4	QPSK	6	0	15.47	15.44	15.24		16.5	0
1.4	16QAM	1	0	15.53	15.46	15.44			
1.4	16QAM	1	3	15.47	15.51	15.52			
1.4	16QAM	1	5	15.55	15.51	15.55		16.5	0
1.4	16QAM	3	0	15.45	15.41	15.36			
1.4	16QAM	3	1	15.40	15.52	15.28			
1.4	16QAM	3	3	15.40	15.41	15.30		16.5	0
1.4	16QAM	6	0	15.20	15.38	15.10			
1.4	64QAM	1	0	15.56	15.52	15.52			
1.4	64QAM	1	3	15.49	15.49	15.48		16.5	0
1.4	64QAM	1	5	15.46	15.50	15.50			
1.4	64QAM	3	0	15.52	15.25	15.42			
1.4	64QAM	3	1	15.45	15.47	15.36		16.5	0
1.4	64QAM	3	3	15.32	15.45	15.26			
1.4	64QAM	6	0	15.42	15.41	15.32		16.5	0

Band 4_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 Frequency (MHz)								
20	QPSK	1	0	1720	1727.5	1745		
20	QPSK	1	49	23.09	23.10	23.25	24	0
20	QPSK	1	99	22.94	22.91	22.98		
20	QPSK	50	0	22.27	22.30	22.21		
20	QPSK	50	24	22.25	22.42	22.35	23	1
20	QPSK	50	50	22.32	22.39	22.27		
20	QPSK	100	0	22.27	22.40	22.21		
20	16QAM	1	0	22.25	22.44	22.30		
20	16QAM	1	49	22.71	22.56	22.70	23	1
20	16QAM	1	99	22.39	22.41	22.33		
20	16QAM	50	0	21.30	21.28	21.15		
20	16QAM	50	24	21.32	21.52	21.23	22	2
20	16QAM	50	50	21.35	21.29	21.25		
20	16QAM	100	0	21.32	21.34	21.12		
20	64QAM	1	0	21.23	21.55	21.43		
20	64QAM	1	49	21.48	21.52	21.47	22	2
20	64QAM	1	99	21.34	21.19	21.33		
20	64QAM	50	0	20.23	20.36	20.23		
20	64QAM	50	24	20.29	20.39	20.24	21	3
20	64QAM	50	50	20.38	20.42	20.28		
20	64QAM	100	0	20.38	20.35	20.17		
Channel Frequency (MHz)								
15	QPSK	1	0	20025	20075	20305	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	37	22.18	22.17	22.15		
15	QPSK	1	74	22.22	22.43	22.90	24	0
15	QPSK	36	0	22.22	22.17	22.18		
15	QPSK	36	28	22.23	22.28	22.17	23	1
15	QPSK	36	98	22.17	22.32	22.22		
15	QPSK	75	0	22.27	22.18	22.18		
15	16QAM	1	0	22.25	22.34	22.23	23	1
15	16QAM	1	37	22.10	22.20	22.10		
15	16QAM	1	74	22.33	22.29	22.22		
15	16QAM	36	0	21.28	21.21	21.07		
15	16QAM	36	28	21.23	21.47	21.14	22	2
15	16QAM	36	99	21.34	21.19	21.19		
15	16QAM	75	0	21.20	21.27	20.99		
15	64QAM	1	0	21.22	21.41	21.41	21	3
15	64QAM	1	37	21.38	21.48	21.41		
15	64QAM	1	74	21.22	21.11	21.21		
15	64QAM	36	0	20.11	20.21	20.13		
15	64QAM	36	28	20.17	20.25	20.15		
15	64QAM	36	99	20.24	20.40	20.23	21	3
15	64QAM	75	0	20.28	20.29	20.10		
Channel Frequency (MHz)								
10	QPSK	1	0	20000	20075	20305	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	23.25	23.21	23.18	24	0
10	QPSK	1	49	22.88	22.84	22.86		
10	QPSK	25	0	22.21	22.30	22.21		
10	QPSK	25	12	22.26	22.32	22.20	23	1
10	QPSK	25	25	22.26	22.29	22.28		
10	QPSK	50	0	22.17	22.17	22.18		
10	16QAM	1	0	22.16	22.32	22.21	23	1
10	16QAM	1	25	22.68	22.67	22.67		
10	16QAM	1	49	22.35	22.27	22.30		
10	16QAM	25	0	21.17	21.18	21.12		
10	16QAM	25	12	21.24	21.52	21.17	22	2
10	16QAM	25	25	21.30	21.24	21.19		
10	16QAM	50	0	21.29	21.25	21.09		
10	64QAM	1	0	21.21	21.45	21.35	22	2
10	64QAM	1	25	21.33	21.41	21.35		
10	64QAM	1	49	21.19	21.04	21.29		
10	64QAM	25	0	20.19	20.27	20.20		
10	64QAM	25	12	20.14	20.34	20.21	21	3
10	64QAM	25	25	20.32	20.36	20.26		
10	64QAM	50	0	20.30	20.34	20.16		
Channel Frequency (MHz)								
5	QPSK	1	0	19975	20075	20375	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	23.18	23.28	23.25	24	0
5	QPSK	1	24	22.83	22.80	22.87		
5	QPSK	12	0	22.18	22.21	22.11		
5	QPSK	12	7	22.21	22.38	22.28	23	1
5	QPSK	12	13	22.34	22.37	22.17		
5	QPSK	25	0	22.22	22.18	22.17		
5	16QAM	1	0	22.24	22.35	22.21	23	1
5	16QAM	1	12	22.58	22.55	22.52		
5	16QAM	1	24	22.29	22.31	22.32		
5	16QAM	12	0	21.21	21.17	21.11		
5	16QAM	12	7	21.17	21.51	21.10	22	2
5	16QAM	12	13	21.33	21.29	21.10		
5	16QAM	25	0	21.18	21.27	21.07		
5	16QAM	1	0	21.08	21.47	21.29	22	2
5	64QAM	1	12	21.38	21.37	21.33		
5	64QAM	1	24	21.28	21.05	21.19		
5	64QAM	12	0	20.16	20.31	20.19		
5	64QAM	12	7	20.14	20.29	20.22	21	3
5	64QAM	12	13	20.25	20.31	20.15		
5	64QAM	25	0	20.29	20.35	20.14		
Channel Frequency (MHz)								
3	QPSK	1	0	19965	20075	20385	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	23.30	23.29	23.24	24	0
3	QPSK	1	14	22.91	22.88	22.97		
3	QPSK	8	0	22.24	22.17	22.17		
3	QPSK	8	4	22.27	22.33	22.21	23	1
3	QPSK	8	7	22.48	22.33	22.18		
3	QPSK	15	0	22.17	22.29	22.21		
3	16QAM	1	0	22.14	22.42	22.18		
3	16QAM	1	8	22.67	22.63	22.61	23	1
3	16QAM	1	14	22.28	22.34	22.28		
3	16QAM	8	0	21.26	21.15	21.14		
3	16QAM	8	4	21.29	21.44	21.21	22	2
3	16QAM	8	7	21.21	21.14	21.18		
3	16QAM	15	0	21.30	21.26	20.99		
3	64QAM	1	0	21.10	21.41	21.19	22	2
3	64QAM	1	8	21.46	21.50	21.44		
3	64QAM	1	14	21.29	21.07	21.30		
3	64QAM	8	0	20.20	20.25	20.22		
3	64QAM	8	4	20.19	20.38	20.15	21	3
3	64QAM	8	7	20.32	20.32	20.27		
3	64QAM	15	0	20.29	20.34	20.08		
Channel Frequency (MHz)								
1.4	QPSK	1	0	19957	20075	20393	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	23.23	23.20	23.15	24	0
1.4	QPSK	1	3	22.94	22.88	22.86		
1.4	QPSK	3	0	23.09	23.10	23.17		
1.4	QPSK	3	1	23.03	22.99	23.11	23	1
1.4	QPSK	3	3	23.02	23.02	23.22		
1.4	QPSK	6	0	22.21	22.27	22.18		
1.4	16QAM	1	0	22.23	22.44	22.26	23	1
1.4	16QAM	1	3	22.58	22.42	22.25		
1.4	16QAM	1	5	22.24	22.32	22.25		
1.4	16QAM	3	0	22.32	22.29	22.17	23	1
1.4	16QAM	3	1	22.25	22.42	22.20		
1.4	16QAM	3	3	22.34	22.33	22.22		
1.4	16QAM	6	0	21.21	21.33	21.05	22	2
1.4	64QAM	1	0	21.10	21.55	21.39		
1.4	64QAM	1	3	21.47	21.42	21.36		
1.4	64QAM	1	5	21.28	21.15	21.31		
1.4	64QAM	3	0	21.16	21.51	21.01	22	2
1.4	64QAM	3	1	21.17	21.25	21.05		
1.4	64QAM	3	3	21.23	21.31	21.03		
1.4	64QAM	6	0	20.25	20.25	20.17	21	3

Band 5_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 Frequency (MHz)								
10	QPSK	1	0	21.60	21.76	21.61	23	0
10	QPSK	1	25	21.60	21.77	21.62		
10	QPSK	1	49	21.63	21.69	21.48		
10	QPSK	25	0	21.54	21.58	21.67	23	0
10	QPSK	25	12	21.54	21.75	21.68		
10	QPSK	25	25	21.50	21.63	21.50		
10	QPSK	50	0	21.69	21.72	21.67	23	0
10	16QAM	1	0	21.68	21.75	21.68		
10	16QAM	1	25	21.70	21.69	21.75		
10	16QAM	49	0	21.69	21.69	21.72	23	0
10	16QAM	25	0	21.05	21.07	21.04		
10	16QAM	25	12	21.38	21.25	21.32		
10	16QAM	25	25	20.92	21.02	21.00	22.5	0.5
10	16QAM	50	0	21.07	21.13	21.03		
10	64QAM	1	0	21.50	21.47	21.41		
10	64QAM	1	25	21.58	21.52	21.49	22.5	0.5
10	64QAM	49	0	21.43	21.48	21.44		
10	64QAM	25	0	20.15	20.16	20.13		
10	64QAM	25	12	20.27	20.31	20.13	21.5	1.5
10	64QAM	25	25	20.05	20.14	20.08		
10	64QAM	50	0	20.10	20.15	20.14		
Channel Frequency (MHz)								
20	QPSK	1	0	21.58	21.71	21.57	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	12	21.58	21.65	21.53		
20	QPSK	1	24	21.53	21.64	21.38		
5	QPSK	12	0	21.47	21.54	21.63	23	0
5	QPSK	12	7	21.66	21.65	21.52		
5	QPSK	12	13	21.46	21.53	21.43		
5	QPSK	25	0	21.57	21.65	21.62	23	0
5	16QAM	1	0	21.62	21.69	21.63		
5	16QAM	1	12	21.62	21.63	21.67		
5	16QAM	1	24	21.66	21.66	21.60	23	0
5	16QAM	12	0	20.96	20.99	20.96		
5	16QAM	12	7	21.26	21.16	21.21		
5	16QAM	12	13	20.82	20.95	20.98	22.5	0.5
5	16QAM	25	0	21.03	21.01	21.00		
5	64QAM	1	0	21.48	21.43	21.34		
5	64QAM	1	12	21.56	21.47	21.38	22.5	0.5
5	64QAM	1	24	21.31	21.45	21.41		
5	64QAM	12	0	20.06	20.14	20.09		
5	64QAM	12	7	20.20	20.19	20.10	21.5	1.5
5	64QAM	12	13	20.01	20.05	20.03		
5	64QAM	25	0	20.05	20.12	20.10		
Channel Frequency (MHz)								
30	QPSK	1	0	21.58	21.71	21.51	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	8	21.65	21.65	21.55		
30	QPSK	1	14	21.61	21.57	21.37		
30	QPSK	8	0	21.44	21.53	21.65	23	0
30	QPSK	8	4	21.57	21.64	21.58		
30	QPSK	8	7	21.45	21.52	21.43		
30	QPSK	15	0	21.63	21.70	21.62	23	0
30	16QAM	1	0	21.58	21.73	21.57		
30	16QAM	1	8	21.65	21.64	21.72		
30	16QAM	1	14	21.61	21.64	21.67	23	0
30	16QAM	8	0	20.94	20.99	20.94		
30	16QAM	8	4	21.25	21.15	21.28		
30	16QAM	8	7	20.82	20.95	20.90	22.5	0.5
30	16QAM	15	0	21.00	21.09	20.95		
30	64QAM	1	0	21.47	21.45	21.37		
30	64QAM	1	8	21.54	21.47	21.38	22.5	0.5
30	64QAM	1	14	21.37	21.41	21.34		
30	64QAM	8	0	20.12	20.09	20.06		
30	64QAM	8	4	20.15	20.26	20.04	21.5	1.5
30	64QAM	8	7	20.01	20.08	20.07		
30	64QAM	15	0	19.98	20.06	20.05		
Channel Frequency (MHz)								
1.4	QPSK	1	0	21.56	21.69	21.57	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	21.66	21.75	21.62		
1.4	QPSK	1	5	21.51	21.65	21.38		
1.4	QPSK	3	0	21.48	21.48	21.65	23	0
1.4	QPSK	3	1	21.66	21.73	21.67		
1.4	QPSK	3	3	21.41	21.59	21.48		
1.4	QPSK	6	0	21.61	21.62	21.56	23	0
1.4	16QAM	1	0	21.65	21.65	21.59		
1.4	16QAM	1	3	21.68	21.60	21.65		
1.4	16QAM	1	5	21.57	21.64	21.65	23	0
1.4	16QAM	3	0	21.68	21.61	21.61		
1.4	16QAM	3	1	21.68	21.60	21.63		
1.4	16QAM	3	3	21.59	21.59	21.66	22.5	0.5
1.4	16QAM	6	0	21.00	21.05	21.00		
1.4	64QAM	1	0	21.45	21.43	21.35		
1.4	64QAM	1	3	21.52	21.49	21.47	22.5	0.5
1.4	64QAM	1	5	21.41	21.48	21.36		
1.4	64QAM	3	0	21.42	21.43	21.39		
1.4	64QAM	3	1	21.51	21.51	21.43	21.5	1.5
1.4	64QAM	3	3	21.44	21.51	21.38		
1.4	64QAM	6	0	20.02	20.05	20.02		

Band 5_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 Frequency (MHz)								
10	QPSK	1	0	22.93	22.78	22.92	24	0
10	QPSK	1	25	21.05	22.09	22.98		
10	QPSK	1	49	22.87	22.86	22.75		
10	QPSK	25	0	21.88	21.92	21.8	23	1
10	QPSK	25	12	22.04	22.13	21.94		
10	QPSK	25	25	22	21.84	21.66		
10	QPSK	50	0	22.01	22.08	21.95	23	1
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13		
10	16QAM	49	0	22.16	22.02	22.23	22	2
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.96	21.03	20.98		
10	16QAM	25	25	20.8	20.9	20.68	22	2
10	16QAM	50	0	20.96	20.95	20.9		
10	64QAM	1	0	20.95	21.27	21.33		
10	64QAM	1	25	21.41	21.37	21.18	22	2
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.96	20.02	19.94		
10	64QAM	25	12	20.1	20.12	20.03	21	3
10	64QAM	25	25	19.98	19.96	19.74		
10	64QAM	50	0	19.9	20.05	19.8		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.78	22.71	22.82	24	0
5	QPSK	1	12	22.98	22.96	22.81		
5	QPSK	1	24	22.84	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77	23	1
5	QPSK	12	7	21.97	22.00	21.83		
5	QPSK	12	13	21.93	21.81	21.60		
5	QPSK	25	0	21.90	21.96	21.82	23	1
5	16QAM	1	0	21.83	22.05	22.02		
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.06	22	2
5	16QAM	12	0	20.97	20.90	20.74		
5	16QAM	12	7	20.86	20.89	20.92		
5	16QAM	12	13	20.80	20.80	20.67	22	2
5	16QAM	25	0	20.95	20.93	20.79		
5	16QAM	25	12	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07	22	2
5	64QAM	1	24	20.82	20.82	20.81		
5	64QAM	12	0	19.82	19.92	19.85		
5	64QAM	12	7	19.95	20.04	19.98	21	3
5	64QAM	12	13	19.88	19.92	19.89		
5	64QAM	25	0	19.81	19.98	19.69		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	22.85	22.85	22.85	24	0
3	QPSK	1	8	22.80	22.87	22.85		
3	QPSK	1	14	22.88	22.76	22.80		
3	QPSK	8	0	21.77	21.80	21.67	23	1
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	21.83	21.65		
3	QPSK	15	0	21.86	22.04	21.88	23	1
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08		
3	16QAM	1	14	22.15	21.98	22.15	22	2
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.89	20.93	20.83		
3	16QAM	8	7	20.74	20.93	20.89	22	2
3	16QAM	15	0	20.88	20.85	20.68		
3	64QAM	1	0	20.95	21.23	21.29		
3	64QAM	1	8	21.41	21.33	21.04	22	2
3	64QAM	1	14	20.91	20.93	20.89		
3	64QAM	8	0	19.89	20.00	19.86		
3	64QAM	8	4	20.01	20.08	19.93	21	3
3	64QAM	8	7	19.90	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.92	22.68	22.88	24	0
1.4	QPSK	3	0	22.93	22.68	22.84		
1.4	QPSK	1	5	22.87	22.74	22.65		
1.4	QPSK	3	0	22.85	22.75	22.75	23	1
1.4	QPSK	3	1	22.95	22.82	22.72		
1.4	QPSK	3	3	22.82	22.84	22.73		
1.4	QPSK	6	0	21.89	21.94	21.90	22	2
1.4	16QAM	1	0	21.93	21.99	22.11		
1.4	16QAM	1	21.95	22.05	22.28	21.94		
1.4	16QAM	3	1	21.90	22.08	21.81	23	1
1.4	16QAM	3	3	21.98	22.07	21.88		
1.4	16QAM	3	21.94	21.94	21.85	21.85		
1.4	16QAM	3	3	21.88	22.08	21.85	22	2
1.4	16QAM	6	0	20.83	20.86	20.74		
1.4	16QAM	1	20.91	21.13	21.23	21.23		
1.4	64QAM	1	3	21.03	21.02	20.75	22	2
1.4	64QAM	1	5	21.00	21.04	20.82		
1.4	64QAM	3	0	20.98	20.97	20.79		
1.4	64QAM	3	1	20.91	20.92	20.80	21	3
1.4	64QAM	3	3	21.05	20.97	20.89		
1.4	64QAM	3	19.98	19.95	19.85	19.85		

Band 7_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 Frequency (MHz)				2510	2110	2130	13.5	0
20	QPSK	1	0	12.66	12.67	12.51		
20	QPSK	1	49	12.85	12.50	12.54		
20	QPSK	1	99	12.74	12.81	12.85	13.5	0
20	QPSK	50	0	12.80	12.85	12.66		
20	QPSK	50	24	12.81	12.58	12.59		
20	QPSK	50	50	12.81	12.82	12.67	13.5	0
20	QPSK	100	0	12.85	12.86	12.75		
20	16QAM	1	0	12.81	12.89	12.87		
20	16QAM	1	49	12.88	12.82	12.86	13.5	0
20	16QAM	1	99	12.88	12.82	12.89		
20	16QAM	50	0	12.81	12.83	12.84		
20	16QAM	50	24	12.81	12.88	12.83	13.5	0
20	16QAM	50	50	12.84	12.72	12.85		
20	16QAM	100	0	12.81	12.83	12.73		
20	64QAM	1	0	12.83	12.69	12.82	13.5	0
20	64QAM	1	49	12.88	12.87	12.82		
20	64QAM	1	99	12.88	12.81	12.85		
20	64QAM	50	0	12.85	12.83	12.88	13.5	0
20	64QAM	50	24	12.84	12.80	12.87		
20	64QAM	50	50	12.80	12.80	12.84		
20	64QAM	100	0	12.81	12.84	12.76	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				2507.5	2110	2137.5	13.5	0
				2507.5	2535	2552.5		
15	QPSK	1	0	12.58	12.57	12.42		
15	QPSK	1	37	12.76	12.86	12.76	13.5	0
15	QPSK	1	74	12.70	12.79	12.55		
15	QPSK	36	0	12.70	12.76	12.64		
15	QPSK	36	20	12.77	12.78	12.76	13.5	0
15	QPSK	36	39	12.79	12.78	12.56		
15	QPSK	75	0	12.76	12.80	12.63		
15	16QAM	1	0	12.73	12.84	12.75	13.5	0
15	16QAM	1	37	12.78	12.72	12.82		
15	16QAM	1	74	12.74	12.51	12.64		
15	16QAM	36	0	12.69	12.78	12.53	13.5	0
15	16QAM	36	20	12.79	12.83	12.72		
15	16QAM	36	39	12.73	12.68	12.73		
15	16QAM	75	0	12.70	12.80	12.69	13.5	0
15	64QAM	1	0	12.75	12.67	12.72		
15	64QAM	1	37	12.84	12.75	12.77		
15	64QAM	1	74	12.80	12.77	12.73	13.5	0
15	64QAM	36	0	12.81	12.81	12.81		
15	64QAM	36	20	12.81	12.72	12.81		
15	64QAM	36	39	12.72	12.74	12.72	13.5	0
15	64QAM	75	0	12.72	12.76	12.70		
Channel Frequency (MHz)				2600	2110	2140	Tune-up limit (dBm)	MPR (dB)
				2605	2535	2555	13.5	0
10	QPSK	1	0	12.64	12.55	12.41		
10	QPSK	1	25	12.82	12.87	12.74		
10	QPSK	1	49	12.70	12.71	12.57	13.5	0
10	QPSK	25	0	12.72	12.80	12.59		
10	QPSK	25	12	12.75	12.79	12.80		
10	QPSK	25	25	12.73	12.78	12.81	13.5	0
10	QPSK	50	0	12.77	12.80	12.88		
10	16QAM	1	0	12.75	12.80	12.85		
10	16QAM	1	25	12.78	12.71	12.84	13.5	0
10	16QAM	1	49	12.72	12.55	12.62		
10	16QAM	25	0	12.75	12.86	12.92		
10	16QAM	25	12	12.72	12.86	12.73	13.5	0
10	16QAM	25	25	12.75	12.69	12.80		
10	16QAM	50	0	12.74	12.81	12.94		
10	64QAM	1	0	12.72	12.84	12.71	13.5	0
10	64QAM	1	25	12.83	12.83	12.70		
10	64QAM	1	49	12.80	12.73	12.82		
10	64QAM	1	74	12.80	12.72	12.80	13.5	0
10	64QAM	25	0	12.80	12.72	12.80		
10	64QAM	25	12	12.74	12.74	12.79		
10	64QAM	25	25	12.68	12.71	12.75	13.5	0
10	64QAM	50	0	12.75	12.73	12.69		
Channel Frequency (MHz)				2677.5	2110	2142.5	Tune-up limit (dBm)	MPR (dB)
				2682.5	2535	2557.5	13.5	0
5	QPSK	1	0	12.62	12.62	12.44		
5	QPSK	1	12	12.80	12.80	12.81		
5	QPSK	1	24	12.70	12.72	12.63	13.5	0
5	QPSK	12	0	12.72	12.83	12.64		
5	QPSK	12	7	12.84	12.79	12.77		
5	QPSK	12	13	12.73	12.74	12.56	13.5	0
5	QPSK	25	0	12.75	12.84	12.85		
5	16QAM	1	0	12.70	12.84	12.78		
5	16QAM	1	12	12.76	12.78	12.75	13.5	0
5	16QAM	1	24	12.71	12.50	12.57		
5	16QAM	12	0	12.74	12.80	12.56		
5	16QAM	12	7	12.69	12.85	12.77	13.5	0
5	16QAM	12	13	12.72	12.67	12.78		
5	16QAM	25	0	12.69	12.80	12.69		
5	64QAM	1	12	12.77	12.81	12.72	13.5	0
5	64QAM	1	24	12.76	12.74	12.74		
5	64QAM	12	0	12.80	12.74	12.64		
5	64QAM	12	7	12.75	12.70	12.81	13.5	0
5	64QAM	12	13	12.70	12.68	12.76		
5	64QAM	25	0	12.77	12.81	12.64		

Band 7_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 Frequency (MHz)								
20	QPSK	1	0	23.10	23.07	23.02	24	0
20	QPSK	1	49	23.13	23.15	23.11		
20	QPSK	1	99	23.11	23.11	23.07		
20	QPSK	50	0	21.92	22.05	21.88	23	1
20	QPSK	50	24	21.95	22.11	22.01		
20	QPSK	50	50	22.03	22.05	22.00		
20	16QAM	100	0	22.02	22.09	22.08	23	1
20	16QAM	1	0	22.15	22.46	22.49		
20	16QAM	1	49	22.39	22.47	22.27		
20	16QAM	1	99	22.22	22.34	22.16	22	2
20	16QAM	50	0	21.20	21.38	21.17		
20	16QAM	50	24	21.35	21.48	21.35		
20	16QAM	50	50	21.32	21.39	21.11	22	2
20	16QAM	100	0	21.18	21.41	21.10		
20	64QAM	1	0	21.46	21.27	21.27		
20	64QAM	1	49	21.13	21.39	21.11	22	2
20	64QAM	1	99	21.50	21.37	21.27		
20	64QAM	50	0	20.26	20.30	20.18		
20	64QAM	50	24	20.31	20.40	20.25	21	3
20	64QAM	50	50	20.35	20.36	20.15		
20	64QAM	100	0	20.28	20.43	20.13		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.08	23.02	22.90	24	0
15	QPSK	1	37	23.09	23.09	23.08		
15	QPSK	1	74	22.99	23.08	23.01		
15	QPSK	36	0	21.87	21.99	21.83	23	1
15	QPSK	36	20	21.95	21.98	21.98		
15	QPSK	36	39	21.91	21.97	21.88		
15	QPSK	75	0	21.90	22.07	21.99	23	1
15	16QAM	1	0	22.07	22.40	22.47		
15	16QAM	1	37	22.36	22.40	22.15		
15	16QAM	1	74	22.11	22.32	22.11	23	1
15	16QAM	36	0	21.08	21.28	21.15		
15	16QAM	36	20	21.31	21.45	21.28		
15	16QAM	36	39	21.30	21.31	21.04	22	2
15	16QAM	75	0	21.09	21.30	21.07		
15	64QAM	1	0	21.41	21.25	21.24		
15	64QAM	1	37	21.02	21.29	21.04	22	2
15	64QAM	1	74	21.34	21.34	21.21		
15	64QAM	36	0	20.22	20.25	20.11		
15	64QAM	36	20	20.21	20.31	20.18	21	3
15	64QAM	36	39	20.24	20.28	20.04		
15	64QAM	75	0	20.22	20.31	20.09		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.00	23.03	22.91	24	0
10	QPSK	1	25	23.05	23.05	23.04		
10	QPSK	1	49	23.08	23.00	22.98		
10	QPSK	25	0	21.86	21.97	21.82	23	1
10	QPSK	25	12	21.94	22.09	21.94		
10	QPSK	25	25	21.91	21.93	21.92		
10	QPSK	50	0	21.92	22.03	22.03	23	1
10	16QAM	1	0	22.05	22.36	22.41		
10	16QAM	1	25	22.31	22.38	22.15		
10	16QAM	1	49	22.19	22.32	22.08	22	2
10	16QAM	25	0	21.18	21.32	21.07		
10	16QAM	25	12	21.29	21.45	21.26		
10	16QAM	25	25	21.26	21.34	21.09	22	2
10	16QAM	50	0	21.16	21.37	20.99		
10	64QAM	1	0	21.44	21.17	21.22		
10	64QAM	1	12	21.10	21.32	21.09	22	2
10	64QAM	1	49	21.41	21.26	21.23		
10	64QAM	25	0	20.14	20.20	20.15		
10	64QAM	25	12	20.18	20.33	20.19	21	3
10	64QAM	25	25	20.25	20.25	20.07		
10	64QAM	50	0	20.26	20.38	20.04		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.02	22.98	22.92	24	0
5	QPSK	1	12	23.06	23.13	23.01		
5	QPSK	1	24	23.07	23.06	23.03		
5	QPSK	12	0	21.81	21.94	21.82	23	1
5	QPSK	12	7	22.02	22.03	21.99		
5	QPSK	12	13	21.91	21.97	21.94		
5	QPSK	25	0	21.94	21.97	22.02	23	1
5	16QAM	1	0	22.12	22.44	22.39		
5	16QAM	1	12	22.27	22.41	22.21		
5	16QAM	1	24	22.17	22.25	22.04	22	2
5	16QAM	12	0	21.13	21.26	21.09		
5	16QAM	12	12	21.15	21.44	21.31		
5	16QAM	12	13	21.20	21.28	21.00	22	2
5	16QAM	25	0	21.11	21.32	21.04		
5	16QAM	1	0	21.38	21.24	21.23		
5	64QAM	1	12	21.11	21.14	20.99	22	2
5	64QAM	1	24	21.44	21.35	21.24		
5	64QAM	12	0	20.24	20.29	20.12		
5	64QAM	12	7	20.26	20.33	20.17	21	3
5	64QAM	12	13	20.33	20.27	20.13		
5	64QAM	25	0	20.16	20.38	20.07		

Band 12_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				23005	23065	23135	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.80	22.72	22.84	23	1
10	QPSK	1	25	22.80	22.80	22.80		
10	QPSK	1	49	22.83	22.85	22.85		
10	QPSK	25	0	21.66	21.83	21.80		
10	QPSK	25	12	21.66	21.83	21.80	23	1
10	QPSK	25	25	21.80	21.87	21.83		
10	QPSK	50	0	21.79	21.98	21.95		
10	16QAM	1	0	21.74	22.37	22.08		
10	16QAM	1	25	22.11	22.11	22.57	22	2
10	16QAM	1	49	22.92	22.93	22.12		
10	16QAM	25	0	20.72	20.98	20.84		
10	16QAM	25	12	21.00	20.92	20.94		
10	16QAM	25	25	20.96	20.92	20.79	22	2
10	16QAM	50	0	20.84	20.88	20.90		
10	16QAM	50	0	20.88	21.22	21.22		
10	64QAM	1	0	21.37	21.40	21.35		
10	64QAM	1	25	21.33	21.14	20.96	21	3
10	64QAM	25	0	19.82	19.93	19.86		
10	64QAM	25	0	20.10	20.06	19.99		
10	64QAM	25	25	19.99	19.94	19.94		
10	64QAM	50	0	19.95	19.94	20.00	Tune-up limit (dBm)	MPR (dB)
Channel				23025	23095	23165		
Frequency (MHz)				701.5	707.5	713.5	24	0
5	QPSK	1	0	22.73	22.64	22.78		
5	QPSK	1	12	22.83	22.86	22.87	23	1
5	QPSK	1	24	22.89	22.71	22.87		
5	QPSK	12	0	21.54	21.74	21.65		
5	QPSK	12	7	21.86	21.74	21.88		
5	QPSK	12	13	21.69	21.84	21.73	23	1
5	QPSK	25	0	21.71	21.98	21.85		
5	16QAM	1	0	21.72	22.32	21.99		
5	16QAM	1	12	21.97	22.08	22.45		
5	16QAM	1	24	22.41	22.41	22.07	22	2
5	16QAM	12	0	20.68	20.83	20.71		
5	16QAM	12	7	20.91	20.92	20.79		
5	16QAM	12	13	20.90	20.92	20.66		
5	16QAM	25	0	20.81	20.78	20.83	22	2
5	64QAM	1	0	20.84	21.10	21.12		
5	64QAM	1	12	21.28	21.27	21.33		
5	64QAM	1	24	21.11	21.05	20.95		
5	64QAM	12	0	19.82	19.80	19.84	21	3
5	64QAM	12	7	19.97	19.96	19.88		
5	64QAM	12	13	19.97	19.89	19.80		
5	64QAM	25	0	19.83	19.89	19.85		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	714.5		
3	QPSK	1	0	22.77	22.62	22.78	24	0
3	QPSK	1	8	22.91	22.96	22.78		
3	QPSK	1	14	22.78	22.75	22.80		
3	QPSK	8	0	21.83	21.80	21.74		
3	QPSK	8	4	21.85	21.75	21.75	23	1
3	QPSK	8	7	21.97	21.82	21.74		
3	QPSK	15	0	21.78	21.85	21.90		
3	16QAM	1	0	21.70	22.28	22.04		
3	16QAM	1	8	21.98	22.06	22.54	23	1
3	16QAM	1	14	22.46	22.38	22.08		
3	16QAM	8	0	20.97	20.90	20.72		
3	16QAM	8	4	20.87	20.81	20.90		
3	16QAM	8	7	20.84	20.88	20.79	22	2
3	16QAM	15	0	20.82	20.82	20.90		
3	64QAM	1	0	20.80	21.16	21.13		
3	64QAM	1	8	21.37	21.30	21.23		
3	64QAM	1	14	21.33	21.02	20.84	21	3
3	64QAM	8	0	19.87	19.88	19.84		
3	64QAM	8	4	20.04	19.94	19.85		
3	64QAM	8	7	19.96	19.89	19.84		
3	64QAM	15	0	19.86	19.93	19.90	Tune-up limit (dBm)	MPR (dB)
Channel				23017	23095	23173		
Frequency (MHz)				699.7	707.5	715.3	24	0
1.4	QPSK	1	0	22.70	22.74	22.61		
1.4	QPSK	1	3	22.80	22.81	22.65	23	1
1.4	QPSK	1	5	22.80	22.65	22.72		
1.4	QPSK	3	0	22.79	22.82	22.71		
1.4	QPSK	3	1	22.69	22.63	22.74		
1.4	QPSK	3	3	22.81	22.82	22.70	23	1
1.4	QPSK	6	0	21.82	21.87	21.85		
1.4	16QAM	1	0	22.27	21.89	21.92		
1.4	16QAM	1	3	22.19	22.18	21.95		
1.4	16QAM	1	5	21.84	21.97	21.87	22	2
1.4	16QAM	3	0	21.70	21.77	21.78		
1.4	16QAM	3	1	21.83	21.83	21.91		
1.4	16QAM	3	3	21.84	21.73	21.92		
1.4	16QAM	6	0	21.07	21.05	20.99	22	2
1.4	64QAM	1	0	21.25	21.03	20.85		
1.4	64QAM	1	3	21.24	20.89	20.94		
1.4	64QAM	1	5	20.90	21.05	21.19		
1.4	64QAM	3	0	20.95	21.23	21.45	21	3
1.4	64QAM	3	1	21.10	20.76	21.13		
1.4	64QAM	3	3	21.07	21.12	20.99		
1.4	64QAM	6	0	19.95	19.95	19.94		

Band 12_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							24	0
Frequency (MHz)								
10	QPSK	1	0	22.71	22.81	22.85	23	1
10	QPSK	1	25	22.82	22.82	22.82		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.85	21.84		
10	QPSK	25	12	21.74	21.85	21.78	23	1
10	QPSK	25	25	21.73	21.88	21.86		
10	QPSK	50	0	21.68	21.75	21.73		
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01	23	1
10	16QAM	1	49	22.04	22.29	22.07		
10	16QAM	25	0	20.70	20.86	20.82		
10	16QAM	25	12	20.86	20.85	20.79		
10	16QAM	25	25	20.84	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.76		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91		
10	64QAM	1	49	20.93	20.94	20.85	22	2
10	64QAM	25	0	19.68	19.79	19.75		
10	64QAM	25	12	19.91	19.90	19.91		
10	64QAM	25	25	19.88	19.90	19.93		
10	64QAM	50	0	19.74	19.80	19.86	21	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	22.57	22.80	22.56		
5	QPSK	1	24	22.76	22.83	22.83	24	0
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.84	21.84		
5	QPSK	12	7	21.69	21.78	21.78		
5	QPSK	12	13	21.71	21.83	21.51	23	1
5	QPSK	25	0	21.53	21.72	21.71		
5	16QAM	1	0	21.96	22.06	22.06		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	23	1
5	16QAM	12	0	20.58	20.81	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.76	20.72		
5	16QAM	25	0	20.57	20.77	20.81	22	2
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.92	20.84	20.77		
5	64QAM	1	24	20.86	20.79	20.79		
5	64QAM	12	0	19.55	19.69	19.70	21	3
5	64QAM	12	7	19.77	19.81	19.78		
5	64QAM	12	13	19.78	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.73		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	22.69	22.52	22.82		
3	QPSK	1	14	22.85	22.87	22.85	24	0
3	QPSK	8	0	21.41	21.83	21.84		
3	QPSK	8	4	21.68	21.72	21.68	23	1
3	QPSK	8	7	21.81	21.56	21.81		
3	QPSK	15	0	21.64	21.69	21.62		
3	16QAM	1	0	22.01	22.11	21.96		
3	16QAM	1	8	22.19	22.31	21.98	23	1
3	16QAM	1	14	21.89	22.23	21.98		
3	16QAM	8	0	20.55	20.64	20.82		
3	16QAM	8	4	20.74	20.84	20.69		
3	16QAM	8	7	20.83	20.71	20.85	22	2
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.85	21.05		
3	64QAM	1	8	21.00	20.90	20.88		
3	64QAM	1	14	20.85	20.82	20.81	22	2
3	64QAM	8	0	19.84	19.70	19.71		
3	64QAM	8	7	19.87	19.77	19.80		
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76	21	3
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	699.7	707.5	713.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	22.70	22.57	22.82		
1.4	QPSK	1	3	22.73	22.59	22.80	24	0
1.4	QPSK	1	5	22.70	22.68	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71		
1.4	QPSK	3	1	22.82	22.82	22.72		
1.4	QPSK	3	3	22.76	22.80	22.68	23	1
1.4	QPSK	6	0	21.70	21.81	21.64		
1.4	16QAM	1	22.03	22.05	21.91	21.91		
1.4	16QAM	1	3	22.28	22.38	21.96		
1.4	16QAM	1	5	22.02	22.29	22.04	23	1
1.4	16QAM	3	1	21.98	22.03	22.03		
1.4	16QAM	3	1	22.03	22.11	21.89		
1.4	16QAM	3	1	21.99	22.13	22.03		
1.4	64QAM	6	0	20.61	20.69	20.65	22	2
1.4	64QAM	1	0	20.90	20.90	20.87		
1.4	64QAM	1	3	20.85	20.79	20.86		
1.4	64QAM	1	5	20.81	20.84	20.77		
1.4	64QAM	3	0	20.83	20.84	21.00	22	2
1.4	64QAM	3	1	20.86	20.89	20.86		
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	3	3	19.68	19.69	19.77		



Band 13_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				23200			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				762					
10	QPSK	1	0		23.01		24	0	
10	QPSK	1	25		23.05				
10	QPSK	1	49		22.98				
10	QPSK	25	0		21.80		23	1	
10	QPSK	25	12		21.88				
10	QPSK	25	25		21.89				
10	QPSK	50	0		21.90		23	1	
10	16QAM	1	0		22.25				
10	16QAM	1	25		22.37				
10	16QAM	1	49		22.43		22	2	
10	16QAM	25	0		20.89				
10	16QAM	25	12		21.15				
10	16QAM	25	25		20.96		22	2	
10	16QAM	50	0		20.99				
10	64QAM	1	0		21.15				
10	64QAM	1	25		21.08		22	2	
10	64QAM	1	49		21.32				
10	64QAM	25	0		19.90				
10	64QAM	25	12		20.08		21	3	
10	64QAM	25	25		19.84				
10	64QAM	50	0		19.85				
Channel				23205	23200	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	762	784.5			
5	QPSK	1	0	22.99	22.95	22.96	24	0	
5	QPSK	1	12	22.86	22.92	22.93			
5	QPSK	1	24	22.97	22.83	22.96			
5	QPSK	12	0	21.79	21.72	21.78	23	1	
5	QPSK	12	7	21.96	21.87	21.88			
5	QPSK	12	13	21.84	21.76	21.89			
5	QPSK	25	0	21.88	21.77	21.84	23	1	
5	16QAM	1	0	22.21	22.20	22.12			
5	16QAM	1	12	22.37	22.29	22.27			
5	16QAM	1	24	22.32	22.28	22.37	22	2	
5	16QAM	12	0	20.72	20.84	20.73			
5	16QAM	12	7	21.01	21.11	21.10			
5	16QAM	12	13	20.88	20.83	20.88	22	2	
5	16QAM	25	0	20.89	20.86	20.85			
5	64QAM	1	0	21.00	21.10	21.07			
5	64QAM	1	12	21.06	21.04	21.06	22	2	
5	64QAM	1	24	21.22	21.18	21.24			
5	64QAM	12	0	19.90	19.82	19.89			
5	64QAM	12	7	20.02	19.97	20.02	21	3	
5	64QAM	12	13	19.81	19.85	19.84			
5	64QAM	25	0	19.80	19.80	19.75			

Band 13_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				23200			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				762					
10	QPSK	1	0		22.83		24	0	
10	QPSK	1	25		22.88				
10	QPSK	1	49		22.85				
10	QPSK	25	0		21.67		23	1	
10	QPSK	25	12		21.67				
10	QPSK	25	25		21.74				
10	QPSK	50	0		21.76		23	1	
10	16QAM	1	0		21.88				
10	16QAM	1	25		22.01				
10	16QAM	1	49		21.95		22	2	
10	16QAM	25	0		20.75				
10	16QAM	25	12		20.79				
10	16QAM	25	25		20.68		22	2	
10	16QAM	50	0		20.78				
10	64QAM	1	0		21.06				
10	64QAM	1	25		21.16		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.85				
10	64QAM	25	12		19.88		21	3	
10	64QAM	25	25		19.73				
10	64QAM	50	0		19.76				
Channel				23205	23200	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	762	784.5			
5	QPSK	1	0	22.82	22.73	22.83	24	0	
5	QPSK	1	12	22.81	22.85	22.74			
5	QPSK	1	24	22.72	22.80	22.79			
5	QPSK	12	0	21.53	21.61	21.60	23	1	
5	QPSK	12	7	21.85	21.87	21.85			
5	QPSK	12	13	21.65	21.73	21.67			
5	QPSK	25	0	21.75	21.65	21.62	23	1	
5	16QAM	1	0	21.93	21.95	21.89			
5	16QAM	1	12	21.94	21.87	21.91			
5	16QAM	1	24	21.91	21.89	21.89	22	2	
5	16QAM	12	0	20.70	20.66	20.65			
5	16QAM	12	7	20.64	20.66	20.76			
5	16QAM	12	13	20.57	20.67	20.58	22	2	
5	16QAM	25	0	20.77	20.75	20.75			
5	64QAM	1	0	21.04	21.02	21.05			
5	64QAM	1	12	21.16	21.06	21.16	22	2	
5	64QAM	1	24	20.85	20.81	20.82			
5	64QAM	12	0	19.70	19.71	19.75			
5	64QAM	12	7	19.85	19.74	19.78	21	3	
5	64QAM	12	13	19.72	19.69	19.64			
5	64QAM	25	0	19.67	19.66	19.75			



Band 17_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				23760	23760	23800	24	0				
Frequency (MHz)				709	710	711						
10	QPSK	1	0	22.73	22.85	22.86				23	1	
10	QPSK	1	25	22.93	22.95	22.94						
10	QPSK	1	49	22.86	22.86	22.93						
10	QPSK	25	0	21.80	21.77	21.72						
10	QPSK	25	12	21.83	21.90	21.92	23	1				
10	QPSK	25	25	21.81	21.84	21.75						
10	QPSK	50	0	21.81	21.88	21.78						
10	16QAM	1	0	22.08	22.04	22.36						
10	16QAM	1	25	22.49	22.05	22.05	23	1				
10	16QAM	1	49	22.35	22.05	22.23						
10	16QAM	25	0	20.86	20.82	20.77						
10	16QAM	25	12	20.88	20.94	20.87						
10	16QAM	25	25	21.00	20.84	20.84	22	2				
10	16QAM	50	0	20.81	20.83	20.83						
10	64QAM	1	0	21.19	21.16	21.14						
10	64QAM	1	25	21.39	21.27	21.21						
10	64QAM	1	49	21.12	21.16	21.09	22	2				
10	64QAM	25	0	19.94	19.88	19.89						
10	64QAM	25	12	20.00	19.92	19.98						
10	64QAM	25	25	19.95	19.88	19.78						
10	64QAM	50	0	19.86	19.88	19.83	21	3				
Channel				23760	23760	23800						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	22.58	22.72	22.86				24	0	
5	QPSK	1	12	22.87	22.86	22.88						
5	QPSK	1	24	22.74	22.78	22.85						
5	QPSK	12	0	21.74	21.7	21.67						
5	QPSK	12	7	21.75	21.78	21.8	23	1				
5	QPSK	12	13	21.69	21.81	21.73						
5	QPSK	25	0	21.76	21.82	21.65						
5	16QAM	1	0	22.04	22.01	22.28						
5	16QAM	1	12	22.48	22.05	22.1	23	1				
5	16QAM	1	24	22.22	22.03	22.14						
5	16QAM	12	0	20.75	20.69	20.74						
5	16QAM	12	7	20.79	20.93	20.73						
5	16QAM	12	13	20.91	20.72	20.82	22	2				
5	16QAM	25	0	20.76	20.69	20.69						
5	64QAM	1	0	21.11	21.09	21.09						
5	64QAM	1	12	21.32	21.18	21.07						
5	64QAM	1	24	21.06	21.12	21.06	22	2				
5	64QAM	12	0	19.87	19.73	19.76						
5	64QAM	12	7	19.98	19.86	19.84						
5	64QAM	12	13	19.77	19.77	19.71						
5	64QAM	25	0	19.71	19.75	19.79	21	3				

Band 17_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				23760	23760	23800	24	0				
Frequency (MHz)				709	710	711						
10	QPSK	1	0	22.69	22.72	22.62				23	1	
10	QPSK	1	25	22.81	22.88	22.82						
10	QPSK	1	49	22.72	22.70	22.75						
10	QPSK	25	0	21.64	21.73	21.59						
10	QPSK	25	12	21.73	21.78	21.77	23	1				
10	QPSK	25	25	21.69	21.74	21.64						
10	QPSK	50	0	21.70	21.72	21.66						
10	16QAM	1	0	21.80	22.07	22.15						
10	16QAM	1	25	21.76	22.04	21.89	23	1				
10	16QAM	1	49	22.10	22.09	21.91						
10	16QAM	25	0	20.78	20.73	20.73						
10	16QAM	25	12	20.79	20.79	20.76						
10	16QAM	25	25	20.79	20.72	20.71	22	2				
10	16QAM	50	0	20.81	20.79	20.71						
10	64QAM	1	0	20.92	20.73	21.10						
10	64QAM	1	25	20.91	21.18	20.96						
10	64QAM	1	49	20.79	20.93	21.08	22	2				
10	64QAM	25	0	19.76	19.80	19.76						
10	64QAM	25	12	19.86	19.90	19.89						
10	64QAM	25	25	19.87	19.83	19.67						
10	64QAM	50	0	19.89	19.79	19.69	21	3				
Channel				23760	23760	23840						
Frequency (MHz)				706.5	710	713.5						
5	QPSK	1	0	22.64	22.62	22.60				24 <td colspan="2" rowspan="4">0</td>	0	
5	QPSK	1	12	22.71	22.80	22.79						
5	QPSK	1	24	22.57	22.81	22.68						
5	QPSK	12	0	21.60	21.71	21.45						
5	QPSK	12	7	21.59	21.72	21.64	23	1				
5	QPSK	12	13	21.62	21.69	21.62						
5	QPSK	25	0	21.66	21.69	21.53						
5	16QAM	1	0	21.69	22.03	22.13						
5	16QAM	1	12	21.64	21.94	21.81	23	1				
5	16QAM	1	24	22.03	22.07	21.88						
5	16QAM	12	0	20.66	20.70	20.68						
5	16QAM	12	7	20.75	20.74	20.72						
5	16QAM	12	13	20.65	20.69	20.68	22	2				
5	16QAM	25	0	20.73	20.77	20.65						
5	64QAM	1	0	20.80	20.81	21.09						
5	64QAM	1	12	20.84	21.08	20.92						
5	64QAM	1	24	20.84	20.81	21.05	22	2				
5	64QAM	12	0	19.72	19.76	19.65						
5	64QAM	12	7	19.93	19.78	19.78						
5	64QAM	12	13	19.73	19.68	19.60						
5	64QAM	25	0	19.79	19.66	19.61	21	3				

Band 18_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 Frequency (MHz)				23925						
				822.5						
15	QPSK	1	0		21.48		23	0		
15	QPSK	1	37		21.13					
15	QPSK	1	74		21.49					
15	QPSK	36	0		21.59		23	0		
15	QPSK	36	20		21.10					
15	QPSK	36	39		21.65					
15	QPSK	75	0		21.56		23	0		
15	16QAM	1	0		21.10					
15	16QAM	1	37		21.66					
15	16QAM	1	74		21.56		22.5	0.5		
15	16QAM	36	0		21.16					
15	16QAM	36	20		21.15					
15	16QAM	36	39		21.21		22.5	0.5		
15	16QAM	75	0		21.22					
15	64QAM	1	0		21.15					
15	64QAM	1	37		21.19		21.5	1.5		
15	64QAM	1	74		20.98					
15	64QAM	36	0		20.33					
15	64QAM	36	20		20.21		Tune-up limit (dBm)	MPR (dB)		
15	64QAM	36	39		20.24					
15	64QAM	75	0		20.12					
Channel Frequency (MHz)				23900						
				820						
				822.5						
10	QPSK	1	0	21.39	21.43	21.38	23	0		
10	QPSK	1	25	21.61	21.67	21.61				
10	QPSK	1	49	21.38	21.37	21.42				
10	QPSK	25	0	21.56	21.55	21.53	23	0		
10	QPSK	25	12	21.66	21.61	21.68				
10	QPSK	25	25	21.62	21.63	21.55				
10	QPSK	50	0	21.59	21.61	21.56	23	0		
10	16QAM	1	0	21.67	21.64	21.61				
10	16QAM	1	25	21.57	21.61	21.55				
10	16QAM	1	49	21.53	21.45	21.46	22.5	0.5		
10	16QAM	25	0	21.05	21.12	21.04				
10	16QAM	25	12	21.13	21.08	21.13				
10	16QAM	25	25	21.10	21.16	21.15	22.5	0.5		
10	16QAM	50	0	21.15	21.17	21.10				
10	64QAM	1	0	21.05	21.08	21.10				
10	64QAM	1	25	21.15	21.14	21.07	21.5	1.5		
10	64QAM	1	49	20.96	20.94	20.85				
10	64QAM	25	0	20.28	20.27	20.22				
10	64QAM	25	12	20.14	20.16	20.13	Tune-up limit (dBm)	MPR (dB)		
10	64QAM	25	25	20.15	20.18	20.18				
10	64QAM	50	0	20.02	20.04	20.08				
Channel Frequency (MHz)				23975						
				817.5						
				822.5						
5	QPSK	1	0	21.42	21.40	21.46	23	0		
5	QPSK	1	12	21.65	21.69	21.68				
5	QPSK	1	24	21.43	21.43	21.43				
5	QPSK	12	0	21.48	21.48	21.53	23	0		
5	QPSK	12	7	21.59	21.65	21.66				
5	QPSK	12	13	21.60	21.60	21.58				
5	QPSK	25	0	21.56	21.62	21.54	23	0		
5	16QAM	1	0	21.65	21.68	21.67				
5	16QAM	1	12	21.56	21.60	21.62				
5	16QAM	1	24	21.45	21.52	21.50	22.5	0.5		
5	16QAM	12	0	21.12	21.11	21.06				
5	16QAM	12	7	21.13	21.07	21.12				
5	16QAM	12	13	21.18	21.19	21.19	22.5	0.5		
5	16QAM	25	0	21.13	21.20	21.18				
5	64QAM	1	0	21.10	21.13	21.10				
5	64QAM	1	12	21.14	21.08	21.14	21.5	1.5		
5	64QAM	1	24	20.93	20.96	20.93				
5	64QAM	12	0	20.26	20.28	20.31				
5	64QAM	12	7	20.19	20.18	20.10	Tune-up limit (dBm)	MPR (dB)		
5	64QAM	12	13	20.20	20.20	20.16				
5	64QAM	25	0	20.10	20.04	20.03				

Band 18_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 Frequency (MHz)				23925						
				822.5						
15	QPSK	1	0		22.76		24	0		
15	QPSK	1	37		22.53					
15	QPSK	1	74		22.89					
15	QPSK	36	0		21.88		23	1		
15	QPSK	36	20		21.96					
15	QPSK	36	39		21.88					
15	QPSK	75	0		21.91		23	1		
15	16QAM	1	0		22.12					
15	16QAM	1	37		22.50					
15	16QAM	36	74		22.06		22	2		
15	16QAM	36	0		20.94					
15	16QAM	36	20		20.99					
15	16QAM	36	39		21.01		22	2		
15	16QAM	75	0		20.95					
15	64QAM	1	0		20.95					
15	64QAM	1	37		21.33		21	3		
15	64QAM	1	74		21.21					
15	64QAM	36	0		19.93					
15	64QAM	36	20		19.97		Tune-up limit (dBm)	MPR (dB)		
15	64QAM	36	39		19.99					
15	64QAM	75	0		19.93					
Channel Frequency (MHz)				23900						
				820 <th></th> <th></th> <th></th>						
				822.5 <th></th> <th></th> <th></th>						
10	QPSK	1	0	22.61	22.64	22.74	24	0		
10	QPSK	1	25	22.83	22.87	22.85				
10	QPSK	1	49	22.75	22.84	22.81				
10	QPSK	25	0	21.84	21.81	21.86	23	1		
10	QPSK	25	12	21.87	21.86	21.83				
10	QPSK	25	25	21.78	21.73	21.75				
10	QPSK	50	0	21.77	21.82	21.88	23	1		
10	16QAM	1	0	22.09	22.05	22.12				
10	16QAM	1	25	22.44	22.40	22.48				
10	16QAM	1	49	22.03	21.99	22.04	22	2		
10	16QAM	25	0	20.92	20.89	20.99				
10	16QAM	25	12	20.94	20.87	20.99				
10	16QAM	25	25	21.01	20.95	21.01	22	2		
10	16QAM	50	0	20.81	20.94	20.81				
10	64QAM	1	0	21.05	21.00	21.05				
10	64QAM	1	25	21.27	21.32	21.29	22	2		
10	64QAM	1	49	21.17	21.18	21.11				
10	64QAM	25	0	19.88	19.86	19.80				
10	64QAM	25	12	19.90	19.88	19.92	21	3		
10	64QAM	25	25	19.84	19.88	19.84				
10	64QAM	50	0	19.87	19.86	19.92				
Channel Frequency (MHz)				23975						
				817.5						
				822.5						
5	QPSK	1	0	22.62	22.65	22.65	24	0		
5	QPSK	1	12	22.86	22.84	22.85				
5	QPSK	1	24	22.78	22.74	22.83				
5	QPSK	12	0	21.87	21.87	21.81	23	1		
5	QPSK	12	7	21.93	21.81	21.84				
5	QPSK	12	13	21.74	21.85	21.75				
5	QPSK	25	0	21.82	21.81	21.90	23	1		
5	16QAM	1	0	21.99	22.04	22.00				
5	16QAM	1	12	22.35	22.46	22.36				
5	16QAM	1	24	22.03	22.02	21.96	22	2		
5	16QAM	12	0	20.81	20.93	20.94				
5	16QAM	12	7	20.92	20.93	20.84				
5	16QAM	12	13	20.95	20.95	20.95	22	2		
5	16QAM	25	0	20.92	20.95	20.92				
5	64QAM	1	0	20.85	20.92	20.85				
5	64QAM	1	12	21.23	21.21	21.24	22	2		
5	64QAM	1	24	21.16	21.13	21.08				
5	64QAM	12	0	19.85	19.90	19.85				
5	64QAM	12	7	19.82	19.87	19.93	21	3		
5	64QAM	12	13	19.91	19.87	19.88				
5	64QAM	25	0	19.83	19.87	19.87				

Band 19_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 Frequency (MHz)				24025 837.5						
15	QPSK	1	0		21.06		22.5	0		
15	QPSK	1	37		21.22					
15	QPSK	1	74		21.12					
15	QPSK	36	0		21.15		22.5	0		
15	QPSK	36	20		21.21					
15	QPSK	36	39		21.07					
15	QPSK	75	0		21.18		22.5	0		
15	16QAM	1	0		21.14					
15	16QAM	1	37		21.13					
15	16QAM	1	74		21.17		22.5	0		
15	16QAM	36	0		21.10					
15	16QAM	36	20		21.16					
15	16QAM	36	39		21.15		22.5	0		
15	16QAM	75	0		21.19					
15	64QAM	1	0		21.14					
15	64QAM	1	37		21.08		22.5	0		
15	64QAM	1	74		21.17					
15	64QAM	36	0		20.24					
15	64QAM	36	20		20.39		21.5	1		
15	64QAM	36	39		20.12					
15	64QAM	75	0		20.20					
Channel Frequency (MHz)				24050 835	24075 840	24100 840	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.98	21.04	21.02	22.5	0		
10	QPSK	1	25	21.16	21.10	21.15				
10	QPSK	1	49	21.08	21.05	21.06				
10	QPSK	25	0	21.10	21.07	21.11	22.5	0		
10	QPSK	25	12	21.12	21.14	21.11				
10	QPSK	25	25	20.96	20.98	21.03				
10	QPSK	50	0	21.11	21.12	21.14	22.5	0		
10	16QAM	1	0	21.08	21.05	21.04				
10	16QAM	1	25	21.11	21.07	21.03				
10	16QAM	1	49	21.15	21.13	21.13	22.5	0		
10	16QAM	25	0	21.02	21.03	20.98				
10	16QAM	25	12	21.05	21.05	21.09				
10	16QAM	25	25	21.05	21.06	21.05	22.5	0		
10	16QAM	50	0	21.14	21.17	21.14				
10	64QAM	1	0	21.04	21.10	21.02				
10	64QAM	1	25	21.06	20.97	21.04	22.5	0		
10	64QAM	1	49	21.06	21.13	21.05				
10	64QAM	25	0	20.21	20.16	20.20				
10	64QAM	25	12	20.25	20.24	20.24	21.5	1		
10	64QAM	25	25	20.04	20.08	20.09				
10	64QAM	50	0	20.12	20.11	20.17				
Channel Frequency (MHz)				24025 837.5	24075 837.5	24125 842.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.99	20.96	20.99	22.5	0		
5	QPSK	1	12	21.17	21.16	21.12				
5	QPSK	1	24	21.01	21.07	21.02				
5	QPSK	12	0	21.06	21.10	21.09	22.5	0		
5	QPSK	12	7	21.19	21.17	21.11				
5	QPSK	12	13	21.01	20.98	21.03				
5	QPSK	25	0	21.13	21.14	21.07	22.5	0		
5	16QAM	1	0	21.03	21.12	21.09				
5	16QAM	1	12	21.11	21.05	21.05				
5	16QAM	1	24	21.15	21.15	21.13	22.5	0		
5	16QAM	12	0	20.99	20.96	21.06				
5	16QAM	12	7	21.14	21.10	21.06				
5	16QAM	12	13	21.13	21.07	21.09	22.5	0		
5	16QAM	25	0	21.12	21.07	21.16				
5	64QAM	1	0	21.06	21.09	21.08				
5	64QAM	1	12	21.03	20.96	21.05	22.5	0		
5	64QAM	1	24	21.15	21.08	21.12				
5	64QAM	12	0	20.19	20.13	20.15				
5	64QAM	12	7	20.27	20.25	20.28	21.5	1		
5	64QAM	12	13	20.06	20.09	20.10				
5	64QAM	25	0	20.15	20.16	20.17				

Band 19_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 Frequency (MHz)				24025 837.5						
15	QPSK	1	0		22.75		24	0		
15	QPSK	1	37		22.32					
15	QPSK	1	74		22.73					
15	QPSK	36	0		21.90		23	1		
15	QPSK	36	20		21.97					
15	QPSK	36	39		21.95					
15	QPSK	75	0		21.92		23	1		
15	16QAM	1	0		22.03					
15	16QAM	1	37		22.10					
15	16QAM	36	74		21.80		22	2		
15	16QAM	36	0		20.91					
15	16QAM	36	20		21.03					
15	16QAM	36	39		20.87		22	2		
15	16QAM	75	0		20.99					
15	64QAM	1	0		20.96					
15	64QAM	1	37		20.89		22	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.05					
15	64QAM	36	20		20.00		21	3		
15	64QAM	36	39		19.89					
15	64QAM	75	0		20.00					
Channel Frequency (MHz)				24050 835	24075 840	24100 840	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.74	22.74	22.72	24	0		
10	QPSK	1	25	22.75	22.81	22.81				
10	QPSK	1	49	22.67	22.61	22.73				
10	QPSK	25	0	21.86	21.89	21.75	23	1		
10	QPSK	25	12	21.95	21.86	21.92				
10	QPSK	25	25	21.81	21.91	21.95				
10	QPSK	50	0	21.81	21.86	21.84	23	1		
10	16QAM	1	0	21.95	22.00	21.98				
10	16QAM	1	25	21.99	22.03	22.09				
10	16QAM	1	49	21.65	21.69	21.70	22	2		
10	16QAM	25	0	20.84	20.79	20.81				
10	16QAM	25	12	20.89	20.98	21.02				
10	16QAM	25	25	20.83	20.78	20.84	22	2		
10	16QAM	50	0	20.76	20.86	20.85				
10	64QAM	1	0	20.84	20.88	20.94				
10	64QAM	1	25	20.89	20.76	20.78	21	3		
10	64QAM	1	49	20.65	21.01	20.85				
10	64QAM	25	0	20.02	20.04	19.97				
10	64QAM	25	12	19.92	19.99	19.90	21	3		
10	64QAM	25	25	19.84	19.77	19.85				
10	64QAM	50	0	19.85	20.00	19.94				
Channel Frequency (MHz)				24025 837.5	24075 837.5	24125 842.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.63	22.68	22.68	24	0		
5	QPSK	1	12	22.87	22.85	22.84				
5	QPSK	1	24	22.65	22.63	22.58				
5	QPSK	12	0	21.81	21.87	21.89	23	1		
5	QPSK	12	7	21.93	21.94	21.90				
5	QPSK	12	13	21.80	21.91	21.89				
5	QPSK	25	0	21.82	21.85	21.87	23	1		
5	16QAM	1	0	22.02	22.03	22.02				
5	16QAM	1	12	21.98	22.06	21.95				
5	16QAM	1	24	21.63	21.59	21.57	22	2		
5	16QAM	12	0	20.87	20.76	20.85				
5	16QAM	12	7	20.95	21.00	20.94				
5	16QAM	12	13	20.72	20.82	20.73	22	2		
5	16QAM	25	0	20.78	20.81	20.78				
5	64QAM	1	0	20.82	20.84	20.84				
5	64QAM	1	12	20.84	20.76	20.86	21	3		
5	64QAM	1	24	20.90	20.95	20.97				
5	64QAM	12	0	20.01	19.94	19.94				
5	64QAM	12	7	19.91	19.98	20.00	21	3		
5	64QAM	12	13	19.81	19.81	19.75				
5	64QAM	25	0	19.87	19.85	19.97				

Band 26_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 26065										
Frequency (MHz)										
15	QPSK	1	0	21.80	21.83	21.97	23	0		
15	QPSK	1	37	22.12	22.13	22.16				
15	QPSK	1	74	21.82	21.88	21.93				
15	QPSK	36	0	21.89	21.97	21.95				
15	QPSK	36	20	22.10	22.10	22.15	23	0		
15	QPSK	36	39	21.91	21.92	21.82				
15	QPSK	75	0	22.05	22.08	22.04				
15	16QAM	1	0	22.11	22.12	22.08				
15	16QAM	1	37	22.11	22.08	22.09	23	0		
15	16QAM	1	74	22.06	22.09	22.08				
15	16QAM	36	0	21.94	21.93	21.85				
15	16QAM	36	20	21.82	21.84	21.82				
15	16QAM	36	39	21.44	21.81	21.41	22.5	0.5		
15	16QAM	75	0	21.35	21.51	21.28				
15	64QAM	1	0	21.88	21.89	21.79				
15	64QAM	1	37	21.95	21.88	21.79				
15	64QAM	1	74	21.67	21.84	21.79	22.5	0.5		
15	64QAM	36	0	20.38	20.52	20.48				
15	64QAM	36	20	20.43	20.59	20.53				
15	64QAM	36	39	20.43	20.52	20.38				
15	64QAM	75	0	20.36	20.55	20.33	21.5	1.5		
Channel 26075										
Frequency (MHz)										
10	QPSK	1	0	21.69	21.82	21.87	23	0		
10	QPSK	1	25	22.06	22.04	22.07				
10	QPSK	1	49	21.8	21.77	21.91				
10	QPSK	25	0	21.81	21.82	21.93				
10	QPSK	25	12	22.01	22.04	21.98	23	0		
10	QPSK	25	25	21.87	21.85	21.73				
10	QPSK	50	0	21.99	22.07	21.99				
10	16QAM	1	0	22	22.01	22.00				
10	16QAM	1	25	22.06	22	22.06	23	0		
10	16QAM	1	49	22.02	22.06	22.02				
10	16QAM	25	0	21.22	21.5	21.38				
10	16QAM	25	12	21.43	21.58	21.5				
10	16QAM	25	25	21.28	21.58	21.39	22.5	0.5		
10	16QAM	50	0	21.29	21.4	21.23				
10	64QAM	1	0	21.81	21.8	21.77				
10	64QAM	1	25	21.93	21.82	21.69				
10	64QAM	1	49	21.56	21.73	21.68	22.5	0.5		
10	64QAM	25	0	20.35	20.41	20.4				
10	64QAM	25	12	20.41	20.45	20.47				
10	64QAM	25	25	20.31	20.4	20.31				
10	64QAM	50	0	20.26	20.51	20.28	21.5	1.5		
Channel 26085										
Frequency (MHz)										
5	QPSK	1	0	21.73	21.87	21.87	23	0		
5	QPSK	1	12	22.05	22.06	22.04				
5	QPSK	1	24	21.75	21.76	21.82				
5	QPSK	12	0	21.84	21.87	21.83				
5	QPSK	12	7	21.99	22.02	22.02	23	0		
5	QPSK	12	13	21.88	21.8	21.8				
5	QPSK	25	0	21.96	21.97	21.95				
5	16QAM	1	0	22.03	22.08	22.02				
5	16QAM	1	12	22	21.99	22.02	23	0		
5	16QAM	1	24	22.03	21.97	21.99				
5	16QAM	12	0	21.22	21.46	21.37				
5	16QAM	12	7	21.6	21.56	21.56				
5	16QAM	12	13	21.4	21.57	21.33	22.5	0.5		
5	16QAM	25	0	21.24	21.46	21.17				
5	64QAM	1	0	21.76	21.81	21.67				
5	64QAM	1	12	21.92	21.82	21.69				
5	64QAM	1	24	21.78	21.76	21.67	22.5	0.5		
5	64QAM	12	0	20.33	20.45	20.44				
5	64QAM	12	7	20.34	20.56	20.44				
5	64QAM	12	13	20.42	20.37	20.37				
5	64QAM	25	0	20.26	20.49	20.27	21.5	1.5		
Channel 26095										
Frequency (MHz)										
3	QPSK	1	0	21.68	21.9	21.93	23	0		
3	QPSK	1	8	22.03	22.05	22.01				
3	QPSK	1	14	21.77	21.77	21.89				
3	QPSK	8	0	21.8	21.55	21.89				
3	QPSK	8	4	22	22.01	21.94	23	0		
3	QPSK	8	7	21.84	21.84	21.78				
3	QPSK	15	0	22.02	21.58	22.01				
3	16QAM	1	0	22.08	22.04	22.05				
3	16QAM	1	8	22.06	22.06	21.97	23	0		
3	16QAM	1	14	22.04	22.03	22.01				
3	16QAM	8	0	21.3	21.47	21.37				
3	16QAM	8	4	21.49	21.6	21.57				
3	16QAM	8	7	21.38	21.53	21.37	22.5	0.5		
3	16QAM	15	0	21.3	21.39	21.21				
3	64QAM	1	0	21.84	21.8	21.78				
3	64QAM	1	8	21.88	21.8	21.77				
3	64QAM	1	14	21.57	21.75	21.59	22.5	0.5		
3	64QAM	8	0	20.29	20.5	20.44				
3	64QAM	8	4	20.37	20.57	20.44				
3	64QAM	8	7	20.35	20.48	20.35				
3	64QAM	15	0	20.28	20.51	20.22	21.5	1.5		
Channel 26097										
Frequency (MHz)										
1.4	QPSK	1	0	21.79	21.87	21.91	23	0		
1.4	QPSK	1	3	22.06	22.06	21.98				
1.4	QPSK	1	5	21.77	21.82	21.89				
1.4	QPSK	3	0	21.82	21.88	21.88				
1.4	QPSK	3	1	21.99	22.02	21.96	23	0		
1.4	QPSK	3	3	21.81	21.89	21.73				
1.4	QPSK	6	0	21.84	22.03	21.84				
1.4	16QAM	1	0	22.07	22.01	22.05				
1.4	16QAM	1	3	22.07	21.86	22.05	23	0		
1.4	16QAM	1	5	22.00	21.99	22.00				
1.4	16QAM	3	0	22.08	21.97	22.05				
1.4	16QAM	3	1	22.02	21.97	22.10				
1.4	16QAM	3	3	22.00	22.01	22.01	22.5	0.5		
1.4	16QAM	6	0	21.23	21.44	21.20				
1.4	64QAM	1	0	21.85	21.79	21.76				
1.4	64QAM	1	3	21.82	21.77	21.69				
1.4	64QAM	1	5	21.56	21.81	21.61	22.5	0.5		
1.4	64QAM	3	0	21.84	21.80	21.74				
1.4	64QAM	3	1	21.89	21.75	21.71				
1.4	64QAM	3	3	21.60	21.78	21.60				
1.4	64QAM	6	0	20.33	20.45	20.26	21.5	1.5		

Band 66_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										
Frequency (MHz)										
20	QPSK	1	0	1720	1745	1770	16	0		
20	QPSK	1	49	15.11	15.18	14.84				
20	QPSK	1	99	14.78	14.84	14.84				
20	QPSK	50	0	15.19	15.20	15.18				
20	QPSK	50	24	15.21	15.24	15.22				
20	QPSK	50	50	15.15	15.23	15.18	16	0		
20	QPSK	100	0	15.04	15.19	15.12				
20	16QAM	1	0	15.16	15.14	15.16				
20	16QAM	1	49	15.19	15.17	15.20				
20	16QAM	1	99	15.23	15.23	15.24				
20	16QAM	50	0	15.17	15.23	15.19	16	0		
20	16QAM	50	24	15.18	15.21	15.18				
20	16QAM	50	50	15.22	15.09	15.11				
20	16QAM	100	0	15.16	15.14	15.13				
20	64QAM	1	0	15.16	15.18	15.19				
20	64QAM	1	49	15.19	15.23	15.15	16	0		
20	64QAM	1	99	15.21	15.21	15.21				
20	64QAM	50	0	15.19	15.23	15.24				
20	64QAM	50	24	15.24	15.16	15.23				
20	64QAM	50	50	15.17	15.16	15.23				
20	64QAM	100	0	15.16	15.20	15.23	16	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.65	14.92	14.62	16	0		
15	QPSK	1	37	15.00	15.14	15.10				
15	QPSK	1	74	14.70	14.82	14.80				
15	QPSK	36	0	15.08	15.11	15.13				
15	QPSK	36	20	15.16	15.17	15.18				
15	QPSK	36	39	15.07	15.11	15.10	16	0		
15	QPSK	75	0	15.00	15.09	15.06				
15	16QAM	1	0	15.09	15.09	15.05				
15	16QAM	1	37	15.15	15.06	15.10				
15	16QAM	1	74	15.13	15.18	15.18				
15	16QAM	36	0	15.11	15.15	15.14	16	0		
15	16QAM	36	20	15.16	15.19	15.04				
15	16QAM	36	39	15.14	15.00	14.99				
15	16QAM	75	0	15.14	15.07	15.01				
15	64QAM	1	0	15.08	15.07	15.17				
15	64QAM	1	37	15.12	15.16	15.12	16	0		
15	64QAM	1	74	15.11	15.11	15.13				
15	64QAM	36	0	15.13	15.14	15.21				
15	64QAM	36	20	15.22	15.09	15.18				
15	64QAM	36	39	15.07	15.04	15.18				
15	64QAM	75	0	15.10	15.15	15.11	16	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.04	15.12	14.92	16	0		
10	QPSK	1	25	15.05	15.18	15.03				
10	QPSK	1	49	14.68	14.73	14.78				
10	QPSK	25	0	15.18	15.13	15.10				
10	QPSK	25	12	15.14	15.22	15.12				
10	QPSK	25	25	15.11	15.11	15.16	16	0		
10	QPSK	50	0	14.99	15.17	15.00				
10	16QAM	1	0	15.14	15.05	15.04				
10	16QAM	1	25	15.10	15.15	15.15				
10	16QAM	1	49	15.19	15.18	15.12				
10	16QAM	25	0	15.09	15.15	15.17	16	0		
10	16QAM	25	12	15.08	15.16	15.04				
10	16QAM	25	25	15.10	15.03	15.09				
10	16QAM	50	0	15.06	15.04	15.11				
10	64QAM	1	0	15.11	15.14	15.13				
10	64QAM	1	25	15.09	15.15	15.04	16	0		
10	64QAM	1	49	15.10	15.16	15.11				
10	64QAM	25	0	15.12	15.20	15.19				
10	64QAM	25	12	15.22	15.07	15.18				
10	64QAM	25	25	15.07	15.06	15.19				
10	64QAM	50	0	15.11	15.15	15.12	16	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.09	15.09	14.89	16	0		
5	QPSK	1	12	15.05	15.19	15.12				
5	QPSK	1	24	14.69	14.81	14.81				
5	QPSK	12	0	15.11	15.12	15.08				
5	QPSK	12	7	15.14	15.15	15.12				
5	QPSK	12	13	15.10	15.19	15.12	16	0		
5	QPSK	25	0	15.00	15.08	15.02				
5	16QAM	1	0	15.09	15.06	15.07				
5	16QAM	1	12	15.07	15.09	15.09				
5	16QAM	1	24	15.14	15.15	15.15				
5	16QAM	12	0	15.10	15.21	15.14	16	0		
5	16QAM	12	7	15.06	15.16	15.09				
5	16QAM	12	13	15.16	15.03	15.09				
5	16QAM	25	0	15.07	15.06	15.02				
5	64QAM	1	0	15.14	15.12	15.17				
5	64QAM	1	12	15.13	15.15	15.03	16	0		
5	64QAM	1	24	15.13	15.19	15.14				
5	64QAM	12	0	15.15	15.16	15.13				
5	64QAM	12	7	15.18	15.09	15.13				
5	64QAM	12	13	15.06	15.12	15.16				
5	64QAM	25	0	15.06	15.13	15.12	16	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.00	15.15	14.87	16	0		
3	QPSK	1	8	15.09	15.23	15.06				
3	QPSK	1	14	14.76	14.76	14.77				
3	QPSK	8	0	15.07	15.17	15.10				
3	QPSK	8	4	15.15	15.17	15.17				
3	QPSK	8	7	15.12	15.21	15.14	16	0		
3	QPSK	15	0	14.96	15.09	15.03				
3	16QAM	1	0	15.09	15.11	15.06				
3	16QAM	1	8	15.11	15.07	15.14				
3	16QAM	1	14	15.21	15.14	15.19				
3	16QAM	8	0	15.05	15.14	15.14	16	0		
3	16QAM	8	4	15.07	15.10	15.04				
3	16QAM	8	7	15.16	14.98	15.07				
3	16QAM	15	0	15.12	15.11	15.11				
3	64QAM	1	0	15.12	15.16	15.13				
3	64QAM	1	8	15.14	15.14	15.06	16	0		
3	64QAM	1	14	15.09	15.10	15.17				
3	64QAM	8	0	15.08	15.13	15.13				
3	64QAM	8	4	15.12	15.11	15.18				
3	64QAM	8	7	15.15	15.11	15.11				
3	64QAM	15	0	15.09	15.10	15.16	16	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.03	15.15	14.81	16	0		
1.4	QPSK	1	3	15.07	15.18	15.12				
1.4	QPSK	1	5	14.88	14.74	14.80				
1.4	QPSK	1	0	15.17	15.16	15.16				
1.4	QPSK	3	1	15.15	15.21	15.15				
1.4	QPSK	3	3	15.03	15.19	15.06	16	0		
1.4	QPSK	3	0	14.94	15.14	15.00				
1.4	16QAM	1	0	15.14	15.07	15.09				
1.4	16QAM	1	3	15.08	15.08	15.17				
1.4	16QAM	1	5	15.19	15.13	15.22				
1.4	16QAM	3	0	15.07	15.20	15.15	16	0		
1.4	16QAM	3	1	15.06	15.10	15.14				
1.4	16QAM	3	1	15.19	15.00	15.02				
1.4	16QAM	6	0	15.12	15.12	15.08				
1.4	64QAM	1	0	15.08	15.15	15.16				
1.4	64QAM	1	3	15.10	15.21	15.05	16	0		
1.4	64QAM	1	5	15.16	15.18	15.11				
1.4	64QAM	3	0	15.17	15.17	15.22				
1.4	64QAM	3	1	15.22	15.09	15.19				
1.4	64QAM	3	3	15.14	15.11	15.19				
1.4	64QAM	6	0	15.13	15.08	15.13	16	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.05	15.15	14.81	16	0		
1.4	QPSK	1	3	15.07	15.18	15.12				
1.4	QPSK	1	5	14.88	14.74	14.80				
1.4	QPSK	1	0	15.17	15.16	15.16				
1.4	QPSK	3	1	15.15	15.21	15.15				
1.4	QPSK	3	3	15.03	15.19	15.06	16	0		
1.4	QPSK	3	0	14.94	15.14	15.00				
1.4	16QAM	1	0	15.14	15.07	15.09				
1.4	16QAM	1	3	15.08	15.08	15.17				
1.4	16QAM	1	5	15.19	15.13	15.22				
1.4	16QAM	3	0	15.07	15.20	15.15	16	0		
1.4	16QAM	3	1	15.06	15.10	15.14				
1.4	16QAM	3	1	15.19	15.00	15.02				
1.4	16QAM	6	0	15.12	15.12	15.08				
1.4	64QAM	1	0	15.08	15.15	15.16				
1.4	64QAM	1	3	15.10	15.21	15.05	16	0		
1.4	64QAM	1	5	15.16	15.18	15.11				
1.4	64QAM	3	0	15.17	15.17	15.22				
1.4	64QAM	3	1	15.22	15.09	15.19				
1.4	64QAM	3	3	15.14	15.11	15.19				
1.4	64QAM	6	0	15.13	15.08	15.13	16	0		

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 Frequency (MHz)										
2580										
20	QPSK	1	0	16.05	16.10	16.14	17	0		
20	QPSK	1	49	16.30	16.30	16.33				
20	QPSK	1	99	16.07	16.08	16.19				
20	QPSK	50	0	16.26	16.11	16.26	17	0		
20	QPSK	50	24	16.29	16.33	16.32				
20	QPSK	50	50	16.27	16.32	16.28				
20	QPSK	100	0	16.19	16.31	16.30	17	0		
20	16QAM	1	0	16.19	16.25	16.25				
20	16QAM	1	49	16.29	16.33	16.32				
20	16QAM	1	99	16.27	16.28	16.32	17	0		
20	16QAM	50	0	16.11	16.32	16.32				
20	16QAM	50	24	16.27	16.31	16.27				
20	16QAM	50	50	16.29	16.29	16.31	17	0		
20	16QAM	100	0	16.20	16.26	16.30				
20	64QAM	1	0	16.01	16.13	16.33				
20	64QAM	1	49	16.24	16.31	16.25	17	0		
20	64QAM	1	99	16.23	16.34	16.34				
20	64QAM	50	0	16.13	16.29	16.31				
20	64QAM	50	24	16.27	16.30	16.31	17	0		
20	64QAM	50	50	16.24	16.34	16.31				
20	64QAM	100	0	16.13	16.30	16.26				
Channel Frequency (MHz)										
37625										
38000										
38175										
2577.5										
2596										
2612.5										
15	QPSK	1	0	15.97	16.09	16.08	17	0		
15	QPSK	1	37	16.25	16.25	16.27				
15	QPSK	1	74	16.05	16.16	16.19				
15	QPSK	36	0	16.18	16.04	16.24	17	0		
15	QPSK	36	20	16.27	16.30	16.29				
15	QPSK	36	39	16.22	16.21	16.17				
15	QPSK	75	0	16.08	16.19	16.18	17	0		
15	16QAM	1	0	16.11	16.23	16.18				
15	16QAM	1	37	16.22	16.23	16.21				
15	16QAM	1	74	16.21	16.26	16.28	17	0		
15	16QAM	36	0	16.00	16.13	16.25				
15	16QAM	36	20	16.23	16.20	16.17				
15	16QAM	36	39	16.22	16.26	16.28	17	0		
15	16QAM	75	0	16.13	16.20	16.21				
15	64QAM	1	0	15.96	16.07	16.27				
15	64QAM	1	37	16.20	16.28	16.17	17	0		
15	64QAM	1	74	16.16	16.28	16.25				
15	64QAM	36	0	16.08	16.21	16.24				
15	64QAM	36	20	16.23	16.28	16.29	17	0		
15	64QAM	36	39	16.22	16.30	16.28				
15	64QAM	75	0	16.06	16.23	16.19				
Channel Frequency (MHz)										
37800										
38000										
38200										
2572.5										
2596										
2615										
10	QPSK	1	0	15.98	16.05	16.05	17	0		
10	QPSK	1	25	16.22	16.26	16.28				
10	QPSK	1	49	15.97	15.97	16.13				
10	QPSK	25	0	16.21	16.04	16.18	17	0		
10	QPSK	25	12	16.22	16.28	16.26				
10	QPSK	25	25	16.18	16.23	16.21				
10	QPSK	50	0	16.07	16.19	16.18	17	0		
10	16QAM	1	0	16.12	16.14	16.16				
10	16QAM	1	25	16.17	16.26	16.20				
10	16QAM	1	49	16.22	16.25	16.26	17	0		
10	16QAM	25	0	16.05	16.13	16.28				
10	16QAM	25	12	16.16	16.24	16.20				
10	16QAM	25	25	16.20	16.20	16.25	17	0		
10	16QAM	50	0	16.18	16.22	16.19				
10	64QAM	1	0	15.89	16.06	16.29				
10	64QAM	1	25	16.14	16.24	16.17	17	0		
10	64QAM	1	49	16.14	16.30	16.21				
10	64QAM	25	0	16.01	16.24	16.27				
10	64QAM	25	12	16.16	16.26	16.29	17	0		
10	64QAM	25	25	16.16	16.26	16.19				
10	64QAM	50	0	16.02	16.19	16.24				
Channel Frequency (MHz)										
2572.5										
2596										
2617.5										
5	QPSK	1	0	16.01	16.08	16.09	17	0		
5	QPSK	1	12	16.23	16.24	16.26				
5	QPSK	1	24	16.01	16.01	16.17				
5	QPSK	12	0	16.26	16.06	16.16	17	0		
5	QPSK	12	7	16.26	16.30	16.20				
5	QPSK	12	13	16.25	16.22	16.17				
5	QPSK	25	0	16.11	16.21	16.27	17	0		
5	16QAM	1	0	16.14	16.16	16.15				
5	16QAM	1	12	16.20	16.31	16.24				
5	16QAM	1	24	16.23	16.20	16.27	17	0		
5	16QAM	12	0	16.02	16.13	16.22				
5	16QAM	12	7	16.25	16.20	16.15				
5	16QAM	12	13	16.19	16.21	16.19	17	0		
5	16QAM	25	0	16.11	16.24	16.20				
5	64QAM	1	0	15.93	16.01	16.24				
5	64QAM	1	12	16.17	16.24	16.16	17	0		
5	64QAM	1	24	16.16	16.32	16.25				
5	64QAM	12	0	16.10	16.22	16.29				
5	64QAM	12	7	16.25	16.27	16.25	17	0		
5	64QAM	12	13	16.20	16.27	16.20				
5	64QAM	25	0	16.11	16.25	16.16				

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 Frequency (MHz)								
37850								
20	QPSK	1	0	23.71	23.72	23.70	24.5	0
20	QPSK	1	49	23.98	24.03	23.99		
20	QPSK	1	99	23.85	23.87	23.82		
20	QPSK	50	0	22.99	22.97	22.90	23.5	1
20	QPSK	50	24	23.06	23.10	23.04		
20	QPSK	50	50	23.05	23.01	23.04		
20	QPSK	100	0	23.08	23.09	23.04	23.5	1
20	16QAM	1	0	23.12	23.05	22.99		
20	16QAM	1	49	23.37	23.36	23.24		
20	16QAM	1	99	23.13	23.15	23.11	22.5	2
20	16QAM	50	0	22.05	22.02	21.97		
20	16QAM	50	24	22.20	22.14	22.14		
20	16QAM	50	50	22.14	22.19	22.11	22.5	2
20	16QAM	100	0	22.08	22.08	22.11		
20	64QAM	1	0	22.03	21.92	22.01		
20	64QAM	1	49	22.30	22.19	22.21	22.5	2
20	64QAM	1	99	22.08	22.05	22.05		
20	64QAM	50	0	21.08	20.96	21.05		
20	64QAM	50	24	21.28	21.12	21.16	21.5	3
20	64QAM	50	50	21.14	21.22	21.18		
20	64QAM	100	0	21.08	21.11	21.18		
Channel Frequency (MHz)								
37825								
38000								
38175								
2577.5								
25950								
26125.5								
15	QPSK	1	0	23.58	23.58	23.58	24.5	0
15	QPSK	1	37	23.98	23.99	23.85		
15	QPSK	1	74	23.81	23.76	23.77		
15	QPSK	36	0	22.99	22.89	22.80	23.5	1
15	QPSK	36	20	22.96	23.00	22.94		
15	QPSK	36	39	22.92	22.88	22.96		
15	QPSK	75	0	23.03	23.03	23.00	23.5	1
15	16QAM	1	0	23.01	22.99	22.85		
15	16QAM	1	37	23.35	23.34	23.18		
15	16QAM	1	74	23.02	23.13	23.01	22.5	2
15	16QAM	36	0	21.96	22.01	21.93		
15	16QAM	36	20	22.13	22.09	22.10		
15	16QAM	36	39	22.07	22.09	22.10	22.5	2
15	16QAM	75	0	21.99	22.03	21.99		
15	64QAM	1	0	21.96	21.88	22.00		
15	64QAM	1	37	22.24	22.18	22.16	22.5	2
15	64QAM	1	74	22.02	22.01	22.04		
15	64QAM	36	0	21.01	20.96	20.97		
15	64QAM	36	20	21.21	21.00	21.11	21.5	3
15	64QAM	36	39	21.10	21.21	21.14		
15	64QAM	75	0	20.98	21.05	21.13		
Channel Frequency (MHz)								
37800								
38000								
38200								
2572.5								
25950								
2617.5								
10	QPSK	1	0	23.67	23.71	23.70	24.5	0
10	QPSK	1	25	23.83	23.82	23.84		
10	QPSK	1	49	23.76	23.84	23.81		
10	QPSK	25	0	22.80	22.80	22.84	23.5	1
10	QPSK	25	12	23.00	23.06	22.96		
10	QPSK	25	25	23.00	22.88	22.96		
10	QPSK	50	0	23.08	23.08	23.02	23.5	1
10	16QAM	1	0	23.09	22.96	22.87		
10	16QAM	1	25	23.25	23.34	23.15		
10	16QAM	25	0	23.05	23.04	23.06	22.5	2
10	16QAM	25	12	22.03	22.10	21.93		
10	16QAM	25	25	22.15	22.03	22.14		
10	16QAM	50	0	22.14	22.15	21.97	22.5	2
10	16QAM	50	0	22.04	22.02	22.07		
10	64QAM	1	0	21.80	21.82	21.82		
10	64QAM	1	25	22.30	22.08	22.11	22.5	2
10	64QAM	1	49	21.97	21.91	21.93		
10	64QAM	25	0	20.96	20.85	21.05		
10	64QAM	25	12	21.21	21.07	21.13	21.5	3
10	64QAM	25	25	21.03	21.08	21.13		
10	64QAM	50	0	20.93	20.99	21.04		
Channel Frequency (MHz)								
37710.8								
37925								
38150								
5	QPSK	1	0	23.61	23.58	23.56	24.5	0
5	QPSK	1	23	23.91	23.86	23.85		
5	QPSK	1	24	23.72	23.72	23.80		
5	QPSK	12	0	22.91	22.96	22.84	23.5	1
5	QPSK	12	7	23.38	23.04	23.06		
5	QPSK	12	13	23.03	22.95	22.89		
5	QPSK	25	0	23.06	22.84	22.84	23.5	1
5	16QAM	1	12	23.25	23.22	23.11		
5	16QAM	1	24	22.99	23.06	22.97		
5	16QAM	12	0	22.01	21.80	21.80	22.5	2
5	16QAM	12	7	22.14	22.08	22.05		
5	16QAM	12	13	22.12	22.06	22.11		
5	16QAM	25	0	22.07	21.87	22.00	22.5	2
5	64QAM	1	0	21.97	21.88	21.95		
5	64QAM	1	12	22.28	22.18	22.11		
5	64QAM	1	24	21.94	21.86	21.96	21.5	3
5	64QAM	12	0	20.97	20.95	20.99		
5	64QAM	12	7	21.12	21.04	21.01		
5	64QAM	12	13	21.05	21.20	21.05		
5	64QAM	25	0	21.01	21.06	21.13		

Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
				39750	40185	40620	41055	41490		
20	QPSK	1	0	14.48	14.54	14.74	14.48	14.47	15.5	0
20	QPSK	1	49	14.83	14.71	14.86	14.83	14.83		
20	QPSK	1	99	14.50	14.54	14.61	14.66	14.67		
20	QPSK	50	0	14.80	14.50	14.68	14.69	14.81		
20	QPSK	50	24	14.75	14.70	14.83	14.80	14.82	15.5	0
20	QPSK	50	50	14.63	14.61	14.68	14.60	14.73		
20	QPSK	100	0	14.68	14.63	14.82	14.72	14.73		
20	16QAM	1	0	14.75	14.57	14.82	14.68	14.64		
20	16QAM	1	49	14.66	14.63	14.85	14.80	14.67	15.5	0
20	16QAM	1	99	14.74	14.65	14.75	14.78	14.68		
20	16QAM	50	0	14.68	14.80	14.80	14.72	14.59		
20	16QAM	50	24	14.71	14.63	14.80	14.81	14.58		
20	16QAM	50	50	14.66	14.89	14.78	14.72	14.66	15.5	0
20	16QAM	100	0	14.72	14.84	14.83	14.78	14.68		
20	16QAM	1	0	14.74	14.67	14.75	14.77	14.65		
20	16QAM	1	49	14.66	14.82	14.75	14.72	14.69		
20	16QAM	1	99	14.74	14.82	14.85	14.73	14.62	15.5	0
20	16QAM	50	0	14.61	14.59	14.58	14.54	14.63		
20	16QAM	50	24	14.64	14.55	14.79	14.75	14.63		
20	16QAM	50	50	14.71	14.84	14.74	14.78	14.55		
20	16QAM	100	0	14.68	14.61	14.76	14.58	14.73	15.5	0
Channel Frequency (MHz)				39725	40173	40620	41068	41515		
				2503.5	2527.3	2573	2537.3	2575	Tune-up limit (dBm) MPR (dB)	
15	QPSK	1	0	14.39	14.52	14.68	14.35	14.45	15.50	0
15	QPSK	1	37	14.73	14.67	14.83	14.79	14.73		
15	QPSK	1	74	14.45	14.44	14.56	14.57	14.55		
15	QPSK	36	0	14.51	14.40	14.62	14.63	14.71		
15	QPSK	36	20	14.77	14.61	14.71	14.77	14.70	15.5	0
15	QPSK	36	39	14.61	14.56	14.57	14.58	14.67		
15	QPSK	36	20	14.58	14.54	14.72	14.60	14.64		
15	16QAM	1	0	14.67	14.54	14.74	14.54	14.61		
15	16QAM	1	37	14.59	14.58	14.83	14.77	14.63	15.5	0
15	16QAM	1	74	14.62	14.61	14.67	14.69	14.59		
15	16QAM	36	0	14.59	14.50	14.75	14.65	14.56		
15	16QAM	36	20	14.62	14.56	14.71	14.61	14.55		
15	16QAM	36	39	14.63	14.61	14.71	14.69	14.64	15.5	0
15	16QAM	75	0	14.63	14.53	14.78	14.73	14.64		
15	16QAM	1	0	14.62	14.56	14.70	14.62	14.56		
15	16QAM	1	37	14.53	14.60	14.71	14.66	14.67		
15	16QAM	1	74	14.66	14.50	14.83	14.65	14.57	15.5	0
15	16QAM	36	0	14.60	14.51	14.47	14.58	14.52		
15	16QAM	36	20	14.54	14.46	14.77	14.70	14.54		
15	16QAM	36	39	14.67	14.54	14.71	14.74	14.51		
15	16QAM	75	0	14.65	14.58	14.68	14.52	14.61	15.5	0
Channel Frequency (MHz)				39700	40160	40620	41060	41540		
				2501	2547	2573	2535	2585	Tune-up limit (dBm) MPR (dB)	
10	QPSK	1	0	14.36	14.49	14.71	14.40	14.44	15.50	0
10	QPSK	1	25	14.72	14.67	14.81	14.77	14.80		
10	QPSK	1	49	14.48	14.46	14.55	14.55	14.62		
10	QPSK	25	0	14.56	14.46	14.64	14.58	14.70		
10	QPSK	25	12	14.70	14.68	14.78	14.71	14.77	15.5	0
10	QPSK	25	25	14.56	14.56	14.56	14.55	14.61		
10	QPSK	50	0	14.57	14.53	14.76	14.69	14.95		
10	16QAM	1	0	14.65	14.55	14.77	14.57	14.52		
10	16QAM	1	25	14.56	14.51	14.76	14.77	14.58	15.5	0
10	16QAM	1	49	14.64	14.60	14.73	14.71	14.63		
10	16QAM	25	0	14.66	14.49	14.68	14.67	14.50		
10	16QAM	25	12	14.63	14.55	14.71	14.79	14.47		
10	16QAM	25	25	14.63	14.60	14.66	14.68	14.58	15.5	0
10	16QAM	50	0	14.69	14.57	14.74	14.64	14.61		
10	16QAM	1	0	14.63	14.61	14.65	14.68	14.54		
10	16QAM	1	25	14.57	14.52	14.65	14.69	14.64		
10	16QAM	1	49	14.71	14.51	14.82	14.64	14.53	15.5	0
10	16QAM	25	0	14.55	14.50	14.49	14.50	14.60		
10	16QAM	25	12	14.55	14.47	14.77	14.71	14.58		
10	16QAM	25	25	14.65	14.55	14.69	14.66	14.52		
10	16QAM	50	0	14.66	14.53	14.71	14.51	14.64	15.5	0
Channel Frequency (MHz)				39695	40161	40620	41063	41565		
				2498.5	2545.8	2573	2540.30	2587.5	Tune-up limit (dBm) MPR (dB)	
5	QPSK	1	0	14.36	14.53	14.62	14.42	14.49	15.50	0
5	QPSK	1	12	14.76	14.64	14.83	14.78	14.73		
5	QPSK	1	24	14.48	14.52	14.49	14.54	14.61		
5	QPSK	12	0	14.56	14.43	14.55	14.64	14.71		
5	QPSK	12	7	14.74	14.68	14.78	14.68	14.73	15.5	0
5	QPSK	12	13	14.60	14.54	14.62	14.58	14.71		
5	QPSK	25	0	14.56	14.56	14.78	14.68	14.67		
5	16QAM	1	0	14.75	14.47	14.73	14.64	14.61		
5	16QAM	1	12	14.59	14.55	14.83	14.73	14.60	15.5	0
5	16QAM	1	24	14.67	14.55	14.64	14.67	14.59		
5	16QAM	12	0	14.61	14.48	14.71	14.70	14.51		
5	16QAM	12	7	14.63	14.57	14.70	14.78	14.53		
5	16QAM	12	13	14.68	14.63	14.66	14.60	14.63	15.5	0
5	16QAM	1	12	14.59	14.50	14.84	14.63	14.63		
5	16QAM	1	24	14.69	14.54	14.77	14.69	14.59		
5	16QAM	12	0	14.49	14.51	14.47	14.51	14.53		
5	16QAM	12	7	14.58	14.49	14.73	14.69	14.67	15.5	0
5	16QAM	12	13	14.64	14.53	14.65	14.66	14.53		
5	16QAM	25	0	14.61	14.58	14.64	14.53	14.69		

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)												
				39750	40185	40620	41055	41490				
20	QPSK	1	0	23.81	23.82	23.84	23.80	23.81	24.5	0		
20	QPSK	1	49	23.95	24.01	24.05	23.91	23.97				
20	QPSK	1	99	23.86	23.81	23.85	23.82	23.90				
20	QPSK	50	0	22.85	22.96	22.92	22.93	23.00				
20	QPSK	50	24	23.05	23.08	23.10	23.07	23.04	23.5	1		
20	QPSK	50	50	22.99	23.05	23.05	22.98	22.81				
20	16QAM	1	0	22.90	22.98	22.99	22.97	22.88				
20	16QAM	1	49	23.21	23.36	23.23	23.25	23.21				
20	16QAM	1	99	23.03	23.17	23.08	23.06	22.98	23.5	1		
20	16QAM	50	0	21.89	21.98	22.03	21.94	22.05				
20	16QAM	50	24	21.04	21.12	21.10	21.12	21.07				
20	16QAM	50	50	22.15	22.09	22.04	22.07	21.90				
20	16QAM	100	0	21.96	22.07	22.07	22.02	21.90	22.5	2		
20	16QAM	1	0	21.96	21.96	21.95	21.94	21.94				
20	16QAM	1	49	22.11	22.23	22.17	22.13	22.15				
20	16QAM	1	99	21.96	22.06	22.02	21.98	21.92				
20	16QAM	50	0	20.87	20.97	21.02	20.92	21.02	21.5	3		
20	16QAM	50	24	21.02	21.16	21.12	21.18	21.04				
20	16QAM	50	50	21.04	21.12	21.06	21.10	20.95				
20	16QAM	100	0	21.02	21.07	21.07	21.01	21.02				
Channel Frequency (MHz)				39725	40173	40608	41096	41515	Tune-up limit (dBm)	MPR (dB)		
				254.93	254.93	259.42	264.54	269.62				
15	QPSK	1	0	23.82	23.84	23.84	23.79	23.82	24.50	0		
15	QPSK	1	37	23.94	24.02	24.01	23.97	24.02				
15	QPSK	1	73	23.72	23.74	23.83	23.72	23.79				
15	QPSK	36	0	22.86	22.92	22.85	22.87	22.89				
15	QPSK	36	20	22.88	22.98	23.09	23.04	23.02	23.5	1		
15	QPSK	36	20	22.98	23.08	23.00	23.04	23.00				
15	QPSK	75	0	22.86	22.92	22.94	22.99	22.85				
15	16QAM	1	0	23.03	23.05	23.05	22.95	22.94				
15	16QAM	1	37	23.12	23.15	23.15	23.15	23.15	23.5	1		
15	16QAM	1	74	23.05	23.06	23.00	22.94	22.97				
15	16QAM	36	0	21.85	22.00	22.00	22.00	21.92				
15	16QAM	36	20	22.02	21.96	22.04	22.04	22.04				
15	16QAM	36	39	21.93	21.93	21.89	21.90	21.99	22.5	2		
15	16QAM	75	0	22.03	22.03	22.01	22.05	21.94				
15	16QAM	1	74	21.88	21.88	21.84	21.84	21.84				
15	16QAM	1	37	22.15	22.03	22.13	22.14	22.10				
15	16QAM	1	74	21.87	21.94	21.98	21.90	22.01	21.5	3		
15	16QAM	36	0	20.89	21.00	20.97	20.98	20.98				
15	16QAM	36	39	21.06	20.98	20.98	21.12	21.05				
15	16QAM	36	39	20.91	20.96	20.99	21.02	21.06				
15	16QAM	75	0	21.05	21.04	21.08	21.08	21.06				
Channel Frequency (MHz)				39700 <th>40160<th>40620<th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40160 <th>40620<th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	40620 <th>41080<th>41540</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41080 <th>41540</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	41540	Tune-up limit (dBm)	MPR (dB)		
				250.1	254.7	259.3	263.9	268.5				
10	QPSK	1	0	23.73	23.73	23.71	23.70	23.70	24.50	0		
10	QPSK	1	25	24.02	23.97	23.91	23.82	23.85				
10	QPSK	1	49	23.74	23.70	23.74	23.73	23.71				
10	QPSK	25	0	22.88	22.77	22.81	22.81	22.81				
10	QPSK	25	12	22.99	22.98	22.97	23.02	22.95	23.5	1		
10	QPSK	25	25	22.99	22.99	23.01	22.93	23.01				
10	QPSK	50	0	22.86	22.88	22.88	22.88	22.88				
10	16QAM	1	0	23.03	22.93	23.04	23.08	23.01				
10	16QAM	1	25	23.15	23.08	23.10	23.13	23.10	23.5	1		
10	16QAM	1	49	22.98	23.03	23.04	22.97	22.97				
10	16QAM	25	0	21.98	21.88	21.90	21.94	21.98				
10	16QAM	25	12	22.02	22.08	21.88	22.03	22.00				
10	16QAM	25	25	22.03	21.99	21.93	22.03	21.94	22.5	2		
10	16QAM	50	0	21.93	22.04	22.06	21.97	21.99				
10	16QAM	1	0	21.91	21.81	21.81	21.88	21.82				
10	16QAM	1	25	22.11	22.05	22.09	22.12	22.17				
10	16QAM	1	49	21.97	22.01	22.02	21.89	21.87	22.5	2		
10	16QAM	25	0	20.94	20.88	20.94	20.97	20.97				
10	16QAM	25	12	21.00	21.08	21.12	21.03	20.99				
10	16QAM	25	25	20.92	20.94	20.91	21.05	21.03				
10	16QAM	50	0	21.03	21.02	21.04	20.94	20.98	21.5	3		
Channel Frequency (MHz) <td>250.5</td> <td>254.85</td> <td>259.3</td> <td>264.30</td> <td>268.5</td> <td>Tune-up limit (dBm)</td> <td>MPR (dB)</td>				250.5	254.85	259.3	264.30	268.5			Tune-up limit (dBm)	MPR (dB)
				254.93	254.93	259.42	264.54	269.62				
5	QPSK	1	0	23.72	23.69	23.60	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.85	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.03	22.93	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.96	22.07	21.93				
5	16QAM	25	12	21.07	21.08	21.04	21.89	21.95				
5	16QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	16QAM	1	24	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	16QAM	12	0	20.89	20.93	20.97	20.97	20.97				
5	16QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	16QAM	12	13	21.03	21.04	20.99	21.05	20.98				
5	16QAM	25	0	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz) <td>250.9</td> <td>254.95</td> <td>259.4</td> <td>264.30</td> <td>268.5</td> <td>Tune-up limit (dBm)</td> <td>MPR (dB)</td>				250.9	254.95	259.4	264.30	268.5			Tune-up limit (dBm)	MPR (dB)
				254.93	254.93	259.42	264.54	269.62				
5	QPSK	1	0	23.72	23.69	23.60	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.85	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.03	22.93	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.96	22.07	21.93				
5	16QAM	25	12	21.07	21.08	21.04	21.89	21.95				
5	16QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	16QAM	1	24	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	16QAM	12	0	20.89	20.93	20.97	20.97	20.97				
5	16QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	16QAM	12	13	21.03	21.04	20.99	21.05	20.98				
5	16QAM	25	0	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz) <td>250.9</td> <td>254.95</td> <td>259.4</td> <td>264.30</td> <td>268.5</td> <td>Tune-up limit (dBm)</td> <td>MPR (dB)</td>				250.9	254.95	259.4	264.30	268.5			Tune-up limit (dBm)	MPR (dB)
				254.93	254.93	259.42	264.54	269.62				
5	QPSK	1	0	23.72	23.69	23.60	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.85	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.03	22.93	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.96	22.07	21.93				
5	16QAM	25	12	21.07	21.08	21.04	21.89	21.95				
5	16QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	16QAM	1	24	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	16QAM	12	0	20.89	20.93	20.97	20.97	20.97				
5	16QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	16QAM	12	13	21.03	21.04	20.99	21.05	20.98				
5	16QAM	25	0	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz) <td>250.9</td> <td>254.95</td> <td>259.4</td> <td>264.30</td> <td>268.5</td> <td>Tune-up limit (dBm)</td> <td>MPR (dB)</td>				250.9	254.95	259.4	264.30	268.5			Tune-up limit (dBm)	MPR (dB)
				254.93	254.93	259.42	264.54	269.62				
5	QPSK	1	0	23.72	23.69	23.60	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23							



Reduced Power Mode for DSI3

<GSM>

GSM850_Ant 13	Burst Average Power (dBm)				Turn-up Limit	Frame-Average Power (dBm)				Turn-up Limit
	128	189	251			128	189	251		
TX Channel	524.2	135.4	143.8		(dBm)	524.2	135.4	143.8		(dBm)
Frequency (MHz)	824.2	135.4	143.8			824.2	135.4	143.8		
GSM 1 Tx slot	30.02	30.01	29.97	31.50	21.03	21.03	21.01	20.97	22.50	
GPRS/EDGE(GMSK) 1 Tx slot	30.12	30.03	29.98	31.50	21.12	21.03	20.98	22.50		
GPRS/EDGE(GMSK) 2 Tx slots	27.49	27.50	27.43	29.05	21.49	21.50	21.43	23.00		
GPRS/EDGE(GMSK) 3 Tx slots	23.83	24.77	24.76	26.35	20.57	20.51	20.50	22.34		
GPRS/EDGE(GMSK) 4 Tx slots	23.68	23.63	23.62	25.50	20.68	20.83	20.62	22.50		
EDGE 1 Tx slot	26.88	26.88	26.85	28.05	17.89	17.88	17.85	19.00		
EDGE 2 Tx slots	25.01	25.02	24.87	26.00	15.97	15.92	15.87	18.00		
EDGE 3 Tx slots	22.75	22.89	22.77	24.00	16.49	16.63	16.51	19.74		
EDGE 4 Tx slots	20.45	20.35	20.37	22.00	17.45	17.35	17.37	19.00		

GSM1800_Ant 13	Burst Average Power (dBm)				Turn-up Limit	Frame-Average Power (dBm)				Turn-up Limit
	512	661	810			512	661	810		
TX Channel	1652.2	1890	1929.8		(dBm)	1652.2	1890	1929.8		(dBm)
Frequency (MHz)	1652.2	1890	1929.8			1652.2	1890	1929.8		
GSM 1 Tx slot	24.15	23.99	23.96	24.50	15.15	14.99	14.96	15.50		
GPRS/EDGE(GMSK) 1 Tx slot	24.18	24.01	24.02	24.50	15.18	15.01	15.02	15.50		
GPRS/EDGE(GMSK) 2 Tx slots	21.27	21.11	21.09	22.00	15.27	15.11	15.09	16.00		
GPRS/EDGE(GMSK) 3 Tx slots	18.15	18.00	17.98	19.50	13.89	13.74	13.72	15.24		
GPRS/EDGE(GMSK) 4 Tx slots	17.57	17.48	17.48	19.00	14.57	14.48	14.48	16.00		
EDGE 1 Tx slot	24.83	24.48	24.29	25.00	15.63	15.48	15.29	16.00		
EDGE 2 Tx slots	22.38	22.30	22.15	22.50	16.38	16.30	16.15	16.50		
EDGE 3 Tx slots	19.38	19.10	19.24	20.00	15.12	14.84	14.98	16.74		
EDGE 4 Tx slots	18.27	18.16	18.06	19.00	15.27	15.16	15.06	16.00		

<GSM>

GSM850_Ant 31	Burst Average Power (dBm)				Turn-up Limit	Frame-Average Power (dBm)				Turn-up Limit
	128	189	251			128	189	251		
TX Channel	524.2	135.4	143.8		(dBm)	524.2	135.4	143.8		(dBm)
Frequency (MHz)	824.2	135.4	143.8			824.2	135.4	143.8		
GSM 1 Tx slot	32.30	32.43	32.42	33.50	23.30	23.43	23.42	24.50		
GPRS/EDGE(GMSK) 1 Tx slot	32.28	32.42	32.41	33.50	23.28	23.42	23.41	24.50		
GPRS/EDGE(GMSK) 2 Tx slots	30.19	30.35	30.34	31.50	24.19	24.35	24.34	25.50		
GPRS/EDGE(GMSK) 3 Tx slots	28.01	28.18	28.17	29.50	23.75	23.92	23.91	25.24		
GPRS/EDGE(GMSK) 4 Tx slots	25.78	25.93	25.92	27.50	22.78	22.93	22.92	24.50		
EDGE 1 Tx slot	26.37	26.62	26.61	27.50	17.37	17.62	17.61	18.50		
EDGE 2 Tx slots	24.56	24.61	24.65	25.50	18.56	18.61	18.65	19.50		
EDGE 3 Tx slots	22.28	22.34	22.51	23.50	18.02	18.08	18.25	19.24		
EDGE 4 Tx slots	19.91	20.03	20.18	21.50	16.91	17.03	17.18	18.50		

GSM1800_Ant 31	Burst Average Power (dBm)				Turn-up Limit	Frame-Average Power (dBm)				Turn-up Limit
	512	661	810			512	661	810		
TX Channel	1652.2	1890	1929.8		(dBm)	1652.2	1890	1929.8		(dBm)
Frequency (MHz)	1652.2	1890	1929.8			1652.2	1890	1929.8		
GSM 1 Tx slot	30.06	30.16	30.15	30.50	21.08	21.16	21.15	21.50		
GPRS/EDGE(GMSK) 1 Tx slot	30.06	30.15	30.14	30.50	21.08	21.15	21.14	21.50		
GPRS/EDGE(GMSK) 2 Tx slots	27.44	27.58	27.55	28.00	21.44	21.58	21.55	22.00		
GPRS/EDGE(GMSK) 3 Tx slots	25.50	25.63	25.62	26.50	21.24	21.37	21.36	22.24		
GPRS/EDGE(GMSK) 4 Tx slots	23.48	23.58	23.57	25.00	20.46	20.58	20.57	22.00		
EDGE 1 Tx slot	25.98	26.07	26.24	27.00	16.88	17.07	17.26	18.00		
EDGE 2 Tx slots	24.37	24.46	24.56	25.00	18.37	18.46	18.56	19.00		
EDGE 3 Tx slots	22.55	22.64	22.69	23.50	18.29	18.38	18.43	19.24		
EDGE 4 Tx slots	20.55	20.62	20.61	21.50	17.55	17.62	17.61	18.50		

<WCDMA>

Band	WCDMA E_Ant 13				Turn-up Limit	WCDMA V_Ant 13				Turn-up Limit
	9282	9400	9538			1312	1413	1513		
TX Channel	5682	9800	9938		(dBm)	1537	1638	1738		(dBm)
Rx Channel	5682	9800	9938			1537	1638	1738		
Frequency (MHz)	1624.4	1880	1929.6			1712.4	1724.6	1722.6		
3GPP Rel 99	AMR 12.2Kbps	14.07	14.07	15.00	13.63	13.68	13.63	15.00	20.20	20.24
3GPP Rel 99	AMR 12.2Kbps	14.08	14.14	14.10	15.00	13.93	14.00	13.91	20.21	20.28
3GPP Rel 6	HSRPA Subtest-1	13.32	13.09	13.25	14.00	12.97	12.85	12.85	19.41	19.42
3GPP Rel 6	HSRPA Subtest-2	13.07	13.01	13.17	14.00	13.03	12.91	12.87	19.43	19.37
3GPP Rel 6	HSRPA Subtest-3	12.59	12.60	12.62	13.50	12.44	12.31	12.50	19.00	18.98
3GPP Rel 6	HSRPA Subtest-4	12.64	12.47	12.56	13.50	12.59	12.34	12.55	18.87	18.94
3GPP Rel 6	DC-HSRPA Subtest-1	13.15	13.03	13.22	14.00	12.86	12.96	12.86	19.28	19.32
3GPP Rel 6	DC-HSRPA Subtest-2	13.05	13.06	13.08	14.00	13.01	12.96	12.93	19.44	19.16
3GPP Rel 6	DC-HSRPA Subtest-3	12.48	12.56	12.56	13.50	12.44	12.38	12.39	18.83	18.89
3GPP Rel 6	DC-HSRPA Subtest-4	12.50	12.48	12.51	13.50	12.58	12.28	12.47	18.89	18.93
3GPP Rel 6	HSUPA Subtest-1	11.17	11.10	11.15	12.00	10.87	10.88	10.90	18.37	18.45
3GPP Rel 6	HSUPA Subtest-2	11.28	11.22	11.15	12.00	10.88	10.98	10.93	18.35	18.44
3GPP Rel 6	HSUPA Subtest-3	12.22	12.19	12.25	13.00	11.92	12.02	11.97	19.32	19.40
3GPP Rel 6	HSUPA Subtest-4	10.64	10.75	10.76	11.50	10.44	10.62	10.44	11.50	11.78
3GPP Rel 6	HSUPA Subtest-5	12.14	12.14	12.09	13.00	11.87	11.92	11.84	13.00	19.26
3GPP Rel 7	HSRPA (10QAM) Subtest-1	11.16	11.25	11.09	12.00	10.95	11.01	11.03	12.00	18.37

Band	WCDMA E_Ant 31				Turn-up Limit	WCDMA V_Ant 31				Turn-up Limit
	9282	9400	9538			1312	1413	1513		
TX Channel	5682	9800	9938		(dBm)	1537	1638	1738		(dBm)
Rx Channel	5682	9800	9938			1537	1638	1738		
Frequency (MHz)	1624.4	1880	1929.6			1712.4	1724.6	1722.6		
3GPP Rel 99	AMR 12.2Kbps	23.22	23.31	23.29	24.00	23.02	23.14	23.12	24.00	23.22
3GPP Rel 99	AMR 12.2Kbps	23.24	23.32	23.31	24.00	23.05	23.16	23.14	24.00	23.25
3GPP Rel 6	HSRPA Subtest-1	22.27	22.27	22.45	23.00	22.02	22.16	22.10	23.00	22.23
3GPP Rel 6	HSRPA Subtest-2	22.14	22.13	22.17	23.00	21.91	22.06	22.10	23.00	22.15
3GPP Rel 6	HSUPA Subtest-1	21.79	21.65	21.79	22.50	21.44	21.53	21.63	22.50	21.66
3GPP Rel 6	HSUPA Subtest-2	21.88	21.61	21.77	22.50	21.50	21.60	21.64	22.50	21.66
3GPP Rel 6	DC-HSRPA Subtest-1	22.23	22.20	22.40	23.00	22.00	22.10	22.03	23.00	22.19
3GPP Rel 6	DC-HSRPA Subtest-2	22.07	22.06	22.12	23.00	21.84	21.99	22.06	23.00	22.11
3GPP Rel 6	DC-HSRPA Subtest-3	21.75	21.63	21.75	22.50	21.40	21.49	21.57	22.50	21.61
3GPP Rel 6	DC-HSRPA Subtest-4	21.63	21.59	21.74	22.50	21.44	21.55	21.57	22.50	21.62
3GPP Rel 6	HSUPA Subtest-1	20.37	20.23	20.52	21.20	20.11	20.18	20.17	21.00	21.17
3GPP Rel 6	HSUPA Subtest-2	20.28	20.27	20.42	21.20	20.09	20.14	20.13	21.00	21.07
3GPP Rel 6	HSUPA Subtest-3	21.27	21.28	21.48	22.00	21.06	21.17	21.15	22.00	21.94
3GPP Rel 6	HSUPA Subtest-4	19.89	19.72	20.01	20.50	19.57	19.60	19.61	20.50	20.43
3GPP Rel 6	HSUPA Subtest-5	21.30	21.20	21.30	22.00	21.00	21.10	21.10	22.00	21.90
3GPP Rel 7	HSRPA (10QAM) Subtest-1	20.34	20.33	20.44	21.20	20.15	20.20	20.18	21.20	21.14

Band 2_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 Frequency (MHz)								
20	QPSK	1	0	13.49	13.41	13.40	14.6	0
20	QPSK	1	49	13.55	13.74	13.57		
20	QPSK	1	99	13.32	13.36	13.25		
20	QPSK	50	0	13.32	13.43	13.30		
20	QPSK	50	24	13.49	13.62	13.54	14.6	0
20	QPSK	50	50	13.23	13.28	13.27		
20	QPSK	100	0	13.48	13.66	13.38		
20	16QAM	1	0	13.34	13.33	13.39		
20	16QAM	1	49	13.62	13.55	13.62	14.6	0
20	16QAM	1	99	13.31	13.45	13.43		
20	16QAM	50	0	13.36	13.32	13.24		
20	16QAM	50	24	13.30	13.52	13.36		
20	16QAM	50	50	13.20	13.21	13.06	14.6	0
20	16QAM	100	0	13.19	13.40	13.27		
20	64QAM	1	0	13.56	13.51	13.58		
20	64QAM	1	49	13.86	13.63	13.58		
20	64QAM	1	99	13.53	13.38	13.28	14.6	0
20	64QAM	50	0	13.56	13.53	13.41		
20	64QAM	50	24	13.36	13.52	13.36		
20	64QAM	50	50	13.35	13.29	13.32		
20	64QAM	100	0	13.24	13.37	13.31	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
15	QPSK	1	0	13.38	13.39	13.30	14.6	0
15	QPSK	1	37	13.51	13.70	13.46		
15	QPSK	1	74	13.22	13.27	13.21		
15	QPSK	36	0	13.25	13.39	13.21		
15	QPSK	36	36	13.41	13.57	13.45	14.6	0
15	QPSK	36	39	13.12	13.26	13.17		
15	QPSK	75	0	13.36	13.54	13.29		
15	16QAM	1	0	13.31	13.21	13.31		
15	16QAM	1	37	13.56	13.48	13.53	14.6	0
15	16QAM	1	74	13.24	13.37	13.36		
15	16QAM	36	0	13.30	13.24	13.13		
15	16QAM	36	20	13.18	13.45	13.27		
15	16QAM	36	39	13.10	13.18	13.04	14.6	0
15	16QAM	75	0	13.08	13.30	13.29		
15	64QAM	1	0	13.47	13.43	13.53		
15	64QAM	1	37	13.58	13.60	13.52		
15	64QAM	1	74	13.48	13.27	13.24	14.6	0
15	64QAM	36	0	13.51	13.48	13.32		
15	64QAM	36	20	13.28	13.45	13.30		
15	64QAM	36	39	13.28	13.23	13.26		
15	64QAM	75	0	13.16	13.31	13.21	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
10	QPSK	1	0	13.42	13.33	13.31	14.6	0
10	QPSK	1	25	13.47	13.69	13.54		
10	QPSK	1	49	13.20	13.27	13.15		
10	QPSK	25	0	13.26	13.34	13.27		
10	QPSK	25	12	13.39	13.54	13.45	14.6	0
10	QPSK	25	25	13.21	13.22	13.25		
10	QPSK	50	0	13.44	13.49	13.26		
10	16QAM	1	0	13.23	13.27	13.31		
10	16QAM	1	25	13.59	13.50	13.59	14.6	0
10	16QAM	1	49	13.22	13.35	13.31		
10	16QAM	25	0	13.30	13.30	13.15		
10	16QAM	25	12	13.28	13.40	13.25		
10	16QAM	25	25	13.09	13.15	12.99	14.6	0
10	16QAM	50	0	13.09	13.38	13.19		
10	64QAM	1	0	13.49	13.42	13.46		
10	64QAM	1	25	13.56	13.51	13.51		
10	64QAM	1	49	13.45	13.27	13.26	14.6	0
10	64QAM	25	0	13.48	13.50	13.36		
10	64QAM	25	12	13.34	13.44	13.33		
10	64QAM	25	25	13.27	13.24	13.27		
10	64QAM	50	0	13.20	13.34	13.23	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
5	QPSK	1	0	13.42	13.38	13.32	14.6	0
5	QPSK	1	12	13.46	13.70	13.46		
5	QPSK	1	24	13.26	13.28	13.21		
5	QPSK	12	0	13.20	13.38	13.19		
5	QPSK	12	7	13.41	13.51	13.48	14.6	0
5	QPSK	12	13	13.17	13.18	13.16		
5	QPSK	25	0	13.38	13.54	13.26		
5	16QAM	1	0	13.26	13.25	13.37		
5	16QAM	1	12	13.53	13.46	13.51	14.6	0
5	16QAM	1	24	13.28	13.39	13.40		
5	16QAM	12	0	13.29	13.20	13.17		
5	16QAM	12	7	13.22	13.43	13.27		
5	16QAM	12	13	13.16	13.11	13.00	14.6	0
5	16QAM	25	0	13.15	13.37	13.24		
5	64QAM	1	0	13.44	13.43	13.50		
5	64QAM	1	12	13.61	13.56	13.50		
5	64QAM	12	0	13.42	13.29	13.23	14.6	0
5	64QAM	12	7	13.52	13.41	13.32		
5	64QAM	12	7	13.28	13.48	13.26		
5	64QAM	12	13	13.23	13.27	13.25		
5	64QAM	25	0	13.18	13.32	13.29	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
3	QPSK	1	0	13.41	13.29	13.31	14.6	0
3	QPSK	1	8	13.48	13.67	13.45		
3	QPSK	1	16	13.18	13.33	13.15		
3	QPSK	8	0	13.24	13.31	13.23		
3	QPSK	8	4	13.42	13.59	13.47	14.6	0
3	QPSK	8	7	13.14	13.16	13.16		
3	QPSK	15	0	13.38	13.53	13.32		
3	16QAM	1	0	13.32	13.25	13.29		
3	16QAM	1	8	13.50	13.50	13.58	14.6	0
3	16QAM	1	16	13.22	13.36	13.33		
3	16QAM	8	0	13.32	13.28	13.15		
3	16QAM	8	4	13.22	13.43	13.26		
3	16QAM	8	7	13.09	13.14	13.00	14.6	0
3	16QAM	15	0	13.12	13.38	13.19		
3	64QAM	1	0	13.46	13.43	13.49		
3	64QAM	1	8	13.60	13.53	13.55		
3	64QAM	1	16	13.51	13.31	13.25	14.6	0
3	64QAM	8	0	13.54	13.49	13.37		
3	64QAM	8	4	13.24	13.45	13.34		
3	64QAM	8	7	13.30	13.26	13.23		
3	64QAM	15	0	13.15	13.31	13.23	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
1.4	QPSK	1	0	13.37	13.39	13.30	14.6	0
1.4	QPSK	1	3	13.48	13.68	13.48		
1.4	QPSK	1	5	13.17	13.29	13.19		
1.4	QPSK	3	0	13.26	13.36	13.18		
1.4	QPSK	3	1	13.37	13.56	13.44	14.6	0
1.4	QPSK	3	3	13.18	13.22	13.23		
1.4	QPSK	6	0	13.46	13.53	13.27		
1.4	16QAM	1	0	13.29	13.30	13.33		
1.4	16QAM	1	3	13.58	13.48	13.59	14.6	0
1.4	16QAM	1	5	13.29	13.33	13.33		
1.4	16QAM	3	0	13.34	13.25	13.14		
1.4	16QAM	3	1	13.22	13.40	13.28		
1.4	16QAM	3	3	13.16	13.14	12.99	14.6	0
1.4	16QAM	6	0	13.14	13.34	13.22		
1.4	64QAM	1	0	13.49	13.41	13.46		
1.4	64QAM	1	3	13.58	13.58	13.55		
1.4	64QAM	1	5	13.51	13.31	13.17	14.6	0
1.4	64QAM	3	0	13.53	13.47	13.29		
1.4	64QAM	3	1	13.26	13.46	13.25		
1.4	64QAM	3	3	13.32	13.17	13.28		
1.4	64QAM	6	0	13.15	13.27	13.28	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								

Band 2_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 Frequency (MHz)										
20	QPSK	1	0	1870	1870	1900	24	0		
20	QPSK	1	49	23.1	23.06	23.04				
20	QPSK	1	99	23.1	23.09	23.04				
20	QPSK	50	0	22.27	22.35	22.25				
20	QPSK	50	24	22.35	22.41	22.41	23	1		
20	QPSK	50	50	22.37	22.17	22.31				
20	QPSK	100	0	22.26	22.35	22.31				
20	16QAM	1	0	22.43	22.69	22.77				
20	16QAM	1	49	22.71	22.65	22.84	23	1		
20	16QAM	1	99	22.4	22.58	22.55				
20	16QAM	50	0	21.19	21.45	21.23				
20	16QAM	50	24	21.38	21.34	21.34				
20	16QAM	50	50	21.39	21.23	21.21	22	2		
20	16QAM	100	0	21.29	21.27	21.26				
20	64QAM	1	0	21.27	21.39	21.39				
20	64QAM	1	49	21.43	21.47	21.58				
20	64QAM	1	99	21.41	21.52	21.45	21	3		
20	64QAM	50	0	20.17	20.45	20.25				
20	64QAM	50	24	20.45	20.44	20.44				
20	64QAM	50	50	20.41	20.26	20.24				
20	64QAM	100	0	20.45	20.31	20.31				
Channel Frequency (MHz)										
15	QPSK	1	0	1870.5	1870	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	37	23.09	22.98	22.95				
15	QPSK	1	74	22.95	23.38	23.38				
15	QPSK	1	74	22.95	23.05	22.96				
15	QPSK	36	0	22.15	22.22	22.11	23	1		
15	QPSK	36	20	22.37	22.38	22.34				
15	QPSK	36	36	22.27	22.15	22.16				
15	QPSK	75	0	22.26	22.36	22.35				
15	16QAM	1	0	22.37	22.59	22.68	23	1		
15	16QAM	1	37	22.27	22.69	22.70				
15	16QAM	1	74	22.26	22.45	22.45				
15	16QAM	36	0	21.05	21.44	21.04				
15	16QAM	36	36	21.30	21.29	21.29	22	2		
15	16QAM	36	36	21.28	21.10	21.19				
15	16QAM	75	0	21.26	21.24	21.22				
15	64QAM	1	0	21.24	21.17	21.11				
15	64QAM	1	37	21.40	21.37	21.51	22	2		
15	64QAM	1	74	21.38	21.52	21.45				
15	64QAM	36	0	20.11	20.30	20.10				
15	64QAM	36	20	20.43	20.43	20.29				
15	64QAM	36	36	20.29	20.23	20.14	21	3		
15	64QAM	75	0	20.42	20.20	20.08				
Channel Frequency (MHz)										
10	QPSK	1	0	1865.0	1865.0	1915.0			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	23.31	23.36	23.27				
10	QPSK	1	49	23.10	22.94	22.99				
10	QPSK	1	49	23.10	22.95	22.91				
10	QPSK	25	0	22.20	22.35	22.25	23	1		
10	QPSK	25	12	22.34	22.27	22.32				
10	QPSK	25	25	22.26	22.07	22.26				
10	QPSK	50	0	22.19	22.29	22.29				
10	16QAM	1	0	22.33	22.69	22.69	23	1		
10	16QAM	1	25	22.28	22.52	22.71				
10	16QAM	1	49	22.28	22.54	22.52				
10	16QAM	25	0	21.09	21.37	21.11				
10	16QAM	25	12	21.35	21.38	21.38	22	2		
10	16QAM	25	25	21.29	21.14	21.08				
10	16QAM	50	0	21.23	21.17	21.22				
10	64QAM	1	0	21.16	21.21	21.21				
10	64QAM	1	25	21.28	21.44	21.43	22	2		
10	64QAM	1	49	21.33	21.38	21.41				
10	64QAM	25	0	20.04	20.37	20.13				
10	64QAM	25	12	20.32	20.41	20.42				
10	64QAM	25	25	20.25	20.11	20.23	21	3		
10	64QAM	50	0	20.31	20.31	20.35				
Channel Frequency (MHz)										
5	QPSK	1	0	1862.5	1862.5	1907.5			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	23.25	23.39	23.33				
5	QPSK	1	24	23.09	23.07	23.04				
5	QPSK	12	0	22.22	22.21	22.17				
5	QPSK	12	12	22.33	22.36	22.38	23	1		
5	QPSK	12	12	22.22	22.10	22.10				
5	QPSK	25	0	22.25	22.24	22.20				
5	16QAM	1	0	22.33	22.59	22.73				
5	16QAM	1	12	22.46	22.51	22.71	23	1		
5	16QAM	1	24	22.33	22.50	22.42				
5	16QAM	12	0	21.05	21.40	21.18				
5	16QAM	12	12	21.28	21.31	21.22				
5	16QAM	12	13	21.38	21.15	21.19	22	2		
5	16QAM	25	0	21.16	21.21	21.25				
5	64QAM	1	0	21.21	21.27	21.24				
5	64QAM	1	12	21.43	21.41	21.49				
5	64QAM	1	24	21.41	21.41	21.45	22	2		
5	64QAM	12	0	20.03	20.31	20.24				
5	64QAM	12	7	20.35	20.38	20.30				
5	64QAM	12	13	20.37	20.22	20.17				
5	64QAM	25	0	20.36	20.17	20.08	21	3		
Channel Frequency (MHz)										
3	QPSK	1	0	1861.5	1860.0	1918.5			Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	22.99	22.85	22.92				
3	QPSK	1	14	23.34	23.35	23.26				
3	QPSK	8	0	22.18	22.25	22.13				
3	QPSK	8	4	22.26	22.33	22.38	23	1		
3	QPSK	8	7	22.35	22.36	22.30				
3	QPSK	15	0	22.23	22.24	22.20				
3	16QAM	1	0	22.33	22.59	22.73				
3	16QAM	1	8	22.69	22.65	22.83	23	1		
3	16QAM	1	14	22.36	22.43	22.46				
3	16QAM	8	0	21.12	21.33	21.10				
3	16QAM	8	4	21.32	21.43	21.37				
3	16QAM	8	7	21.26	21.08	21.18	22	2		
3	16QAM	15	0	21.25	21.12	21.21				
3	64QAM	1	0	21.12	21.22	21.18				
3	64QAM	1	8	21.39	21.37	21.51				
3	64QAM	1	14	21.27	21.44	21.33	22	2		
3	64QAM	8	0	20.05	20.37	20.11				
3	64QAM	8	4	20.41	20.37	20.38				
3	64QAM	8	7	20.38	20.17	20.16				
3	64QAM	15	0	20.37	20.20	20.20	21	3		
Channel Frequency (MHz)										
1.4	QPSK	1	0	1860.7	1860.0	1919.3			Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	23.04	22.99	23.00				
1.4	QPSK	1	3	23.25	23.23	23.31				
1.4	QPSK	1	3	23.03	23.03	22.97				
1.4	QPSK	3	0	23.05	23.00	22.90	24	0		
1.4	QPSK	3	1	22.98	23.08	22.95				
1.4	QPSK	3	3	23.02	23.00	22.98				
1.4	QPSK	6	0	22.17	22.35	22.25				
1.4	16QAM	1	0	22.31	22.61	22.67	23	1		
1.4	16QAM	1	3	22.63	22.64	22.71				
1.4	16QAM	1	5	22.37	22.36	22.32				
1.4	16QAM	3	0	22.38	22.37	22.33				
1.4	16QAM	3	22	22.31	22.31	22.32	23	1		
1.4	16QAM	3	3	22.37	22.32	22.29				
1.4	16QAM	6	0	21.17	21.14	21.26				
1.4	64QAM	1	0	21.19	21.26	21.21				
1.4	64QAM	1	3	21.32	21.49	21.56	22	2		
1.4	64QAM	1	5	21.35	21.48	21.39				
1.4	64QAM	3	0	21.04	21.35	21.12				
1.4	64QAM	3	1	21.08	21.43	21.21				
1.4	64QAM	3	3	21.18	21.43	21.10	21	3		
1.4	64QAM	6	0	20.31	20.30	20.20				
Channel Frequency (MHz)										
1.4	QPSK	1	0	1860.7	1860.0	1919.3			Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	23.04	22.99	23.00				
1.4	QPSK	1	3	23.25	23.23	23.31				
1.4	QPSK	1	3	23.03	23.03	22.97				
1.4	QPSK	3	0	23.05	23.00	22.90	24	0		
1.4	QPSK	3	1	22.98	23.08	22.95				
1.4	QPSK	3	3	23.02	23.00	22.98				
1.4	QPSK	6	0	22.17	22.35	22.25				
1.4	16QAM	1	0	22.31	22.61	22.67	23	1		
1.4	16QAM	1	3	22.63	22.64	22.71				
1.4	16QAM	1	5	22.37	22.36	22.32				
1.4	16QAM	3	0	22.38	22.37	22.33				
1.4	16QAM	3	22	22.31	22.31	22.32	23	1		
1.4	16QAM	3	3	22.37	22.32	22.29				
1.4	16QAM	6	0	21.17	21.14	21.26				
1.4	64QAM	1	0	21.19	21.26	21.21				
1.4	64QAM	1	3	21.32	21.49	21.56	22	2		
1.4	64QAM	1	5	21.35	21.48	21.39				
1.4	64QAM	3	0	21.04	21.35	21.12				
1.4	64QAM	3	1	21.08	21.43	21.21				
1.4	64QAM	3	3	21.18	21.43	21.10	21	3		
1.4	64QAM	6	0	20.31	20.30	20.20				

Band 4_Ant 13

BW [MHz]	Modulation	Channel	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	1720	1722.5	1725			
20	QPSK	1	49	14.17	14.25	14.20	15.5	0	
20	QPSK	1	99	14.37	14.80	14.48			
20	QPSK	50	0	14.23	14.24	14.08			
20	QPSK	50	24	14.35	14.26	14.51			
20	QPSK	50	50	14.55	14.57	14.58	15.5	0	
20	QPSK	100	0	14.52	14.45	14.37			
20	QPSK	100	49	14.52	14.55	14.39			
20	16QAM	1	0	14.57	14.57	14.59	15.5	0	
20	16QAM	1	49	14.56	14.51	14.54			
20	16QAM	1	99	14.56	14.53	14.55			
20	16QAM	50	0	14.48	14.49	14.40	15.5	0	
20	16QAM	50	24	14.55	14.57	14.34			
20	16QAM	50	50	14.52	14.49	14.34			
20	16QAM	100	0	14.27	14.39	14.22	15.5	0	
20	64QAM	1	0	14.58	14.51	14.57			
20	64QAM	1	49	14.51	14.55	14.51	15.5	0	
20	64QAM	1	99	14.50	14.57	14.53			
20	64QAM	50	0	14.52	14.49	14.57			
20	64QAM	50	24	14.54	14.53	14.34	15.5	0	
20	64QAM	50	50	14.40	14.50	14.36			
20	64QAM	100	0	14.43	14.43	14.44			
Channel Frequency (MHz)									
15	QPSK	1	0	14.09	14.16	14.08			
15	QPSK	1	37	14.55	14.53	14.37	15.5	0	
15	QPSK	1	74	14.15	14.16	14.04			
15	QPSK	36	0	14.27	14.18	14.39	15.5	0	
15	QPSK	36	38	14.47	14.52	14.51			
15	QPSK	36	39	14.41	14.38	14.35			
15	QPSK	75	0	14.46	14.45	14.36			
15	16QAM	1	0	14.50	14.48	14.43	15.5	0	
15	16QAM	1	37	14.44	14.48	14.47			
15	16QAM	1	74	14.48	14.45	14.48			
15	16QAM	36	0	14.44	14.38	14.28	15.5	0	
15	16QAM	36	20	14.48	14.45	14.24			
15	16QAM	36	39	14.40	14.38	14.30			
15	16QAM	75	0	14.15	14.34	14.11			
15	64QAM	1	0	14.56	14.41	14.53	15.5	0	
15	64QAM	1	37	14.47	14.47	14.46			
15	64QAM	1	74	14.42	14.51	14.47			
15	64QAM	36	0	14.42	14.29	14.45			
15	64QAM	36	20	14.46	14.48	14.23	15.5	0	
15	64QAM	36	39	14.37	14.48	14.32			
15	64QAM	75	0	14.41	14.33	14.40			
Channel Frequency (MHz)									
10	QPSK	1	0	14.15	14.19	14.11			
10	QPSK	1	25	14.55	14.58	14.38	15.5	0	
10	QPSK	1	49	14.13	14.17	14.03			
10	QPSK	25	0	14.32	14.14	14.44			
10	QPSK	25	12	14.48	14.54	14.48	15.5	0	
10	QPSK	25	25	14.46	14.37	14.25			
10	QPSK	50	0	14.49	14.46	14.32			
10	16QAM	1	0	14.46	14.45	14.39	15.5	0	
10	16QAM	1	25	14.49	14.44	14.49			
10	16QAM	1	49	14.45	14.49	14.44			
10	16QAM	25	0	14.45	14.42	14.33	15.5	0	
10	16QAM	25	12	14.50	14.49	14.25			
10	16QAM	25	25	14.41	14.47	14.31			
10	16QAM	50	0	14.16	14.35	14.15			
10	64QAM	1	0	14.48	14.41	14.50	15.5	0	
10	64QAM	1	25	14.42	14.48	14.48			
10	64QAM	1	49	14.45	14.46	14.45			
10	64QAM	25	0	14.41	14.30	14.49			
10	64QAM	25	12	14.49	14.46	14.32	15.5	0	
10	64QAM	25	25	14.36	14.41	14.27			
10	64QAM	50	0	14.31	14.32	14.42			
Channel Frequency (MHz)									
5	QPSK	1	0	14.12	14.13	14.08			
5	QPSK	1	12	14.51	14.56	14.33	15.5	0	
5	QPSK	1	24	14.16	14.14	14.08			
5	QPSK	12	0	14.23	14.15	14.41			
5	QPSK	12	7	14.49	14.55	14.53	15.5	0	
5	QPSK	12	13	14.45	14.42	14.32			
5	QPSK	25	0	14.40	14.43	14.36			
5	16QAM	1	0	14.50	14.46	14.45	15.5	0	
5	16QAM	1	12	14.45	14.49	14.44			
5	16QAM	1	24	14.50	14.49	14.51			
5	16QAM	12	0	14.49	14.41	14.33	15.5	0	
5	16QAM	12	7	14.47	14.55	14.29			
5	16QAM	12	13	14.48	14.38	14.22			
5	16QAM	25	0	14.25	14.36	14.10	15.5	0	
5	16QAM	25	7	14.52	14.35	14.52			
5	64QAM	1	0	14.44	14.47	14.41	15.5	0	
5	64QAM	1	12	14.47	14.52	14.51			
5	64QAM	12	0	14.48	14.28	14.45			
5	64QAM	12	7	14.51	14.43	14.26	15.5	0	
5	64QAM	12	13	14.30	14.47	14.27			
5	64QAM	25	0	14.31	14.35	14.32			
Channel Frequency (MHz)									
3	QPSK	1	0	14.12	14.22	14.17			
3	QPSK	1	8	14.45	14.57	14.41	15.5	0	
3	QPSK	1	16	14.15	14.13	14.02			
3	QPSK	8	0	14.28	14.23	14.40			
3	QPSK	8	4	14.50	14.55	14.46	15.5	0	
3	QPSK	8	7	14.50	14.34	14.25			
3	QPSK	15	0	14.49	14.52	14.27			
3	16QAM	1	0	14.46	14.46	14.45	15.5	0	
3	16QAM	1	8	14.45	14.49	14.49			
3	16QAM	1	16	14.45	14.42	14.49			
3	16QAM	8	0	14.38	14.45	14.37	15.5	0	
3	16QAM	8	4	14.45	14.45	14.32			
3	16QAM	8	7	14.43	14.42	14.29			
3	16QAM	15	0	14.25	14.36	14.17			
3	64QAM	1	0	14.49	14.42	14.46	15.5	0	
3	64QAM	1	8	14.49	14.50	14.45			
3	64QAM	1	16	14.45	14.50	14.43			
3	64QAM	8	0	14.44	14.33	14.51	15.5	0	
3	64QAM	8	4	14.45	14.50	14.23			
3	64QAM	8	7	14.28	14.40	14.34			
3	64QAM	15	0	14.34	14.41	14.52			
Channel Frequency (MHz)									
1.4	QPSK	1	0	14.08	14.21	14.16			
1.4	QPSK	1	3	14.50	14.52	14.36	15.5	0	
1.4	QPSK	1	5	14.21	14.16	14.05			
1.4	QPSK	3	0	14.31	14.20	14.46			
1.4	QPSK	3	1	14.52	14.45	14.50			
1.4	QPSK	3	3	14.49	14.42	14.31	15.5	0	
1.4	QPSK	6	0	14.44	14.51	14.34			
1.4	16QAM	1	0	14.48	14.49	14.48	15.5	0	
1.4	16QAM	1	3	14.46	14.48	14.43			
1.4	16QAM	1	5	14.46	14.42	14.49			
1.4	16QAM	3	0	14.43	14.39	14.32	15.5	0	
1.4	16QAM	3	1	14.50	14.47	14.23			
1.4	16QAM	3	3	14.44	14.35	14.22			
1.4	16QAM	6	0	14.22	14.37	14.14	15.5	0	
1.4	64QAM	1	0	14.51	14.47	14.50			
1.4	64QAM	1	3	14.46	14.63	14.49	15.5	0	
1.4	64QAM	1	5	14.38	14.53	14.48			
1.4	64QAM	3	0	14.45	14.38	14.48			
1.4	64QAM	3	1	14.49	14.47	14.23	15.5	0	
1.4	64QAM	3	3	14.33	14.40	14.24			
1.4	64QAM	6	0	14.35	14.34	14.35	15.5	0	

Band 4_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 Frequency (MHz)								
20	QPSK	1	0	1720	1727.5	1745		
20	QPSK	1	49	23.09	23.10	23.25	24	0
20	QPSK	1	99	22.94	22.91	22.98		
20	QPSK	50	0	22.27	22.30	22.21		
20	QPSK	50	24	22.25	22.42	22.39	23	1
20	QPSK	50	50	22.32	22.39	22.27		
20	QPSK	100	0	22.27	22.30	22.21		
20	16QAM	1	0	22.25	22.44	22.30	23	1
20	16QAM	1	49	22.71	22.56	22.70		
20	16QAM	1	99	22.71	22.56	22.70		
20	16QAM	50	0	21.30	21.28	21.15	22	2
20	16QAM	50	24	21.32	21.52	21.29		
20	16QAM	50	50	21.35	21.29	21.25		
20	16QAM	100	0	21.32	21.34	21.12		
20	64QAM	1	0	21.23	21.55	21.49	22	2
20	64QAM	1	49	21.48	21.52	21.47		
20	64QAM	1	99	21.34	21.19	21.33		
20	64QAM	50	0	20.23	20.36	20.29	21	3
20	64QAM	50	24	20.29	20.42	20.26		
20	64QAM	50	50	20.38	20.38	20.36		
20	64QAM	100	0	20.36	20.35	20.17		
Channel Frequency (MHz)								
15	QPSK	1	0	22.88	23.07	23.15		
15	QPSK	1	37	23.22	23.18	23.22	24	0
15	QPSK	1	74	22.82	22.83	22.85		
15	QPSK	36	0	22.22	22.17	22.18		
15	QPSK	36	38	22.23	22.28	22.17	23	1
15	QPSK	36	39	22.17	22.32	22.22		
15	QPSK	75	0	22.27	22.18	22.26		
15	16QAM	1	0	22.25	22.34	22.23	23	1
15	16QAM	1	37	22.70	22.56	22.70		
15	16QAM	1	74	22.71	22.56	22.70		
15	16QAM	36	0	21.28	21.21	21.07	22	2
15	16QAM	36	38	21.30	21.50	21.14		
15	16QAM	36	39	21.34	21.19	21.19		
15	16QAM	75	0	21.20	21.27	20.99		
15	64QAM	1	0	21.22	21.41	21.41	22	2
15	64QAM	1	37	21.38	21.48	21.41		
15	64QAM	1	74	21.22	21.11	21.21		
15	64QAM	36	0	20.11	20.21	20.13	21	3
15	64QAM	36	20	20.17	20.25	20.15		
15	64QAM	36	38	20.24	20.40	20.23		
15	64QAM	75	0	20.28	20.28	20.19		
Channel Frequency (MHz)								
10	QPSK	1	0	23.09	23.04	23.29		
10	QPSK	1	25	23.25	23.21	23.18	24	0
10	QPSK	1	49	22.88	22.84	22.86		
10	QPSK	25	0	22.21	22.30	22.15		
10	QPSK	25	12	22.26	22.32	22.26	23	1
10	QPSK	25	25	22.28	22.39	22.20		
10	QPSK	50	0	22.17	22.31	22.18		
10	16QAM	1	0	22.16	22.32	22.21	23	1
10	16QAM	1	25	22.68	22.57	22.57		
10	16QAM	1	49	22.65	22.27	22.30		
10	16QAM	25	0	21.17	21.18	21.12	22	2
10	16QAM	25	12	21.24	21.32	21.17		
10	16QAM	25	25	21.30	21.24	21.19		
10	16QAM	50	0	21.29	21.25	21.09		
10	64QAM	1	0	21.21	21.45	21.35	22	2
10	64QAM	1	25	21.33	21.41	21.39		
10	64QAM	1	49	21.19	21.04	21.29		
10	64QAM	25	0	20.19	20.21	20.20	21	3
10	64QAM	25	12	20.14	20.34	20.21		
10	64QAM	25	25	20.22	20.36	20.26		
10	64QAM	50	0	20.30	20.34	20.18		
Channel Frequency (MHz)								
5	QPSK	1	0	23.09	23.09	23.09		
5	QPSK	1	12	23.18	23.28	23.25	24	0
5	QPSK	1	24	22.83	22.80	22.82		
5	QPSK	12	0	22.18	22.21	22.11		
5	QPSK	12	7	22.31	22.38	22.28	23	1
5	QPSK	12	13	22.34	22.37	22.17		
5	QPSK	25	0	22.22	22.18	22.17		
5	16QAM	1	0	22.24	22.35	22.21	23	1
5	16QAM	1	12	22.68	22.65	22.65		
5	16QAM	1	24	22.29	22.17	22.32		
5	16QAM	12	0	21.20	21.31	21.11	22	2
5	16QAM	12	7	21.17	21.31	21.10		
5	16QAM	12	13	21.33	21.29	21.10		
5	16QAM	25	0	21.18	21.27	21.07	21	3
5	64QAM	1	0	21.08	21.47	21.29		
5	64QAM	1	12	21.38	21.37	21.33		
5	64QAM	1	24	21.28	21.05	21.19		
5	64QAM	12	0	20.16	20.31	20.19	23	2
5	64QAM	12	7	20.14	20.29	20.22		
5	64QAM	12	13	20.25	20.31	20.15		
5	64QAM	25	0	20.29	20.36	20.14		
Channel Frequency (MHz)								
3	QPSK	1	0	23.09	23.09	23.09		
3	QPSK	1	8	23.30	23.29	23.24	24	0
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	22.24	22.17	22.17		
3	QPSK	8	4	22.27	22.23	22.21	23	1
3	QPSK	8	8	22.18	22.33	22.18		
3	QPSK	15	0	22.17	22.29	22.21		
3	16QAM	1	0	22.14	22.42	22.18	23	1
3	16QAM	1	8	22.67	22.63	22.61		
3	16QAM	1	14	22.28	22.34	22.26		
3	16QAM	8	0	21.26	21.15	21.14	22	2
3	16QAM	8	4	21.28	21.44	21.21		
3	16QAM	8	7	21.21	21.14	21.18		
3	16QAM	15	0	21.30	21.26	20.99		
3	64QAM	1	0	21.10	21.41	21.19	22	2
3	64QAM	1	8	21.46	21.50	21.44		
3	64QAM	1	14	21.29	21.07	21.35		
3	64QAM	8	0	20.20	20.25	20.22	21	3
3	64QAM	8	4	20.19	20.38	20.15		
3	64QAM	8	7	20.32	20.32	20.22		
3	64QAM	15	0	20.29	20.34	20.08		
Channel Frequency (MHz)								
1.4	QPSK	1	0	22.95	23.07	23.15		
1.4	QPSK	1	3	23.23	23.20	23.28	24	0
1.4	QPSK	1	22	22.94	22.88	22.88		
1.4	QPSK	3	0	23.09	23.09	23.17		
1.4	QPSK	3	1	23.03	22.99	23.11	23	1
1.4	QPSK	3	3	23.02	23.02	23.22		
1.4	QPSK	6	0	22.21	22.27	22.18		
1.4	16QAM	1	0	22.23	22.44	22.26	23	1
1.4	16QAM	1	3	22.58	22.62	22.62		
1.4	16QAM	1	5	22.24	22.32	22.25		
1.4	16QAM	3	0	22.32	22.29	22.17	23	1
1.4	16QAM	3	1	22.25	22.42	22.20		
1.4	16QAM	3	3	22.34	22.33	22.22		
1.4	16QAM	6	0	21.21	21.33	21.05	22	2
1.4	64QAM	1	0	21.03	21.55	21.39		
1.4	64QAM	1	3	21.47	21.42	21.38		
1.4	64QAM	1	5	21.28	21.15	21.31	22	2
1.4	64QAM	3	0	21.18	21.21	21.03		
1.4	64QAM	3	1	21.27	21.25	21.05		
1.4	64QAM	3	3	21.23	21.21	21.03		
1.4	64QAM	6	0	20.25	20.17	20.17	21	3

Band 5_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 Frequency (MHz)				20450 829	20525 838.5	20600 844		
10	QPSK	1	0	20.56	20.80	20.57	22	0
10	QPSK	1	25	20.56	20.85	20.57		
10	QPSK	1	49	20.66	20.68	20.47		
10	QPSK	25	0	20.55	20.64	20.72	22	0
10	QPSK	25	12	20.57	20.61	20.75		
10	QPSK	25	25	20.48	20.63	20.52		
10	QPSK	50	0	20.64	20.75	20.71	22	0
10	16QAM	1	0	20.62	20.79	20.66		
10	16QAM	1	25	20.70	20.68	20.80		
10	16QAM	1	49	20.69	20.66	20.72	22	0
10	16QAM	25	0	20.54	20.51	20.53		
10	16QAM	25	12	20.78	20.74	20.81		
10	16QAM	25	25	20.37	20.50	20.55	22	0
10	16QAM	50	0	20.60	20.55	20.46		
10	64QAM	1	0	20.77	20.79	20.77		
10	64QAM	1	25	20.77	20.77	20.76	22	0
10	64QAM	1	49	20.62	20.78	20.81		
10	64QAM	25	0	20.17	20.18	20.10		
10	64QAM	25	12	20.22	20.38	20.40	21.5	0.5
10	64QAM	25	25	20.02	20.16	20.11		
10	64QAM	50	0	20.15	20.09	20.08		
Channel Frequency (MHz)				20450 829.5	20525 838.5	20600 846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.44	20.70	20.50	22	0
5	QPSK	1	12	20.63	20.75	20.60		
5	QPSK	1	24	20.56	20.66	20.42		
5	QPSK	12	0	20.48	20.61	20.61	22	0
5	QPSK	12	7	20.56	20.72	20.60		
5	QPSK	12	13	20.45	20.58	20.41		
5	QPSK	25	0	20.55	20.72	20.59	22	0
5	16QAM	1	0	20.56	20.67	20.60		
5	16QAM	1	12	20.61	20.63	20.71		
5	16QAM	1	24	20.64	20.59	20.63	22	0
5	16QAM	12	0	20.47	20.40	20.46		
5	16QAM	12	7	20.69	20.68	20.72		
5	16QAM	12	13	20.32	20.38	20.43	22	0
5	16QAM	25	0	20.57	20.48	20.50		
5	64QAM	1	0	20.73	20.72	20.67		
5	64QAM	1	12	20.74	20.67	20.73	22	0
5	64QAM	1	24	20.76	20.75	20.75		
5	64QAM	12	0	20.13	20.14	19.99		
5	64QAM	12	7	20.14	20.29	20.16	21.5	0.5
5	64QAM	12	13	19.92	20.06	19.99		
5	64QAM	25	0	20.03	20.05	20.05		
Channel Frequency (MHz)				20415 824.5	20525 838.5	20635 847.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	20.44	20.75	20.46	22	0
3	QPSK	1	8	20.60	20.80	20.62		
3	QPSK	1	14	20.57	20.65	20.38		
3	QPSK	8	0	20.53	20.53	20.68	22	0
3	QPSK	8	4	20.60	20.71	20.66		
3	QPSK	8	7	20.40	20.56	20.44		
3	QPSK	15	0	20.56	20.70	20.67	22	0
3	16QAM	1	0	20.52	20.76	20.60		
3	16QAM	1	8	20.67	20.63	20.76		
3	16QAM	1	14	20.64	20.54	20.64	22	0
3	16QAM	8	0	20.52	20.39	20.51		
3	16QAM	8	4	20.73	20.63	20.69		
3	16QAM	8	7	20.33	20.38	20.47	22	0
3	16QAM	15	0	20.56	20.46	20.35		
3	16QAM	15	0	20.72	20.75	20.73		
3	64QAM	1	8	20.73	20.72	20.72	22	0
3	64QAM	1	14	20.80	20.75	20.75		
3	64QAM	8	0	20.12	20.08	20.08		
3	64QAM	8	4	20.17	20.26	20.17	21.5	0.5
3	64QAM	8	7	19.97	20.08	20.03		
3	64QAM	15	0	20.04	20.05	19.98		
Channel Frequency (MHz)				20407 824.7	20525 838.5	20643 848.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	20.54	20.75	20.51	22	0
1.4	QPSK	1	3	20.67	20.77	20.55		
1.4	QPSK	1	5	20.60	20.57	20.40		
1.4	QPSK	3	0	20.47	20.59	20.67	22	0
1.4	QPSK	3	1	20.56	20.71	20.65		
1.4	QPSK	3	3	20.45	20.53	20.46		
1.4	QPSK	6	0	20.59	20.64	20.62	22	0
1.4	16QAM	1	0	20.56	20.70	20.62		
1.4	16QAM	1	3	20.59	20.63	20.73		
1.4	16QAM	1	5	20.57	20.59	20.70	22	0
1.4	16QAM	3	0	20.43	20.48	20.46		
1.4	16QAM	3	1	20.76	20.63	20.70		
1.4	16QAM	3	3	20.29	20.44	20.43	22	0
1.4	16QAM	6	0	20.54	20.53	20.41		
1.4	16QAM	1	0	20.74	20.67	20.67		
1.4	64QAM	1	3	20.70	20.74	20.71	22	0
1.4	64QAM	1	5	20.79	20.71	20.73		
1.4	64QAM	3	0	20.72	20.64	20.63		
1.4	64QAM	3	1	20.72	20.71	20.74	21.5	0.5
1.4	64QAM	3	3	20.78	20.74	20.72		
1.4	64QAM	6	0	20.03	20.04	20.01		

Band 5_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 Frequency (MHz)								
10	QPSK	1	0	22.93	22.78	22.92	24	0
10	QPSK	1	25	21.05	23.09	22.98		
10	QPSK	1	49	22.88	22.86	22.75		
10	QPSK	25	0	21.88	21.92	21.8	23	1
10	QPSK	25	12	22.05	22.13	21.85		
10	QPSK	25	25	22.01	21.84	21.66		
10	QPSK	50	0	22.02	22.08	21.95	23	1
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13		
10	16QAM	1	49	22.16	22.02	22.23	22	2
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.96	21.03	20.98		
10	16QAM	25	25	20.8	20.9	20.68	22	2
10	16QAM	50	0	20.96	20.95	20.9		
10	64QAM	1	0	20.95	21.27	21.33	22	2
10	64QAM	1	25	21.41	21.37	21.18		
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.96	20.02	19.94	21	3
10	64QAM	25	12	20.1	20.12	20.03		
10	64QAM	25	25	19.98	19.96	19.74		
10	64QAM	50	0	19.9	20.05	19.8		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.78	22.71	22.82	24	0
5	QPSK	1	12	22.88	22.86	22.81		
5	QPSK	1	24	22.84	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77	23	1
5	QPSK	12	7	21.97	22.00	21.83		
5	QPSK	12	13	21.93	21.81	21.60		
5	QPSK	25	0	21.80	21.96	21.82	23	1
5	16QAM	1	0	21.83	22.05	22.02		
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.08	22	2
5	16QAM	12	7	20.91	20.80	20.74		
5	16QAM	12	13	20.86	20.89	20.67		
5	16QAM	25	0	20.95	20.93	20.78	22	2
5	64QAM	1	0	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07		
5	64QAM	1	24	20.80	20.82	20.81	21	3
5	64QAM	12	0	19.82	19.85	19.85		
5	64QAM	12	7	19.95	20.04	19.98		
5	64QAM	12	13	19.88	19.92	19.69		
5	64QAM	25	0	19.81	19.88	19.69		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	22.85	22.73	22.85	24	0
3	QPSK	1	8	22.90	22.97	22.89		
3	QPSK	1	14	22.88	22.78	22.60		
3	QPSK	8	0	21.77	21.80	21.67	23	1
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	21.83	21.65		
3	QPSK	15	0	21.86	22.04	21.89	23	1
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08	22	2
3	16QAM	1	14	22.15	21.88	22.15		
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.89	20.93	20.83	22	2
3	16QAM	8	7	20.74	20.78	20.69		
3	16QAM	15	0	20.88	20.85	20.68		
3	64QAM	1	0	20.95	21.23	21.29	22	2
3	64QAM	1	8	21.41	21.33	21.04		
3	64QAM	1	14	20.91	20.93	20.89		
3	64QAM	8	0	19.89	20.00	19.86	21	3
3	64QAM	8	4	20.08	20.08	19.93		
3	64QAM	8	7	19.90	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.90	22.85	22.85	24	0
1.4	QPSK	1	3	22.93	23.05	22.84		
1.4	QPSK	1	14	22.87	22.74	22.65		
1.4	QPSK	3	0	22.85	22.75	22.75	23	1
1.4	QPSK	3	3	22.95	22.82	22.73		
1.4	QPSK	3	3	22.82	22.84	22.74		
1.4	QPSK	6	0	21.89	21.90	21.90	23	1
1.4	QPSK	1	0	21.93	21.99	22.11		
1.4	16QAM	1	3	21.95	22.05	22.05		
1.4	16QAM	1	5	21.90	22.08	21.88	23	1
1.4	16QAM	3	0	21.98	22.07	21.81		
1.4	16QAM	3	3	21.94	21.94	21.75		
1.4	16QAM	3	3	21.88	22.08	21.85	22	2
1.4	16QAM	6	0	20.83	20.86	20.74		
1.4	64QAM	1	0	20.91	21.13	21.23		
1.4	64QAM	1	3	21.03	21.02	20.75	22	2
1.4	64QAM	1	5	21.00	21.04	20.82		
1.4	64QAM	3	0	20.98	20.90	20.79		
1.4	64QAM	3	1	20.91	20.92	20.88	21	3
1.4	64QAM	3	3	21.05	20.97	20.80		
1.4	64QAM	6	0	19.96	19.95	19.65		

Band 7_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 Frequency (MHz)				24100	24100	24300	12.5	0
20	QPSK	1	0	11.71	11.65	11.53		
20	QPSK	1	49	11.70	11.60	11.49		
20	QPSK	1	99	11.70	11.62	11.61		
20	QPSK	50	0	11.83	11.83	11.88	12.5	0
20	QPSK	50	24	11.84	11.85	11.90		
20	QPSK	50	50	11.83	11.84	11.86		
20	QPSK	100	0	11.82	11.83	11.71		
20	16QAM	1	0	11.85	11.83	11.85	12.5	0
20	16QAM	1	49	11.84	11.78	11.79		
20	16QAM	1	99	11.77	11.85	11.74		
20	16QAM	50	0	11.77	11.78	11.83		
20	16QAM	50	24	11.81	11.81	11.80	12.5	0
20	16QAM	50	50	11.76	11.70	11.80		
20	16QAM	100	0	11.77	11.78	11.89		
20	64QAM	1	0	11.80	11.68	11.85		
20	64QAM	1	49	11.76	11.85	11.77	12.5	0
20	64QAM	1	99	11.63	11.81	11.84		
20	64QAM	50	0	11.84	11.78	11.83		
20	64QAM	50	24	11.77	11.76	11.81		
20	64QAM	50	50	11.82	11.83	11.83	12.5	0
20	64QAM	50	100	11.80	11.84	11.77		
Channel Frequency (MHz)				26025	26100	26175	12.5	0
15	QPSK	1	0	11.65	11.60	11.47		
15	QPSK	1	37	11.74	11.84	11.75		
15	QPSK	1	74	11.68	11.75	11.55		
15	QPSK	36	0	11.72	11.77	11.62	12.5	0
15	QPSK	36	20	11.80	11.77	11.70		
15	QPSK	36	39	11.80	11.82	11.59		
15	QPSK	75	0	11.79	11.74	11.60		
15	16QAM	1	0	11.75	11.78	11.78	12.5	0
15	16QAM	1	37	11.73	11.66	11.68		
15	16QAM	1	74	11.74	11.62	11.64		
15	16QAM	36	0	11.65	11.70	11.57		
15	16QAM	36	20	11.78	11.72	11.75	12.5	0
15	16QAM	36	39	11.72	11.68	11.69		
15	16QAM	75	0	11.67	11.68	11.58		
15	64QAM	1	0	11.72	11.62	11.75		
15	64QAM	1	37	11.84	11.83	11.88	12.5	0
15	64QAM	1	74	11.73	11.69	11.77		
15	64QAM	36	0	11.77	11.74	11.56		
15	64QAM	36	20	11.73	11.73	11.71		
15	64QAM	36	39	11.67	11.72	11.79	12.5	0
15	64QAM	75	0	11.78	11.80	11.69		
Channel Frequency (MHz)				26800	27100	27400	12.5	0
10	QPSK	1	0	11.61	11.57	11.42		
10	QPSK	1	25	11.74	11.80	11.73		
10	QPSK	1	49	11.58	11.75	11.57		
10	QPSK	25	0	11.78	11.80	11.65	12.5	0
10	QPSK	25	12	11.73	11.77	11.68		
10	QPSK	25	25	11.78	11.79	11.54		
10	QPSK	50	0	11.77	11.81	11.63		
10	16QAM	1	0	11.76	11.71	11.70	12.5	0
10	16QAM	1	25	11.72	11.76	11.69		
10	16QAM	1	49	11.65	11.61	11.64		
10	16QAM	25	0	11.71	11.75	11.81		
10	16QAM	25	12	11.77	11.73	11.77	12.5	0
10	16QAM	25	25	11.73	11.66	11.72		
10	16QAM	50	0	11.65	11.72	11.67		
10	64QAM	1	0	11.73	11.63	11.83		
10	64QAM	1	25	11.67	11.81	11.68	12.5	0
10	64QAM	1	49	11.76	11.69	11.78		
10	64QAM	25	0	11.79	11.68	11.53		
10	64QAM	25	12	11.80	11.68	11.79		
10	64QAM	25	25	11.68	11.74	11.75	12.5	0
10	64QAM	50	0	11.75	11.73	11.70		
Channel Frequency (MHz)				26775	27100	27425	12.5	0
5	QPSK	1	0	11.60	11.59	11.51		
5	QPSK	1	12	11.75	11.84	11.71		
5	QPSK	1	24	11.64	11.74	11.55		
5	QPSK	12	0	11.72	11.72	11.56	12.5	0
5	QPSK	12	7	11.77	11.75	11.78		
5	QPSK	12	13	11.72	11.76	11.58		
5	QPSK	25	0	11.79	11.75	11.62		
5	16QAM	1	0	11.76	11.76	11.74	12.5	0
5	16QAM	1	12	11.76	11.76	11.70		
5	16QAM	1	24	11.69	11.58	11.72		
5	16QAM	12	0	11.75	11.74	11.59		
5	16QAM	12	7	11.73	11.72	11.74	12.5	0
5	16QAM	12	13	11.65	11.63	11.77		
5	16QAM	25	0	11.74	11.67	11.64		
5	16QAM	1	0	11.69	11.57	11.80		
5	64QAM	1	12	11.66	11.77	11.74	12.5	0
5	64QAM	1	24	11.77	11.75	11.78		
5	64QAM	12	0	11.72	11.66	11.61		
5	64QAM	12	7	11.78	11.74	11.71		
5	64QAM	12	13	11.71	11.74	11.72	12.5	0
5	64QAM	25	0	11.71	11.74	11.75		

Band 7_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 Frequency (MHz)								
20	QPSK	1	0	23.10	23.07	23.02	24	0
20	QPSK	1	49	23.13	23.15	23.17		
20	QPSK	1	99	23.11	23.11	23.07		
20	QPSK	50	0	21.92	22.05	21.88		
20	QPSK	50	24	21.95	22.11	22.01	23	1
20	QPSK	50	50	22.03	22.05	22.00		
20	QPSK	100	0	22.02	22.09	22.08		
20	16QAM	1	0	22.15	22.46	22.49		
20	16QAM	1	49	22.39	22.47	22.27	23	1
20	16QAM	1	99	22.22	22.34	22.16		
20	16QAM	50	0	21.20	21.38	21.17		
20	16QAM	50	24	21.35	21.48	21.35		
20	16QAM	50	50	21.32	21.39	21.11	22	2
20	16QAM	100	0	21.18	21.41	21.39		
20	64QAM	1	0	21.46	21.27	21.27		
20	64QAM	1	49	21.13	21.39	21.11		
20	64QAM	1	99	21.50	21.37	21.27	22	2
20	64QAM	50	0	20.26	20.30	20.18		
20	64QAM	50	24	20.31	20.40	20.25		
20	64QAM	50	50	20.35	20.36	20.15		
20	64QAM	100	0	20.28	20.43	20.13	21	3
Channel Frequency (MHz)								
15	QPSK	1	0	23.08	23.02	22.90	24	0
15	QPSK	1	37	23.09	23.09	23.08		
15	QPSK	1	74	23.06	23.08	23.01		
15	QPSK	36	0	21.87	21.99	21.83		
15	QPSK	36	20	21.95	21.96	21.88	23	1
15	QPSK	36	39	21.91	21.97	21.88		
15	QPSK	75	0	21.80	22.67	21.99		
15	16QAM	1	0	22.07	22.40	22.47		
15	16QAM	1	37	22.36	22.40	22.15	23	1
15	16QAM	1	74	22.11	22.32	22.11		
15	16QAM	36	0	21.08	21.28	21.15		
15	16QAM	36	20	21.31	21.45	21.28		
15	16QAM	36	39	21.30	21.31	21.04	22	2
15	16QAM	75	0	21.09	21.30	21.07		
15	64QAM	1	0	21.41	21.25	21.24		
15	64QAM	1	37	21.02	21.29	21.04		
15	64QAM	1	74	21.34	21.34	21.21	22	2
15	64QAM	36	0	20.22	20.25	20.11		
15	64QAM	36	20	20.21	20.31	20.18		
15	64QAM	36	39	20.24	20.28	20.04		
15	64QAM	75	0	20.22	20.31	20.09	21	3
Channel Frequency (MHz)								
10	QPSK	1	0	23.00	22.99	22.91	24	0
10	QPSK	1	25	23.05	23.05	23.04		
10	QPSK	1	49	23.06	23.00	22.99		
10	QPSK	25	0	21.86	21.97	21.82		
10	QPSK	25	12	21.84	22.09	21.94	23	1
10	QPSK	25	25	21.81	21.93	21.82		
10	QPSK	50	0	21.82	22.03	22.03		
10	16QAM	1	0	22.05	22.36	22.41		
10	16QAM	1	25	22.31	22.38	22.15	23	1
10	16QAM	1	49	22.18	22.23	22.09		
10	16QAM	25	0	21.18	21.32	21.07		
10	16QAM	25	12	21.29	21.45	21.26		
10	16QAM	25	25	21.28	21.34	21.09	22	2
10	16QAM	50	0	21.16	21.30	20.99		
10	64QAM	1	0	21.44	21.17	21.22		
10	64QAM	1	25	21.10	21.32	21.05		
10	64QAM	1	49	21.41	21.26	21.23	22	2
10	64QAM	25	0	20.14	20.20	20.15		
10	64QAM	25	12	20.28	20.33	20.19		
10	64QAM	25	25	20.25	20.25	20.07		
10	64QAM	50	0	20.22	20.38	20.04	21	3
Channel Frequency (MHz)								
5	QPSK	1	0	23.02	22.98	22.92	24	0
5	QPSK	1	1	23.08	23.13	23.07		
5	QPSK	1	24	23.07	23.06	23.03		
5	QPSK	12	0	21.81	21.94	21.82		
5	QPSK	12	7	22.02	22.03	21.89	23	1
5	QPSK	12	13	21.91	21.97	21.84		
5	QPSK	25	0	21.84	21.87	22.02		
5	16QAM	1	0	22.12	22.44	22.38		
5	16QAM	1	12	22.27	22.41	22.21	23	1
5	16QAM	1	24	22.17	22.25	22.04		
5	16QAM	12	0	21.13	21.26	21.09		
5	16QAM	12	7	21.25	21.44	21.31		
5	16QAM	12	13	21.20	21.28	21.06	22	2
5	16QAM	25	0	21.11	21.32	21.04		
5	64QAM	1	0	21.38	21.24	21.23		
5	64QAM	1	12	21.11	21.34	20.99		
5	64QAM	1	24	21.44	21.35	21.24	22	2
5	64QAM	12	0	20.24	20.26	20.12		
5	64QAM	12	7	20.26	20.33	20.17		
5	64QAM	12	13	20.27	20.37	20.13		
5	64QAM	25	0	20.16	20.38	20.09	21	3
Channel Frequency (MHz)								

Band 12_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 Frequency (MHz)									
				23000	23006	23130			
				704	707.5	711			
10	QPSK	1	0	22.80	22.72	22.84	24	0	
10	QPSK	1	25	22.98	23.01	22.93			
10	QPSK	1	49	22.93	23.03	22.89			
10	QPSK	25	0	21.66	21.83	21.80	23	1	
10	QPSK	25	12	21.68	21.88	21.80			
10	QPSK	25	25	21.80	21.87	21.83			
10	QPSK	50	0	21.79	21.98	21.95	23	1	
10	16QAM	1	0	21.74	22.37	22.08			
10	16QAM	1	25	22.11	22.11	22.57			
10	16QAM	25	0	22.92	22.98	22.73	22	2	
10	16QAM	25	12	20.72	20.98	20.84			
10	16QAM	25	25	21.00	20.92	20.94			
10	16QAM	50	0	20.96	20.92	20.79	22	2	
10	16QAM	50	0	20.84	20.88	20.90			
10	64QAM	1	0	20.86	21.22	21.22			
10	64QAM	1	25	21.37	21.40	21.35	22	2	
10	64QAM	1	49	21.33	21.14	20.96			
10	64QAM	25	0	19.82	19.93	19.86			
10	64QAM	25	12	20.10	20.06	19.99	21	3	
10	64QAM	25	25	19.99	19.94	19.94			
10	64QAM	50	0	19.95	19.94	20.00			
Channel Frequency (MHz)									
				23005	23006	23135			
				701.5	707.5	713.5			
5	QPSK	1	0	22.73	22.64	22.76	24	0	
5	QPSK	1	12	22.83	22.86	22.87			
5	QPSK	1	24	22.89	22.71	22.87			
5	QPSK	12	0	21.54	21.74	21.65	23	1	
5	QPSK	12	7	21.66	21.74	21.68			
5	QPSK	12	13	21.69	21.84	21.73			
5	QPSK	25	0	21.71	21.98	21.85	23	1	
5	16QAM	1	0	21.72	22.32	21.99			
5	16QAM	1	12	21.97	22.06	22.45			
5	16QAM	1	24	22.41	22.41	22.07	22	2	
5	16QAM	12	0	20.66	20.63	20.71			
5	16QAM	12	7	20.91	20.92	20.79			
5	16QAM	12	13	20.90	20.92	20.66	22	2	
5	16QAM	25	0	20.81	20.78	20.83			
5	64QAM	1	0	20.84	21.10	21.12			
5	64QAM	1	12	21.28	21.27	21.33	22	2	
5	64QAM	1	24	21.31	21.09	20.95			
5	64QAM	12	0	19.82	19.82	19.84			
5	64QAM	12	7	19.97	19.96	19.88	21	3	
5	64QAM	12	13	19.97	19.89	19.80			
5	64QAM	25	0	19.83	19.89	19.85			
Channel Frequency (MHz)									
				23025	23095	23165			
				701.5	707.5	714.5			
3	QPSK	1	0	22.77	22.62	22.78	24	0	
3	QPSK	1	8	22.91	22.58	22.78			
3	QPSK	1	14	22.78	22.75	22.60			
3	QPSK	8	0	21.83	21.80	21.74	23	1	
3	QPSK	8	4	21.85	21.75	21.75			
3	QPSK	8	7	21.67	21.82	21.74			
3	QPSK	15	0	21.78	21.85	21.90	23	1	
3	16QAM	1	0	21.70	22.28	22.04			
3	16QAM	1	8	21.96	22.06	22.54			
3	16QAM	1	14	22.46	22.38	22.08	22	2	
3	16QAM	8	0	20.57	20.80	20.72			
3	16QAM	8	4	20.67	20.81	20.90			
3	16QAM	8	7	20.94	20.88	20.79	22	2	
3	16QAM	15	0	20.62	20.82	20.90			
3	64QAM	1	0	20.80	21.16	21.13			
3	64QAM	1	8	21.37	21.30	21.23	22	2	
3	64QAM	1	14	21.33	21.02	20.84			
3	64QAM	8	0	19.67	19.88	19.83			
3	64QAM	8	4	20.04	19.94	19.85	21	3	
3	64QAM	8	7	19.86	19.89	19.84			
3	64QAM	15	0	19.85	19.93	19.90			
Channel Frequency (MHz)									
				23017	23095	23173			
				699.7	707.5	715.3			
1.4	QPSK	1	0	22.70	22.74	22.81	24	0	
1.4	QPSK	1	3	22.80	22.81	22.85			
1.4	QPSK	1	5	22.80	22.65	22.72			
1.4	QPSK	3	0	22.79	22.82	22.71	23	1	
1.4	QPSK	3	1	22.69	22.83	22.74			
1.4	QPSK	3	3	22.81	22.82	22.70			
1.4	QPSK	6	0	21.82	21.87	21.88	23	1	
1.4	16QAM	1	0	22.27	21.89	21.92			
1.4	16QAM	1	3	22.19	22.19	21.95			
1.4	16QAM	1	5	21.94	21.97	21.87	23	1	
1.4	16QAM	3	0	21.70	21.77	21.78			
1.4	16QAM	3	1	21.83	21.93	21.91			
1.4	16QAM	3	3	21.84	21.73	21.90	22	2	
1.4	16QAM	6	0	21.07	21.05	20.99			
1.4	64QAM	1	0	21.25	21.03	20.85			
1.4	64QAM	1	3	21.24	20.89	20.94	22	2	
1.4	64QAM	1	5	20.90	21.05	21.19			
1.4	64QAM	3	0	20.95	21.23	21.24			
1.4	64QAM	3	1	21.10	20.76	21.13	21	3	
1.4	64QAM	3	3	21.07	21.12	20.99			
1.4	64QAM	6	0	19.95	19.95	19.94			

Band 12_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 Frequency (MHz)								
				23000	23006	23130		
				704	707.5	711		
10	QPSK	1	0	22.71	22.81	22.85	24	0
10	QPSK	1	25	22.68	22.82	22.83		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.85	21.84	23	1
10	QPSK	25	12	21.53	21.84	21.79		
10	QPSK	25	25	21.73	21.88	21.86		
10	QPSK	50	0	21.86	21.75	21.73	23	1
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01		
10	16QAM	25	0	22.04	22.29	22.07	22	2
10	16QAM	25	12	20.70	20.66	20.82		
10	16QAM	25	12	20.86	20.85	20.79		
10	16QAM	25	25	20.94	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.76		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91	22	2
10	64QAM	1	49	20.93	20.94	20.85		
10	64QAM	25	0	19.88	19.79	19.75		
10	64QAM	25	12	19.91	19.90	19.81	21	3
10	64QAM	25	25	19.88	19.90	19.83		
10	64QAM	50	0	19.74	19.80	19.86		
Channel Frequency (MHz)				23005	23095	23195	Tune-up limit (dBm)	MPR (dB)
				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.80	22.58	24	0
5	QPSK	1	12	22.76	22.83	22.83		
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.84	21.64	23	1
5	QPSK	12	7	21.69	21.69	21.76		
5	QPSK	12	13	21.71	21.63	21.51		
5	QPSK	25	0	21.53	21.72	21.71	23	1
5	16QAM	1	12	21.96	22.06	22.00		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	22	2
5	16QAM	12	0	20.58	20.51	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.78	20.72	22	2
5	16QAM	25	0	20.17	20.77	20.61		
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.92	20.84	20.77	22	2
5	64QAM	1	24	20.86	20.79	20.79		
5	64QAM	12	0	19.55	19.69	19.70		
5	64QAM	12	7	19.77	19.81	19.78	21	3
5	64QAM	12	13	19.79	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.71		
Channel Frequency (MHz)				23005	23095	23186	Tune-up limit (dBm)	MPR (dB)
				707.5	707.5	714.5		
3	QPSK	1	0	22.68	22.82	22.62	24	0
3	QPSK	1	8	22.85	22.82	22.85		
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	21.41	21.63	21.58	23	1
3	QPSK	8	4	21.68	21.72	21.68		
3	QPSK	8	7	21.61	21.56	21.61		
3	16QAM	15	0	21.84	21.86	21.82	22	2
3	16QAM	15	0	22.01	22.11	21.96		
3	16QAM	1	8	22.19	22.31	21.98		
3	16QAM	1	14	21.88	21.83	21.88	22	2
3	16QAM	8	0	20.55	20.64	20.82		
3	16QAM	8	4	20.84	20.84	20.69		
3	16QAM	8	7	20.83	20.71	20.69	21	3
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.95	21.05		
3	64QAM	1	8	21.00	20.80	20.80	22	2
3	64QAM	1	14	20.85	20.82	20.81		
3	64QAM	8	0	19.64	19.70	19.71		
3	64QAM	8	4	19.87	19.77	19.80	21	3
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76		
Channel Frequency (MHz)				695.7	707.5	715.5	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.70	22.57	22.62	24	0
1.4	QPSK	1	3	22.73	22.50	22.83		
1.4	QPSK	1	6	22.68	22.73	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71	23	1
1.4	QPSK	3	1	22.82	22.82	22.74		
1.4	QPSK	3	3	22.76	22.80	22.68		
1.4	QPSK	6	0	21.70	21.81	21.64	23	1
1.4	QPSK	1	0	22.00	22.05	21.91		
1.4	16QAM	1	22.28	22.38	21.86			
1.4	16QAM	1	5	22.02	22.29	22.04	23	2
1.4	16QAM	3	0	21.99	22.03	22.02		
1.4	16QAM	3	22.03	22.11	21.85			
1.4	16QAM	3	3	21.99	22.13	22.03	22	2
1.4	16QAM	6	0	20.81	20.90	20.82		
1.4	64QAM	1	20.90	20.90	20.87			
1.4	64QAM	1	3	20.95	20.79	20.88	22	2
1.4	64QAM	1	5	20.81	20.94	20.72		
1.4	64QAM	3	20.83	20.94	21.06			
1.4	64QAM	3	1	20.86	20.99	20.96	21	3
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	6	1	19.68	19.69	19.71		



Band 13_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 Frequency (MHz)				23200			24	0	
				762					
10	QPSK	1	0		23.01		23	1	
10	QPSK	1	25		23.05				
10	QPSK	1	49		22.98				
10	QPSK	25	0		21.80				
10	QPSK	25	12		21.58				
10	QPSK	25	25		21.89		23	1	
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.25				
10	16QAM	1	25		22.37				
10	16QAM	1	49		22.43				
10	16QAM	25	0		20.98		22	2	
10	16QAM	25	12		21.15				
10	16QAM	25	25		20.96				
10	16QAM	50	0		20.96				
10	64QAM	1	0		21.15				
10	64QAM	1	25		21.08		22	2	
10	64QAM	1	49		21.32				
10	64QAM	25	0		19.90				
10	64QAM	25	12		20.08				
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.95		21	3	
Channel Frequency (MHz)				23205			24	0	
				765					
5	QPSK	1	0	22.99	22.95	22.96	23	1	
5	QPSK	1	12	22.86	22.80	22.83			
5	QPSK	1	24	22.97	22.83	22.96			
5	QPSK	12	0	21.79	21.72	21.76			
5	QPSK	12	7	21.96	21.87	21.86			
5	QPSK	12	13	21.84	21.76	21.89	23	1	
5	QPSK	25	0	21.88	21.77	21.84			
5	16QAM	1	0	22.21	22.20	22.12			
5	16QAM	1	12	22.37	22.29	22.27			
5	16QAM	1	24	22.32	22.28	22.37			
5	16QAM	12	0	20.72	20.64	20.73	22	2	
5	16QAM	12	7	21.01	21.11	21.10			
5	16QAM	12	13	20.88	20.83	20.88			
5	16QAM	25	0	20.95	20.88	20.85			
5	64QAM	1	0	21.00	21.10	21.07			
5	64QAM	1	12	21.06	21.04	21.06	22	2	
5	64QAM	1	24	21.22	21.15	21.24			
5	64QAM	12	0	19.90	19.82	19.89			
5	64QAM	12	7	20.02	19.97	20.02			
5	64QAM	12	13	19.91	19.85	19.94			
5	64QAM	25	0	19.80	19.80	19.75	21	3	

Band 13_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 Frequency (MHz)				23200					
				762					
10	QPSK	1	0		22.83		24	0	
10	QPSK	1	25		22.88				
10	QPSK	1	49		22.85				
10	QPSK	25	0		21.67				
10	QPSK	25	12		21.67				
10	QPSK	25	25		21.74		23	1	
10	QPSK	50	0		21.76				
10	16QAM	1	0		21.98				
10	16QAM	1	25		22.01				
10	16QAM	1	49		21.95				
10	16QAM	25	0		20.75		22	2	
10	16QAM	25	12		20.73				
10	16QAM	25	25		20.68				
10	16QAM	50	0		20.78				
10	64QAM	1	0		21.06				
10	64QAM	1	25		21.16		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.85				
10	64QAM	25	12		19.88				
10	64QAM	25	25		19.73				
10	64QAM	50	0		19.76		21	3	
Channel Frequency (MHz)				23205					
				765					
5	QPSK	1	0	22.82	22.73	22.93	24	0	
5	QPSK	1	12	22.81	22.85	22.74			
5	QPSK	1	24	22.72	22.80	22.79			
5	QPSK	12	0	21.53	21.81	21.80			
5	QPSK	12	7	21.85	21.87	21.83			
5	QPSK	12	13	21.05	21.73	21.67	23	1	
5	QPSK	25	0	21.75	21.65	21.62			
5	16QAM	1	0	21.93	21.85	21.89			
5	16QAM	1	12	21.94	21.87	21.91			
5	16QAM	1	24	21.91	21.89	21.89			
5	16QAM	12	0	20.70	20.66	20.69	22	2	
5	16QAM	12	7	20.64	20.68	20.76			
5	16QAM	12	13	20.57	20.67	20.58			
5	16QAM	25	0	20.77	20.75	20.75			
5	64QAM	1	0	21.04	21.02	21.05			
5	64QAM	1	12	21.16	21.06	21.16	22	2	
5	64QAM	1	24	20.85	20.91	20.82			
5	64QAM	12	0	19.70	19.71	19.79			
5	64QAM	12	7	19.85	19.74	19.78			
5	64QAM	12	13	19.72	19.69	19.64			
5	64QAM	25	0	19.67	19.66	19.75	21	3	

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.73	22.85	22.86		
10	QPSK	1	25	22.81	22.95	22.94		
10	QPSK	1	49	22.86	22.86	22.93	23	1
10	QPSK	25	0	21.80	21.77	21.72		
10	QPSK	25	12	21.83	21.90	21.93		
10	QPSK	25	25	21.81	21.84	21.75	23	1
10	QPSK	50	0	21.81	21.88	21.78		
10	16QAM	1	0	22.08	22.04	22.35		
10	16QAM	1	25	22.49	22.05	22.05	23	1
10	16QAM	1	49	22.35	22.05	22.23		
10	16QAM	25	0	20.86	20.82	20.77		
10	16QAM	25	12	20.88	20.94	20.87	22	2
10	16QAM	25	25	21.00	20.84	20.84		
10	16QAM	50	0	20.81	20.83	20.83		
10	64QAM	1	0	21.19	21.16	21.14	22	2
10	64QAM	1	25	21.39	21.27	21.21		
10	64QAM	1	49	21.12	21.16	21.09		
10	64QAM	25	0	19.94	19.88	19.89	21	3
10	64QAM	25	12	20.00	19.92	19.98		
10	64QAM	25	25	19.95	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.58	22.72	22.86	24	0
5	QPSK	1	12	22.87	22.86	22.86		
5	QPSK	1	24	22.74	22.76	22.85		
5	QPSK	12	0	21.74	21.7	21.67	23	1
5	QPSK	12	7	21.75	21.78	21.8		
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.76	21.82	21.65	23	1
5	16QAM	1	0	22.04	22.01	22.28		
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14	22	2
5	16QAM	12	0	20.79	20.69	20.74		
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82	22	2
5	16QAM	25	0	20.76	20.68	20.68		
5	64QAM	1	0	21.11	21.09	21.09		
5	64QAM	1	12	21.32	21.18	21.07	22	2
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76		
5	64QAM	12	7	19.98	19.86	19.84	21	3
5	64QAM	12	13	19.8	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.69	22.72	22.82		
10	QPSK	1	25	22.81	22.88	22.82		
10	QPSK	1	49	22.72	22.70	22.75	23	1
10	QPSK	25	0	21.64	21.73	21.59		
10	QPSK	25	12	21.73	21.78	21.77		
10	QPSK	25	25	21.69	21.74	21.64	23	1
10	QPSK	50	0	21.70	21.72	21.66		
10	16QAM	1	0	21.80	22.07	22.15		
10	16QAM	1	25	21.76	22.04	21.89	23	1
10	16QAM	1	49	22.10	22.09	21.91		
10	16QAM	25	0	20.78	20.73	20.73		
10	16QAM	25	12	20.79	20.79	20.76	22	2
10	16QAM	25	25	20.79	20.72	20.71		
10	16QAM	50	0	20.81	20.78	20.71		
10	64QAM	1	0	20.92	20.73	21.10	22	2
10	64QAM	1	25	20.91	21.18	20.96		
10	64QAM	1	49	20.79	20.93	21.08		
10	64QAM	25	0	19.76	19.80	19.76	21	3
10	64QAM	25	12	19.86	19.90	19.89		
10	64QAM	25	25	19.87	19.83	19.67		
10	64QAM	50	0	19.89	19.79	19.69	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.64	22.82	22.80	24	0
5	QPSK	1	12	22.71	22.80	22.79		
5	QPSK	1	24	22.57	22.81	22.8		
5	QPSK	12	0	21.60	21.71	21.45	23	1
5	QPSK	12	7	21.59	21.72	21.64		
5	QPSK	12	13	21.62	21.69	21.62		
5	QPSK	25	0	21.66	21.69	21.53	23	1
5	16QAM	1	0	21.69	22.03	22.13		
5	16QAM	1	12	21.64	21.94	21.81		
5	16QAM	1	24	22.03	22.07	21.88	22	2
5	16QAM	12	0	20.66	20.70	20.68		
5	16QAM	12	7	20.75	20.74	20.72		
5	16QAM	12	13	20.85	20.69	20.68	22	2
5	16QAM	25	0	20.73	20.77	20.65		
5	64QAM	1	0	20.80	20.81	21.09		
5	64QAM	1	12	20.84	21.08	20.92	22	2
5	64QAM	1	24	20.64	20.81	21.05		
5	64QAM	12	0	19.72	19.76	19.65		
5	64QAM	12	7	19.93	19.78	19.78	21	3
5	64QAM	12	13	19.73	19.68	19.60		
5	64QAM	25	0	19.79	19.66	19.61		

Band 18_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 Frequency (MHz)				23925	822.5					
15	QPSK	1	0		20.44		22	0		
15	QPSK	1	37		20.14					
15	QPSK	1	74		20.50					
15	QPSK	36	0		20.61		22	0		
15	QPSK	36	20		20.13					
15	QPSK	36	39		20.59					
15	QPSK	75	0		20.72		22	0		
15	16QAM	1	0		20.70					
15	16QAM	1	37		20.69					
15	16QAM	1	74		20.65		22	0		
15	16QAM	36	0		20.65					
15	16QAM	36	20		20.70					
15	16QAM	36	39		20.64		22	0		
15	16QAM	75	0		20.57					
15	64QAM	1	0		20.65					
15	64QAM	1	37		20.53		22	0		
15	64QAM	1	74		20.50					
15	64QAM	36	0		20.26					
15	64QAM	36	20		20.18		21.5	0.5		
15	64QAM	36	39		20.24					
15	64QAM	75	0		20.11					
Channel Frequency (MHz)				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.39	20.32	20.32	22	0		
10	QPSK	1	25	20.69	20.67	20.66				
10	QPSK	1	49	20.40	20.40	20.43				
10	QPSK	25	0	20.56	20.55	20.50	22	0		
10	QPSK	25	12	20.67	20.62	20.69				
10	QPSK	25	25	20.55	20.49	20.51				
10	QPSK	50	0	20.68	20.70	20.61	22	0		
10	16QAM	1	0	20.67	20.64	20.60				
10	16QAM	1	25	20.57	20.65	20.60				
10	16QAM	1	49	20.55	20.61	20.57	22	0		
10	16QAM	25	0	20.62	20.57	20.58				
10	16QAM	25	12	20.64	20.66	20.58				
10	16QAM	25	25	20.58	20.52	20.57	21.5	0.5		
10	16QAM	50	0	20.47	20.49	20.51				
10	64QAM	1	0	20.61	20.56	20.60				
10	64QAM	1	25	20.49	20.51	20.48	22	0		
10	64QAM	1	49	20.39	20.39	20.40				
10	64QAM	25	0	20.21	20.24	20.20				
10	64QAM	25	12	20.11	20.09	20.06	21.5	0.5		
10	64QAM	25	25	20.22	20.22	20.13				
10	64QAM	50	0	20.02	20.00	20.03				
Channel Frequency (MHz)				23975	23925	23975	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.41	20.40	20.33	22	0		
5	QPSK	1	12	20.64	20.69	20.72				
5	QPSK	1	24	20.63	20.63	20.63				
5	QPSK	12	0	20.54	20.57	20.59	22	0		
5	QPSK	12	7	20.63	20.71	20.61				
5	QPSK	12	13	20.55	20.54	20.48				
5	QPSK	25	0	20.67	20.69	20.60	22	0		
5	16QAM	1	0	20.68	20.64	20.63				
5	16QAM	1	12	20.57	20.58	20.60				
5	16QAM	1	24	20.57	20.62	20.55	22	0		
5	16QAM	12	0	20.58	20.60	20.61				
5	16QAM	12	7	20.60	20.65	20.65				
5	16QAM	12	13	20.60	20.59	20.59	22	0		
5	16QAM	25	0	20.54	20.53	20.48				
5	64QAM	1	0	20.53	20.55	20.61				
5	64QAM	1	12	20.49	20.48	20.51	22	0		
5	64QAM	1	24	20.44	20.44	20.46				
5	64QAM	12	0	20.19	20.19	20.24				
5	64QAM	12	7	20.10	20.11	20.11	21.5	0.5		
5	64QAM	12	13	20.22	20.20	20.13				
5	64QAM	25	0	20.09	20.09	20.04				

Band 18_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 Frequency (MHz)				23925	822.5					
15	QPSK	1	0		22.76		24	0		
15	QPSK	1	37		22.53					
15	QPSK	1	74		22.89					
15	QPSK	36	0		21.88		23	1		
15	QPSK	36	20		21.96					
15	QPSK	36	39		21.88					
15	QPSK	75	0		21.91		23	1		
15	16QAM	1	0		22.12					
15	16QAM	1	37		22.50					
15	16QAM	36	74		22.06		22	2		
15	16QAM	36	0		20.94					
15	16QAM	36	20		20.99					
15	16QAM	36	39		21.01		22	2		
15	16QAM	75	0		20.95					
15	64QAM	1	0		20.95					
15	64QAM	1	37		21.33		22	2		
15	64QAM	1	74		21.21					
15	64QAM	36	0		19.93					
15	64QAM	36	20		19.97		21	3		
15	64QAM	36	39		19.99					
15	64QAM	75	0		19.93					
Channel Frequency (MHz)				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.61	22.64	22.74	24	0		
10	QPSK	1	25	22.83	22.87	22.85				
10	QPSK	1	49	22.75	22.84	22.81				
10	QPSK	25	0	21.84	21.81	21.86	23	1		
10	QPSK	25	12	21.87	21.86	21.83				
10	QPSK	25	25	21.76	21.73	21.75				
10	QPSK	50	0	21.77	21.82	21.88	23	1		
10	16QAM	1	0	22.09	22.05	22.12				
10	16QAM	1	25	22.44	22.40	22.48				
10	16QAM	1	49	22.03	21.99	22.04	22	2		
10	16QAM	25	0	20.92	20.99	20.89				
10	16QAM	25	12	20.94	20.87	20.99				
10	16QAM	25	25	21.01	20.95	21.01	21	3		
10	16QAM	50	0	20.81	20.94	20.81				
10	64QAM	1	0	21.05	21.00	21.05				
10	64QAM	1	25	21.27	21.32	21.29	22	2		
10	64QAM	1	49	21.17	21.18	21.11				
10	64QAM	25	0	19.88	19.86	19.80				
10	64QAM	25	12	19.90	19.88	19.92	21	3		
10	64QAM	25	25	19.84	19.88	19.84				
10	64QAM	50	0	19.87	19.86	19.92				
Channel Frequency (MHz)				23975	23925	23975	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.62	22.65	22.65	24	0		
5	QPSK	1	12	22.86	22.84	22.85				
5	QPSK	1	24	22.79	22.74	22.83				
5	QPSK	12	0	21.87	21.87	21.81	23	1		
5	QPSK	12	7	21.93	21.81	21.84				
5	QPSK	12	13	21.74	21.85	21.75				
5	QPSK	25	0	21.82	21.81	21.90	23	1		
5	16QAM	1	0	21.99	22.04	22.00				
5	16QAM	1	12	22.35	22.46	22.36				
5	16QAM	1	24	22.03	22.02	21.96	22	2		
5	16QAM	12	0	20.81	20.93	20.94				
5	16QAM	12	7	20.92	20.93	20.84				
5	16QAM	12	13	20.95	20.95	20.95	22	2		
5	16QAM	25	0	20.92	20.85	20.87				
5	64QAM	1	0	20.85	20.92	20.85				
5	64QAM	1	12	21.23	21.21	21.24	22	2		
5	64QAM	1	24	21.16	21.13	21.08				
5	64QAM	12	0	19.85	19.90	19.86				
5	64QAM	12	7	19.82	19.87	19.93	21	3		
5	64QAM	12	13	19.91	19.87	19.89				
5	64QAM	25	0	19.83	19.87	19.86				

Band 19_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 Frequency (MHz)				837.5	24075	24100				
15	QPSK	1	0		20.08		21.5	0		
15	QPSK	1	37		20.10					
15	QPSK	1	74		20.09					
15	QPSK	36	0		20.05		21.5	0		
15	QPSK	36	20		20.09					
15	QPSK	36	39		20.06					
15	QPSK	75	0		20.07		21.5	0		
15	16QAM	1	0		20.03					
15	16QAM	1	37		20.09					
15	16QAM	1	74		20.06		21.5	0		
15	16QAM	36	0		20.05					
15	16QAM	36	20		20.02					
15	16QAM	36	39		20.04		21.5	0		
15	16QAM	75	0		20.07					
15	64QAM	1	0		20.06					
15	64QAM	1	37		20.09		21.5	0		
15	64QAM	1	74		20.02					
15	64QAM	36	0		20.06					
15	64QAM	36	20		20.01		21.5	0		
15	64QAM	36	39		20.02					
15	64QAM	75	0		20.01					
Channel Frequency (MHz)				24050	24075	24100	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.00	19.98	20.04	21.5	0		
10	QPSK	1	25	20.04	20.02	20.02				
10	QPSK	1	49	19.99	19.99	20.02				
10	QPSK	25	0	20.00	20.03	20.00	21.5	0		
10	QPSK	25	12	20.00	20.00	20.06				
10	QPSK	25	25	20.03	20.03	19.94				
10	QPSK	50	0	19.95	20.02	20.01	21.5	0		
10	16QAM	1	0	19.91	19.98	19.91				
10	16QAM	1	25	20.04	20.00	19.99				
10	16QAM	1	49	20.02	20.02	20.01	21.5	0		
10	16QAM	25	0	20.01	19.99	19.96				
10	16QAM	25	12	19.97	19.94	19.90				
10	16QAM	25	25	19.95	19.95	19.95	21.5	0		
10	64QAM	1	0	19.95	20.03	19.98				
10	64QAM	1	25	19.97	20.07	20.00				
10	64QAM	1	49	19.96	19.98	20.00	21.5	0		
10	64QAM	25	0	19.96	20.02	19.95				
10	64QAM	25	12	19.95	19.95	19.99				
10	64QAM	25	25	19.98	19.98	19.97	21.5	0		
10	64QAM	50	0	19.90	19.95	19.95				
Channel Frequency (MHz)				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0		20.01	19.96	21.5	0		
5	QPSK	1	12		20.01	20.08				
5	QPSK	1	24		20.01	20.04				
5	QPSK	12	0		19.99	19.99	21.5	0		
5	QPSK	12	7		20.07	20.00				
5	QPSK	12	13		19.99	20.01				
5	QPSK	25	0		19.99	19.98	21.5	0		
5	16QAM	1	0		20.00	19.97				
5	16QAM	1	12		20.07	20.02				
5	16QAM	1	24		19.99	19.96	21.5	0		
5	16QAM	12	0		19.95	20.01				
5	16QAM	12	7		19.91	19.95				
5	16QAM	12	13		20.00	19.99	21.5	0		
5	16QAM	25	0		19.98	19.99				
5	16QAM	1	0		19.98	19.99				
5	64QAM	1	12		19.98	20.02	21.5	0		
5	64QAM	1	24		19.94	19.99				
5	64QAM	12	0		19.96	19.99				
5	64QAM	12	7		19.90	19.89	21.5	0		
5	64QAM	12	13		19.90	19.95				
5	64QAM	25	0		19.95	19.95				

Band 19_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 Frequency (MHz)				24075	837.5	24075				
15	QPSK	1	0		22.75		24	0		
15	QPSK	1	37		22.32					
15	QPSK	1	74		22.73					
15	QPSK	36	0		21.90		23	1		
15	QPSK	36	20		21.97					
15	QPSK	36	39		21.95					
15	QPSK	75	0		21.92		23	1		
15	16QAM	1	0		22.03					
15	16QAM	1	37		22.10					
15	16QAM	36	74		21.80		22	2		
15	16QAM	36	0		20.91					
15	16QAM	36	20		21.03					
15	16QAM	36	39		20.87		22	2		
15	16QAM	75	0		20.99					
15	64QAM	1	0		20.96		22	2		
15	64QAM	1	37		20.89					
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.05		21	3		
15	64QAM	36	20		20.00					
15	64QAM	36	39		19.99					
15	64QAM	75	0		20.00		Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				24050	835	24100	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.74	22.74	22.72	24	0		
10	QPSK	1	25	22.76	22.81	22.81				
10	QPSK	1	49	22.67	22.61	22.73				
10	QPSK	25	0	21.86	21.89	21.75	23	1		
10	QPSK	25	12	21.95	21.88	21.92				
10	QPSK	25	25	21.81	21.91	21.95				
10	QPSK	50	0	21.81	21.86	21.84	23	1		
10	16QAM	1	0	21.95	22.00	21.98				
10	16QAM	1	25	21.99	22.03	22.09				
10	16QAM	1	49	21.65	21.69	21.70	22	2		
10	16QAM	25	0	20.84	20.79	20.81				
10	16QAM	25	12	20.89	20.98	21.02				
10	16QAM	25	25	20.83	20.78	20.84	22	2		
10	64QAM	1	0	20.84	20.88	20.94				
10	64QAM	1	25	20.89	20.76	20.78				
10	64QAM	1	49	20.65	21.01	20.86	21	3		
10	64QAM	25	0	20.02	20.04	19.97				
10	64QAM	25	12	19.92	19.99	19.90				
10	64QAM	25	25	19.84	19.77	19.85	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				24025	832.5	24125	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.63	22.68	22.68	24	0		
5	QPSK	1	12	22.87	22.85	22.84				
5	QPSK	1	24	22.65	22.63	22.58				
5	QPSK	12	0	21.81	21.87	21.89	23	1		
5	QPSK	12	7	21.93	21.94	21.90				
5	QPSK	12	13	21.80	21.81	21.89				
5	QPSK	25	0	21.82	21.85	21.87	23	1		
5	16QAM	1	0	22.02	22.03	22.02				
5	16QAM	1	12	21.98	22.06	21.95				
5	16QAM	1	24	21.63	21.59	21.57	22	2		
5	16QAM	12	0	20.87	20.76	20.85				
5	16QAM	12	7	20.95	21.00	20.94				
5	16QAM	12	13	20.72	20.82	20.73	22	2		
5	16QAM	25	0	20.78	20.81	20.78				
5	16QAM	1	0	20.82	20.84	20.84				
5	64QAM	1	12	20.84	20.76	20.86	21	3		
5	64QAM	1	24	20.90	20.95	20.97				
5	64QAM	12	0	20.01	19.94	19.94				
5	64QAM	12	7	19.91	19.98	20.00	21	3		
5	64QAM	12	13	19.81	19.81	19.75				
5	64QAM	25	0	19.87	19.85	19.97				

Band 26_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 Frequency (MHz)				26705	26665	26665		
26705				831.5	831.5	841.5		
15	QPSK	1	0	20.63	21.03	21.01	22	0
15	QPSK	1	37	21.14	21.13	21.13		
15	QPSK	1	74	20.89	20.98	21.04		
15	QPSK	36	0	20.98	21.04	20.98		
15	QPSK	36	20	21.15	21.13	21.13	22	0
15	QPSK	36	36	21.08	20.98	20.94		
15	QPSK	75	0	21.13	21.15	21.11		
15	16QAM	1	0	21.10	21.13	21.12		
15	16QAM	1	37	21.11	21.11	21.11	22	0
15	16QAM	1	74	21.10	21.10	21.12		
15	16QAM	36	0	20.92	21.12	21.09		
15	16QAM	36	20	21.12	21.15	21.13		
15	16QAM	75	0	21.03	21.08	21.05	22	0
15	16QAM	75	0	21.01	21.11	20.95		
15	64QAM	1	0	21.08	21.13	21.09		
15	64QAM	1	37	21.08	21.15	21.13		
15	64QAM	1	74	21.08	21.13	21.14	22	0
15	64QAM	36	0	20.91	20.91	20.92		
15	64QAM	36	20	20.90	20.96	20.91		
15	64QAM	75	0	20.93	20.71	20.95		
15	64QAM	75	0	20.48	20.59	20.44	21.5	0.5
Channel Frequency (MHz)				26740	26685	26685		
26740				819	831.5	844		
10	QPSK	1	0	20.81	20.93	20.91	22	0
10	QPSK	1	25	21.1	21.07	21.13		
10	QPSK	1	49	20.78	20.97	20.99		
10	QPSK	25	0	20.94	21	20.92		
10	QPSK	25	12	21.01	21.13	21.08	22	0
10	QPSK	25	25	20.99	20.92	20.92		
10	QPSK	50	0	21.04	21.11	21.04		
10	16QAM	1	0	20.98	21.07	21.07		
10	16QAM	1	25	21.07	21.09	21	22	0
10	16QAM	1	49	21.05	21.07	21.09		
10	16QAM	25	0	20.84	21	21.05		
10	16QAM	25	12	21.1	21.05	21.07		
10	16QAM	25	25	20.98	21.01	20.99	22	0
10	16QAM	50	0	20.92	21.09	21.09		
10	64QAM	1	0	20.99	21.02	21.04		
10	64QAM	1	25	20.97	21.04	21.08		
10	64QAM	1	49	21.05	21.02	21.06	22	0
10	64QAM	25	0	20.39	20.53	20.55		
10	64QAM	25	12	20.49	20.54	20.57		
10	64QAM	25	25	20.51	20.66	20.33		
10	64QAM	50	0	20.41	20.56	20.38	21.5	0.5
Channel Frequency (MHz)				26715	26685	27015		
26715				831.5	831.5	846.5		
5	QPSK	1	0	20.71	20.91	20.99	22	0
5	QPSK	1	12	21.11	21.1	21.03		
5	QPSK	1	24	20.96	20.9	20.94		
5	QPSK	12	0	20.86	20.92	20.95		
5	QPSK	12	7	21.08	21.09	21.08	22	0
5	QPSK	12	13	21.05	20.92	20.9		
5	QPSK	25	0	21.08	21.08	21.08		
5	16QAM	1	0	21.02	21.08	21.07		
5	16QAM	1	12	20.99	21.03	21.09	22	0
5	16QAM	1	24	21.03	21.03	21.05		
5	16QAM	12	0	20.86	21.1	21.05		
5	16QAM	12	7	21.03	21.03	21.03		
5	16QAM	12	13	20.99	20.99	21.01	22	0
5	16QAM	25	0	20.99	21.05	20.8		
5	16QAM	25	0	20.99	21.07	21.02		
5	64QAM	1	12	21.05	21.05	21.07		
5	64QAM	1	24	21.01	21.09	21.05	22	0
5	64QAM	12	0	20.39	20.51	20.55		
5	64QAM	12	7	20.46	20.57	20.53		
5	64QAM	12	13	20.45	20.59	20.79		
5	64QAM	25	0	20.44	20.49	20.4	21.5	0.5
Channel Frequency (MHz)				26705	26685	27025		
26705				831.5	831.5	842.5		
3	QPSK	1	0	20.74	20.95	20.9	22	0
3	QPSK	1	8	21.05	21.14	21.03		
3	QPSK	1	14	20.76	20.88	20.92		
3	QPSK	8	0	20.93	21.02	20.97		
3	QPSK	8	4	21	21.06	21.1	22	0
3	QPSK	8	7	21.05	20.9	20.92		
3	QPSK	15	0	21.09	21.09	21.09		
3	16QAM	1	0	21.02	21.05	21.08		
3	16QAM	1	8	21.06	21.05	21.02	22	0
3	16QAM	1	14	21.08	20.99	21.07		
3	16QAM	8	0	20.86	21.02	21.03		
3	16QAM	8	4	21.05	21.06	21.06		
3	16QAM	8	7	20.94	20.97	20.96	22	0
3	16QAM	15	0	20.96	21.04	20.76		
3	64QAM	1	0	21.03	21.1	21.03		
3	64QAM	1	8	21.01	21.1	21.05		
3	64QAM	1	14	20.98	21.07	21.1	22	0
3	64QAM	8	0	20.41	20.53	20.54		
3	64QAM	8	4	20.52	20.58	20.59		
3	64QAM	8	7	20.48	20.67	20.35		
3	64QAM	15	0	20.44	20.49	20.32	21.5	0.5
Channel Frequency (MHz)				26697	26685	27033		
26697				831.5	831.5	843		
1.4	QPSK	1	0	20.72	21.01	20.95	22	0
1.4	QPSK	1	3	21.10	21.07	21.12		
1.4	QPSK	1	5	20.79	20.86	21.01		
1.4	QPSK	3	0	20.88	20.96	20.88		
1.4	QPSK	3	1	21.06	21.13	21.09	22	0
1.4	QPSK	3	3	21.04	20.88	20.91		
1.4	QPSK	6	0	21.08	21.08	21.03		
1.4	16QAM	1	0	21.07	21.10	21.10		
1.4	16QAM	1	3	20.99	21.01	21.08	22	0
1.4	16QAM	1	5	21.06	21.02	21.10		
1.4	16QAM	3	0	20.88	21.08	20.99		
1.4	16QAM	3	1	21.10	21.03	21.02		
1.4	16QAM	3	3	20.96	20.96	21.02	22	0
1.4	16QAM	6	0	20.89	21.01	20.73		
1.4	64QAM	1	0	21.06	21.06	21.05		
1.4	64QAM	1	3	21.01	21.09	21.05		
1.4	64QAM	1	5	21.02	21.02	21.02	22	0
1.4	64QAM	3	0	21.04	21.04	21.06		
1.4	64QAM	3	1	21.05	21.05	21.07		
1.4	64QAM	3	3	21.06	20.98	21.01		
1.4	64QAM	6	0	20.44	20.52	20.40	21.5	0.5
Channel Frequency (MHz)				26697	26685	27033		
26697				831.5	831.5	843		

Band 26_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 Frequency (MHz)										
15	QPSK	1	0	22.84	22.89	22.89	24	0		
15	QPSK	1	37	23.08	23.15	23.00				
15	QPSK	1	74	22.91	22.91	22.89				
15	QPSK	36	0	21.83	21.92	21.83				
15	QPSK	36	20	22.04	22.05	21.97	23	1		
15	QPSK	36	56	21.95	22.01	21.88				
15	QPSK	75	0	21.97	22.02	21.94				
15	16QAM	1	0	22.25	22.29	22.21				
15	16QAM	1	37	22.38	22.48	22.39	23	1		
15	16QAM	1	74	22.21	22.27	22.20				
15	16QAM	36	0	20.97	20.99	20.91				
15	16QAM	36	20	21.06	21.08	21.08				
15	16QAM	75	0	20.91	20.97	20.89	22	2		
15	16QAM	75	0	20.97	21.03	20.99				
15	64QAM	1	0	21.10	21.05	21.06				
15	64QAM	1	37	21.40	21.46	21.39				
15	64QAM	1	74	21.08	21.05	21.04	22	2		
15	64QAM	36	0	19.96	20.06	20.06				
15	64QAM	36	20	19.99	20.09	19.95				
15	64QAM	75	0	19.86	19.97	19.84				
15	64QAM	75	0	19.86	19.94	19.79	21	3		
Channel Frequency (MHz)										
26740									26685	26685
10	QPSK	1	0	22.81	22.79	22.78	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	25	22.98	23.08	22.84	24	0		
10	QPSK	1	49	22.82	22.76	22.85	23	1		
10	QPSK	25	0	21.77	21.85	21.75				
10	QPSK	25	12	21.96	21.91	21.82				
10	QPSK	25	25	21.95	21.97	21.78				
10	QPSK	50	0	22.22	22.33	21.81	23	1		
10	16QAM	1	0	22.22	22.31	22.16				
10	16QAM	1	25	22.36	22.45	22.36				
10	16QAM	1	49	22.20	22.21	22.14				
10	16QAM	25	0	20.88	20.98	20.81	22	2		
10	16QAM	25	12	20.97	20.99	20.97				
10	16QAM	25	25	20.83	20.83	20.85				
10	16QAM	50	0	20.86	20.95	20.58				
10	64QAM	1	0	21.01	20.92	20.94	22	2		
10	64QAM	1	25	21.38	21.32	21.24				
10	64QAM	1	49	21.06	20.91	20.91				
10	64QAM	25	0	19.95	19.95	19.91				
10	64QAM	25	12	19.86	19.84	19.88	21	3		
10	64QAM	25	25	19.74	19.90	19.70				
10	64QAM	50	0	19.86	19.79	19.66				
Channel Frequency (MHz)									26685	26685
5	QPSK	1	0	22.81	22.86	22.85	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	12	22.95	23.02	22.89	24	0		
5	QPSK	1	24	22.79	22.91	22.82				
5	QPSK	12	0	21.76	21.77	21.82				
5	QPSK	12	7	22.04	21.99	21.90				
5	QPSK	12	13	21.80	21.90	21.78	23	1		
5	QPSK	25	0	21.84	21.86	21.86				
5	16QAM	1	0	22.16	22.19	22.14				
5	16QAM	1	12	22.30	22.34	22.24				
5	16QAM	1	24	22.18	22.23	22.11	23	1		
5	16QAM	12	0	20.92	20.95	20.84				
5	16QAM	12	7	21.00	20.94	20.98				
5	16QAM	12	13	20.91	20.82	20.76				
5	16QAM	25	0	20.97	20.95	20.88	22	2		
5	64QAM	1	0	21.09	21.07	21.05				
5	64QAM	1	12	21.40	21.32	21.27				
5	64QAM	1	24	21.00	21.02	21.05				
5	64QAM	12	0	19.93	19.94	19.94	21	3		
5	64QAM	12	7	19.86	19.89	19.81				
5	64QAM	12	13	19.86	19.86	19.70				
5	64QAM	25	0	19.84	19.83	19.76				
Channel Frequency (MHz)							26685	26685		
3	QPSK	1	0	22.75	22.85	22.89	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	8	22.97	23.07	22.87	24	0		
3	QPSK	1	14	22.89	22.98	22.86				
3	QPSK	8	0	21.81	21.82	21.83				
3	QPSK	8	4	21.96	21.84	21.89				
3	QPSK	8	7	21.87	21.84	21.84	23	1		
3	QPSK	15	0	21.92	21.86	21.81				
3	16QAM	1	0	22.14	22.17	22.12				
3	16QAM	1	8	22.28	22.43	22.24				
3	16QAM	1	14	22.13	22.12	22.12	23	1		
3	16QAM	8	0	20.89	20.89	20.82				
3	16QAM	8	4	20.93	21.08	21.07				
3	16QAM	8	7	20.90	20.90	20.86				
3	16QAM	15	0	20.85	20.84	20.87	22	2		
3	64QAM	1	0	20.96	21.04	21.01				
3	64QAM	1	8	21.33	21.43	21.24				
3	64QAM	1	14	21.00	21.00	20.95				
3	64QAM	8	0	19.82	19.97	20.02	21	3		
3	64QAM	8	4	19.92	19.97	19.80				
3	64QAM	8	7	19.86	19.84	19.70				
3	64QAM	15	0	19.85	19.87	19.71				
Channel Frequency (MHz)							26687	26685		
1.4	QPSK	1	0	22.78	23.15	22.86	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	23.00	23.02	22.97	24	0		
1.4	QPSK	1	5	22.91	22.78	22.89				
1.4	QPSK	3	0	22.82	22.86	22.88				
1.4	QPSK	3	1	22.80	22.88	22.77				
1.4	QPSK	3	3	22.83	22.80	22.83	23	1		
1.4	QPSK	6	0	21.84	21.88	21.94				
1.4	16QAM	1	0	22.24	22.28	22.14				
1.4	16QAM	1	3	22.37	22.46	22.24				
1.4	16QAM	1	5	22.19	22.25	22.11	23	1		
1.4	16QAM	3	0	22.12	22.18	22.14				
1.4	16QAM	3	1	22.18	22.18	22.18				
1.4	16QAM	3	3	22.13	22.22	22.05				
1.4	16QAM	6	0	20.84	20.96	20.90	22	2		
1.4	16QAM	6	0	21.02	20.99	20.96				
1.4	64QAM	1	3	21.34	21.33	21.31				
1.4	64QAM	1	5	20.99	21.03	21.04				
1.4	64QAM	3	0	20.92	20.95	21.01	22	2		
1.4	64QAM	3	1	20.98	20.95	20.95				
1.4	64QAM	3	3	21.03	20.94	20.96				
1.4	64QAM	6	0	19.85	19.90	19.87				
1.4	64QAM	6	0	19.85	19.90	19.87	21	3		

Band 66_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								
Frequency (MHz)								
20	QPSK	1	0	14.11	14.14	13.93	15	0
20	QPSK	1	49	14.10	14.30	14.18		
20	QPSK	1	99	13.80	13.85	13.81		
20	QPSK	50	0	14.18	14.24	14.14		
20	QPSK	50	24	14.21	14.29	14.23	15	0
20	QPSK	50	50	14.16	14.26	14.20		
20	QPSK	100	0	14.09	14.21	14.11		
20	16QAM	1	0	14.18	14.13	14.11		
20	16QAM	1	49	14.22	14.12	14.19	15	0
20	16QAM	1	99	14.24	14.23	14.22		
20	16QAM	50	0	14.17	14.21	14.18		
20	16QAM	50	24	14.22	14.25	14.12		
20	16QAM	50	50	14.23	14.08	14.10	15	0
20	16QAM	100	0	14.21	14.09	14.15		
20	64QAM	1	0	14.13	14.15	14.24		
20	64QAM	1	49	14.15	14.19	14.13		
20	64QAM	1	99	14.26	14.25	14.22	15	0
20	64QAM	50	0	14.14	14.25	14.24		
20	64QAM	50	24	14.20	14.13	14.20		
20	64QAM	50	50	14.12	14.19	14.23		
20	64QAM	100	0	14.14	14.18	14.18	15	0
Channel								
Frequency (MHz)								
15	QPSK	1	0	14.01	14.03	13.82	15	0
15	QPSK	1	37	14.11	14.22	14.14		
15	QPSK	1	74	13.76	13.78	13.79		
15	QPSK	36	0	14.08	14.15	14.03		
15	QPSK	36	20	14.16	14.18	14.20	15	0
15	QPSK	36	39	14.13	14.23	14.19		
15	QPSK	75	0	13.98	14.11	13.99		
15	16QAM	1	0	14.16	14.06	14.02		
15	16QAM	1	37	14.16	14.00	14.15	15	0
15	16QAM	1	74	14.14	14.20	14.20		
15	16QAM	36	0	14.15	14.11	14.15		
15	16QAM	36	20	14.20	14.18	14.10		
15	16QAM	36	39	14.12	14.03	14.07	15	0
15	16QAM	75	0	14.13	14.07	14.08		
15	64QAM	1	0	14.03	14.04	14.15		
15	64QAM	1	37	14.06	14.12	14.06		
15	64QAM	1	74	14.14	14.16	14.12	15	0
15	64QAM	36	0	14.12	14.15	14.19		
15	64QAM	36	20	14.17	14.07	14.09		
15	64QAM	36	39	14.03	14.10	14.16		
15	64QAM	75	0	14.07	14.13	14.13	15	0
Channel								
Frequency (MHz)								
10	QPSK	1	0	14.03	14.03	13.83	15	0
10	QPSK	1	25	14.08	14.26	14.16		
10	QPSK	1	49	13.65	13.76	13.78		
10	QPSK	25	0	14.15	14.14	14.08		
10	QPSK	25	12	14.19	14.22	14.11	15	0
10	QPSK	25	25	14.14	14.15	14.16		
10	QPSK	50	0	14.00	14.11	14.04		
10	16QAM	1	0	14.13	14.03	13.99		
10	16QAM	1	25	14.11	14.07	14.09	15	0
10	16QAM	1	49	14.14	14.17	14.11		
10	16QAM	25	0	14.11	14.13	14.13		
10	16QAM	25	12	14.13	14.17	14.13		
10	16QAM	25	25	14.19	14.06	14.04	15	0
10	16QAM	50	0	14.12	14.07	14.08		
10	64QAM	1	0	14.09	14.11	14.14		
10	64QAM	1	25	14.07	14.11	14.11		
10	64QAM	1	49	14.16	14.21	14.14	15	0
10	64QAM	25	0	14.02	14.20	14.19		
10	64QAM	25	12	14.18	14.11	14.11		
10	64QAM	25	25	14.09	14.10	14.11		
10	64QAM	50	0	14.11	14.11	14.12	15	0
Channel								
Frequency (MHz)								
5	QPSK	1	0	14.05	14.04	13.82	15	0
5	QPSK	1	12	14.09	14.24	14.08		
5	QPSK	1	24	13.66	13.76	13.78		
5	QPSK	12	0	14.12	14.14	14.07		
5	QPSK	12	7	14.14	14.25	14.13	15	0
5	QPSK	12	19	14.10	14.18	14.18		
5	QPSK	25	0	14.04	14.16	13.99		
5	16QAM	1	0	14.11	14.09	14.06		
5	16QAM	1	12	14.13	14.03	14.08	15	0
5	16QAM	1	24	14.18	14.12	14.12		
5	16QAM	12	0	14.06	14.19	14.16		
5	16QAM	12	7	14.13	14.14	14.14		
5	16QAM	12	13	14.19	13.98	14.05	15	0
5	16QAM	25	0	14.18	14.03	14.04		
5	64QAM	1	0	14.01	14.08	14.22		
5	64QAM	1	12	14.07	14.17	14.01		
5	64QAM	1	24	14.19	14.15	14.10	15	0
5	64QAM	12	0	14.03	14.22	14.21		
5	64QAM	12	7	14.09	14.06	14.16		
5	64QAM	12	13	14.09	14.15	14.11		
5	64QAM	25	0	14.08	14.11	14.15	15	0
Channel								
Frequency (MHz)								
3	QPSK	1	0	14.08	14.12	13.81	15	0
3	QPSK	1	8	14.15	14.28	14.14		
3	QPSK	1	14	13.70	13.83	13.89		
3	QPSK	8	0	14.13	14.14	14.08		
3	QPSK	8	4	14.14	14.21	14.14	15	0
3	QPSK	8	7	14.12	14.18	14.16		
3	QPSK	15	0	13.97	14.10	14.06		
3	16QAM	1	0	14.16	14.03	14.04		
3	16QAM	1	8	14.18	14.08	14.16	15	0
3	16QAM	1	14	14.13	14.19	14.14		
3	16QAM	8	0	14.11	14.13	14.07		
3	16QAM	8	7	14.16	14.03	14.07		
3	16QAM	15	0	14.17	13.97	14.11	15	0
3	64QAM	1	0	14.03	14.07	14.15		
3	64QAM	1	8	14.06	14.14	14.10		
3	64QAM	1	14	14.23	14.22	14.12		
3	64QAM	8	0	14.04	14.21	14.16	15	0
3	64QAM	8	4	14.15	14.11	14.16		
3	64QAM	8	7	14.03	14.13	14.15		
3	64QAM	15	0	14.03	14.07	14.07		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	14.06	14.02	13.81	15	0
1.4	QPSK	1	3	14.14	14.23	14.16		
1.4	QPSK	1	5	13.86	13.73	13.79		
1.4	QPSK	3	0	14.15	14.16	14.09		
1.4	QPSK	3	1	14.11	14.17	14.18	15	0
1.4	QPSK	3	3	14.05	14.19	14.16		
1.4	QPSK	6	0	13.98	14.09	13.99		
1.4	16QAM	1	0	14.06	14.10	14.04		
1.4	16QAM	1	3	14.20	14.02	14.11	15	0
1.4	16QAM	1	5	14.14	14.12	14.11		
1.4	16QAM	3	0	14.07	14.10	14.15		
1.4	16QAM	3	1	14.12	14.20	14.06		
1.4	16QAM	3	3	14.19	13.98	14.00	15	0
1.4	16QAM	6	0	14.19	14.02	14.07		
1.4	64QAM	1	0	14.04	14.12	14.12		
1.4	64QAM	1	3	14.10	14.12	14.02		
1.4	64QAM	1	5	14.16	14.14	14.14	15	0
1.4	64QAM	3	0	14.10	14.22	14.19		
1.4	64QAM	3	1	14.10	14.10	14.14		
1.4	64QAM	3	3	14.05	14.11	14.15		
1.4	64QAM	6	0	14.12	14.15	14.06	15	0

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 Frequency (MHz)										
2800										
20	QPSK	1	0	15.01	15.09	15.15	16	0		
20	QPSK	1	49	15.33	15.36	15.34				
20	QPSK	1	99	15.03	15.03	15.16				
20	QPSK	50	0	15.28	15.11	15.28	16	0		
20	QPSK	50	24	15.32	15.33	15.30				
20	QPSK	50	50	15.30	15.28	15.28				
20	QPSK	100	0	15.22	15.31	15.30	16	0		
20	16QAM	1	0	15.20	15.21	15.28				
20	16QAM	1	49	15.24	15.32	15.34				
20	16QAM	1	99	15.25	15.25	15.33	16	0		
20	16QAM	50	0	15.09	15.18	15.28				
20	16QAM	50	24	15.31	15.33	15.31				
20	16QAM	50	50	15.31	15.31	15.28	16	0		
20	16QAM	100	0	15.19	15.25	15.31				
20	64QAM	1	0	15.03	15.18	15.31				
20	64QAM	1	49	15.19	15.27	15.25	16	0		
20	64QAM	1	99	15.21	15.28	15.30				
20	64QAM	50	0	15.14	15.25	15.29				
20	64QAM	50	24	15.31	15.32	15.32	16	0		
20	64QAM	50	50	15.28	15.35	15.26				
20	64QAM	100	0	15.11	15.27	15.21				
Channel Frequency (MHz)										
37825										
15	QPSK	1	0	2577.5	2595	2617.5	16	0		
15	QPSK	1	37	15.22	15.26	15.22				
15	QPSK	1	74	14.97	14.92	15.10				
15	QPSK	36	0	15.16	15.02	15.17	16	0		
15	QPSK	36	20	15.24	15.26	15.21				
15	QPSK	36	39	15.20	15.17	15.17				
15	QPSK	75	0	15.15	15.18	15.28	16	0		
15	16QAM	1	0	15.09	15.19	15.20				
15	16QAM	1	37	15.14	15.21	15.28				
15	16QAM	1	74	15.15	15.16	15.27	16	0		
15	16QAM	36	0	14.97	15.12	15.21				
15	16QAM	36	20	15.22	15.26	15.26				
15	16QAM	36	39	15.21	15.19	15.22	16	0		
15	16QAM	75	0	15.08	15.21	15.20				
15	64QAM	1	0	14.98	15.08	15.20				
15	64QAM	1	37	15.17	15.15	15.22	16	0		
15	64QAM	1	74	15.18	15.17	15.27				
15	64QAM	36	0	15.05	15.13	15.22				
15	64QAM	36	20	15.28	15.25	15.23	16	0		
15	64QAM	36	39	15.17	15.31	15.18				
15	64QAM	75	0	14.99	15.25	15.13				
Channel Frequency (MHz)										
37850										
10	QPSK	1	0	2575	2595	2615	16	0		
10	QPSK	1	25	15.30	15.33	15.31				
10	QPSK	1	49	15.01	14.96	15.14				
10	QPSK	25	0	15.21	14.98	15.21	16	0		
10	QPSK	25	12	15.20	15.31	15.22				
10	QPSK	25	25	15.21	15.19	15.21				
10	QPSK	50	0	15.20	15.21	15.27	16	0		
10	16QAM	1	0	15.13	15.11	15.20				
10	16QAM	1	25	15.21	15.20	15.25				
10	16QAM	1	49	15.19	15.20	15.21	16	0		
10	16QAM	25	0	14.97	15.15	15.20				
10	16QAM	25	12	15.25	15.29	15.23				
10	16QAM	25	25	15.27	15.28	15.23	16	0		
10	16QAM	50	0	15.07	15.17	15.23				
10	64QAM	1	0	14.92	15.08	15.24				
10	64QAM	1	25	15.12	15.16	15.15	16	0		
10	64QAM	1	49	15.09	15.25	15.26				
10	64QAM	25	0	15.02	15.23	15.21				
10	64QAM	25	12	15.23	15.23	15.30	16	0		
10	64QAM	25	25	15.19	15.27	15.18				
10	64QAM	50	0	14.98	15.25	15.16				
Channel Frequency (MHz)										
37775										
5	QPSK	1	0	2572.5	2595	2617.5	16	0		
5	QPSK	1	12	14.94	14.99	15.12				
5	QPSK	1	24	15.22	15.30	15.24				
5	QPSK	12	0	14.97	14.95	15.12	16	0		
5	QPSK	12	7	15.21	15.08	15.20				
5	QPSK	12	13	15.30	15.28	15.27				
5	QPSK	12	13	15.23	15.19	15.25	16	0		
5	16QAM	1	0	15.13	15.25	15.22				
5	16QAM	1	12	15.21	15.23	15.24				
5	16QAM	1	24	15.20	15.19	15.23	16	0		
5	16QAM	12	0	14.98	15.15	15.20				
5	16QAM	12	7	15.20	15.26	15.23				
5	16QAM	12	13	15.22	15.27	15.16	16	0		
5	16QAM	25	0	15.13	15.13	15.26				
5	64QAM	1	0	15.01	15.07	15.19				
5	64QAM	1	12	15.13	15.21	15.17	16	0		
5	64QAM	1	24	15.17	15.25	15.25				
5	64QAM	12	0	15.05	15.17	15.23				
5	64QAM	12	7	15.19	15.28	15.25	16	0		
5	64QAM	12	13	15.24	15.27	15.20				
5	64QAM	25	0	15.06	15.18	15.16				

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 Frequency (MHz)										
37850										
20	QPSK	1	0	23.71	23.72	23.70	24.5	0		
20	QPSK	1	49	23.98	24.03	23.99				
20	QPSK	1	99	23.85	23.87	23.82				
20	QPSK	50	0	22.99	22.97	22.90	23.5	1		
20	QPSK	50	24	23.06	23.10	23.04				
20	QPSK	50	50	23.05	23.01	23.04				
20	16QAM	100	0	23.08	23.09	23.04	23.5	1		
20	16QAM	1	0	23.12	23.05	22.99				
20	16QAM	1	49	23.37	23.36	23.24				
20	16QAM	1	99	23.13	23.15	23.11	22.5	2		
20	16QAM	50	0	22.05	22.02	21.97				
20	16QAM	50	24	22.14	22.14	22.14				
20	16QAM	50	50	22.14	22.19	22.11	21.5	3		
20	16QAM	100	0	22.08	22.08	22.11				
20	64QAM	1	0	22.03	21.92	22.01				
20	64QAM	1	49	22.30	22.19	22.21	21.5	3		
20	64QAM	1	99	22.08	22.05	22.04				
20	64QAM	50	0	21.08	20.96	21.05				
20	64QAM	50	24	21.28	21.12	21.16	21.5	3		
20	64QAM	50	50	21.14	21.22	21.18				
20	64QAM	100	0	21.08	21.11	21.18				
Channel Frequency (MHz)										
37825										
15	QPSK	1	0	2377.5	2395	2412.5	24.5	0		
15	QPSK	1	37	23.98	23.99	23.85				
15	QPSK	1	74	23.81	23.76	23.77				
15	QPSK	36	0	22.99	22.89	22.80	23.5	1		
15	QPSK	36	20	22.96	23.00	22.94				
15	QPSK	36	39	22.92	22.88	22.96				
15	QPSK	75	0	23.03	23.03	23.00	23.5	1		
15	16QAM	1	0	23.01	22.99	22.85				
15	16QAM	1	37	23.35	23.34	23.18				
15	16QAM	1	74	23.02	23.13	23.07	22.5	2		
15	16QAM	36	0	21.96	22.01	21.93				
15	16QAM	36	20	22.13	22.13	22.06				
15	16QAM	36	39	22.07	22.09	22.10	22.5	2		
15	16QAM	75	0	21.99	22.03	21.99				
15	64QAM	1	0	21.96	21.88	22.00				
15	64QAM	1	37	22.24	22.18	22.16	22.5	2		
15	64QAM	1	74	22.02	22.01	22.04				
15	64QAM	36	0	21.01	21.00	21.07				
15	64QAM	36	20	21.21	21.20	21.11	21.5	3		
15	64QAM	36	39	21.10	21.21	21.14				
15	64QAM	75	0	20.98	21.05	21.13				
Channel Frequency (MHz)										
37800										
10	QPSK	1	0	2575	2595	2615	24.5	0		
10	QPSK	1	25	23.83	23.82	23.84				
10	QPSK	1	49	23.76	23.84	23.81				
10	QPSK	25	0	22.80	22.86	22.84	23.5	1		
10	QPSK	25	12	23.00	23.06	22.96				
10	QPSK	25	25	23.00	22.88	22.96				
10	QPSK	50	0	23.08	23.08	23.00	23.5	1		
10	16QAM	1	0	23.09	22.96	22.87				
10	16QAM	1	25	23.25	23.34	23.15				
10	16QAM	1	49	23.05	23.04	23.04	22.5	2		
10	16QAM	25	0	22.03	21.88	21.93				
10	16QAM	25	12	22.15	22.03	22.14				
10	16QAM	25	25	22.14	22.15	21.87	22.5	2		
10	16QAM	50	0	22.04	22.02	22.07				
10	64QAM	1	0	21.90	21.92	21.92				
10	64QAM	1	25	22.30	22.08	22.11	22.5	2		
10	64QAM	1	49	21.97	21.91	21.93				
10	64QAM	25	0	20.96	20.85	21.05				
10	64QAM	25	12	21.07	21.07	21.13	21.5	3		
10	64QAM	25	25	21.03	21.08	21.13				
10	64QAM	50	0	20.93	20.99	21.04				
Channel Frequency (MHz)										
2572.5										
5	QPSK	1	0	2561	2585	2596.5	24.5	0		
5	QPSK	1	1	23.81	23.86	23.85				
5	QPSK	1	24	23.72	23.72	23.80				
5	QPSK	12	0	22.91	22.96	22.84	23.5	1		
5	QPSK	12	7	23.08	23.04	23.06				
5	QPSK	12	13	23.03	22.95	22.89				
5	QPSK	25	0	23.06	22.94	22.94	23.5	1		
5	16QAM	1	0	23.06	22.87	22.87				
5	16QAM	1	12	23.25	23.22	23.11				
5	16QAM	1	24	22.99	23.06	22.97	22.5	2		
5	16QAM	12	0	22.01	21.90	21.82				
5	16QAM	12	7	22.14	22.07	22.09				
5	16QAM	12	13	22.12	22.06	22.11	21.5	3		
5	64QAM	25	0	21.97	21.88	21.95				
5	64QAM	1	12	22.26	22.18	22.11				
5	64QAM	1	24	21.84	21.85	21.94				
5	64QAM	12	0	20.97	20.95	20.99				
5	64QAM	12	7	21.22	21.04	21.07	21.5	3		
5	64QAM	12	13	21.05	21.04	21.08				
5	64QAM	25	0	21.01	21.06	21.01				
5	64QAM	25	13	21.06	21.06	21.13				
5	64QAM	25	25	21.01	21.06	21.01				

Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
				39750	40185	40620	41055	41490		
20 QPSK 1 0 13.52 13.63 13.71 13.49 13.47										
20 QPSK 1 49	13.83	13.76	13.84	13.81	13.81	13.81	13.81	13.81	14.5	0
20 QPSK 1 99	13.82	13.50	13.65	13.70	13.70	13.70	13.70	13.70	14.5	0
20 QPSK 50 0	13.61	13.54	13.70	13.72	13.79	13.79	13.79	13.79	14.5	0
20 QPSK 50 24	13.75	13.75	13.82	13.77	13.77	13.77	13.77	13.77	14.5	0
20 QPSK 80 50	13.68	13.58	13.67	13.63	13.69	13.69	13.69	13.69	14.5	0
20 16QAM 1 0	13.71	13.52	13.77	13.70	13.69	13.69	13.69	13.69	14.5	0
20 16QAM 1 49	13.69	13.66	13.76	13.78	13.78	13.78	13.78	13.78	14.5	0
20 16QAM 1 99	13.78	13.70	13.77	13.76	13.76	13.76	13.76	13.76	14.5	0
20 16QAM 50 0	13.65	13.56	13.76	13.73	13.73	13.73	13.73	13.73	14.5	0
20 16QAM 50 24	13.75	13.67	13.75	13.75	13.79	13.69	13.69	13.69	14.5	0
20 16QAM 50 50	13.69	13.68	13.85	13.68	13.71	13.68	13.68	13.68	14.5	0
20 16QAM 100 0	13.71	13.67	13.79	13.80	13.69	13.69	13.69	13.69	14.5	0
20 16QAM 1 49	13.77	13.72	13.73	13.77	13.67	13.67	13.67	13.67	14.5	0
20 16QAM 1 99	13.64	13.58	13.78	13.75	13.71	13.71	13.71	13.71	14.5	0
20 16QAM 1 99	13.78	13.61	13.82	13.72	13.65	13.65	13.65	13.65	14.5	0
20 16QAM 50 0	13.62	13.57	13.67	13.63	13.66	13.66	13.66	13.66	14.5	0
20 16QAM 50 24	13.63	13.52	13.76	13.71	13.62	13.62	13.62	13.62	14.5	0
20 16QAM 50 50	13.71	13.68	13.72	13.77	13.60	13.60	13.60	13.60	14.5	0
20 16QAM 100 0	13.67	13.59	13.61	13.57	13.75	13.75	13.75	13.75	14.5	0
Channel Frequency (MHz)										
				25015	25493	25903	26373	26925	Tune-up limit (dBm)	MPR (dB)
15 QPSK 1 0 13.43 13.52 13.67 13.37 13.39										
15 QPSK 1 37	13.81	13.66	13.78	13.79	13.70	13.70	13.70	13.70	14.50	0
15 QPSK 1 74	13.47	13.39	13.60	13.60	13.67	13.50	13.50	13.50	14.50	0
15 QPSK 36 0	13.56	13.51	13.65	13.65	13.65	13.72	13.72	13.72	14.5	0
15 QPSK 36 20	13.64	13.73	13.77	13.65	13.71	13.71	13.71	13.71	14.5	0
15 QPSK 36 39	13.65	13.57	13.59	13.59	13.51	13.73	13.73	13.73	14.5	0
15 16QAM 1 0	13.68	13.54	13.71	13.67	13.70	13.67	13.70	13.67	14.5	0
15 16QAM 1 0	13.60	13.50	13.75	13.68	13.65	13.65	13.65	13.65	14.5	0
15 16QAM 1 37	13.63	13.59	13.65	13.73	13.73	13.62	13.62	13.62	14.5	0
15 16QAM 1 74	13.73	13.58	13.74	13.72	13.53	13.53	13.53	13.53	14.5	0
15 16QAM 36 0	13.58	13.51	13.70	13.70	13.53	13.53	13.53	13.53	14.5	0
15 16QAM 36 20	13.67	13.61	13.76	13.76	13.46	13.46	13.46	13.46	14.5	0
15 16QAM 36 39	13.61	13.59	13.78	13.68	13.65	13.65	13.65	13.65	14.5	0
15 16QAM 75 0	13.66	13.60	13.69	13.69	13.69	13.57	13.57	13.57	14.5	0
15 16QAM 1 37	13.72	13.67	13.63	13.71	13.61	13.61	13.61	13.61	14.5	0
15 16QAM 1 74	13.58	13.54	13.66	13.63	13.63	13.71	13.71	13.71	14.5	0
15 16QAM 1 74	13.75	13.51	13.71	13.65	13.56	13.56	13.56	13.56	14.5	0
15 16QAM 36 0	13.55	13.46	13.46	13.46	13.58	13.58	13.58	13.58	14.5	0
15 16QAM 36 20	13.53	13.43	13.73	13.63	13.58	13.58	13.58	13.58	14.5	0
15 16QAM 36 39	13.68	13.62	13.67	13.67	13.48	13.48	13.48	13.48	14.5	0
15 16QAM 75 0	13.60	13.49	13.78	13.45	13.65	13.65	13.65	13.65	14.5	0
Channel Frequency (MHz)										
				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)
				2501	2547	2523	2535	2595	14.50	0
10 QPSK 1 0	13.40	13.50	13.64	13.41	13.30	13.30	13.30	13.30	14.50	0
10 QPSK 1 25	13.77	13.74	13.77	13.71	13.71	13.71	13.71	13.71	14.50	0
10 QPSK 1 49	13.49	13.38	13.53	13.59	13.52	13.52	13.52	13.52	14.5	0
10 QPSK 25 0	13.56	13.51	13.62	13.70	13.68	13.68	13.68	13.68	14.5	0
10 QPSK 25 12	13.70	13.70	13.74	13.67	13.77	13.77	13.77	13.77	14.5	0
10 QPSK 25 25	13.59	13.52	13.64	13.60	13.60	13.70	13.70	13.70	14.5	0
10 QPSK 50 0	13.63	13.58	13.74	13.60	13.64	13.64	13.64	13.64	14.5	0
10 16QAM 1 0	13.64	13.50	13.67	13.61	13.58	13.58	13.58	13.58	14.5	0
10 16QAM 1 25	13.60	13.56	13.73	13.68	13.66	13.66	13.66	13.66	14.5	0
10 16QAM 1 49	13.71	13.61	13.71	13.70	13.61	13.61	13.61	13.61	14.5	0
10 16QAM 25 0	13.63	13.48	13.65	13.65	13.66	13.66	13.66	13.66	14.5	0
10 16QAM 25 12	13.63	13.61	13.66	13.77	13.54	13.54	13.54	13.54	14.5	0
10 16QAM 25 25	13.65	13.67	13.74	13.60	13.59	13.59	13.59	13.59	14.5	0
10 16QAM 50 0	13.60	13.63	13.77	13.78	13.78	13.61	13.61	13.61	14.5	0
10 16QAM 1 0	13.72	13.63	13.64	13.72	13.58	13.58	13.58	13.58	14.5	0
10 16QAM 1 25	13.58	13.58	13.74	13.74	13.57	13.57	13.57	13.57	14.5	0
10 16QAM 1 49	13.70	13.58	13.76	13.70	13.54	13.54	13.54	13.54	14.5	0
10 16QAM 25 0	13.50	13.55	13.45	13.51	13.57	13.57	13.57	13.57	14.5	0
10 16QAM 25 12	13.53	13.50	13.65	13.66	13.55	13.55	13.55	13.55	14.5	0
10 16QAM 25 25	13.69	13.60	13.64	13.73	13.56	13.56	13.56	13.56	14.5	0
10 16QAM 50 0	13.56	13.53	13.78	13.48	13.66	13.66	13.66	13.66	14.5	0
Channel Frequency (MHz)										
				2695.5	26416	26420	26503	2697.5	Tune-up limit (dBm)	MPR (dB)
				2695.5	2645.8	2593	2640.30	2697.5	14.50	0
5 QPSK 1 0	13.47	13.57	13.67	13.46	13.44	13.44	13.44	13.44	14.50	0
5 QPSK 1 12	13.75	13.70	13.81	13.78	13.71	13.71	13.71	13.71	14.50	0
5 QPSK 1 24	13.46	13.43	13.55	13.60	13.54	13.54	13.54	13.54	14.5	0
5 QPSK 12 0	13.56	13.50	13.62	13.62	13.62	13.68	13.68	13.68	14.5	0
5 QPSK 12 7	13.72	13.71	13.76	13.70	13.76	13.76	13.76	13.76	14.5	0
5 QPSK 12 13	13.65	13.52	13.63	13.59	13.69	13.69	13.69	13.69	14.5	0
5 QPSK 25 0	13.62	13.50	13.66	13.67	13.70	13.70	13.70	13.70	14.5	0
5 16QAM 1 0	13.64	13.47	13.69	13.58	13.57	13.57	13.57	13.57	14.5	0
5 16QAM 1 12	13.66	13.55	13.69	13.66	13.69	13.69	13.69	13.69	14.5	0
5 16QAM 1 24	13.69	13.62	13.69	13.68	13.58	13.58	13.58	13.58	14.5	0
5 16QAM 12 0	13.63	13.44	13.70	13.70	13.57	13.57	13.57	13.57	14.5	0
5 16QAM 12 7	13.73	13.54	13.68	13.69	13.49	13.49	13.49	13.49	14.5	0
5 16QAM 12 13	13.65	13.64	13.80	13.66	13.62	13.62	13.62	13.62	14.5	0
5 16QAM 25 0	13.60	13.58	13.68	13.77	13.61	13.61	13.61	13.61	14.5	0
5 16QAM 1 0	13.66	13.69	13.65	13.67	13.62	13.62	13.62	13.62	14.5	0
5 16QAM 1 12	13.62	13.47	13.70	13.69	13.66	13.66	13.66	13.66	14.5	0
5 16QAM 1 24	13.68	13.56	13.75	13.64	13.54	13.54	13.54	13.54	14.5	0
5 16QAM 12 0	13.54	13.46	13.53	13.44	13.56	13.56	13.56	13.56	14.5	0
5 16QAM 12 7	13.56	13.47	13.74	13.63	13.59	13.59	13.59	13.59	14.5	0
5 16QAM 12 13	13.64	13.56	13.69	13.71	13.53	13.53	13.53	13.53	14.5	0
5 16QAM 25 0	13.59	13.51	13.78	13.55	13.66	13.66	13.66	13.66	14.5	0

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)												
20	QPSK	1	0	23.81	23.82	23.84	23.80	23.81	24.5	0		
20	QPSK	1	49	23.95	24.01	24.05	23.91	23.97				
20	QPSK	1	99	23.85	23.81	23.85	23.82	23.90				
20	QPSK	50	0	22.85	22.96	22.92	22.93	23.00				
20	QPSK	50	24	23.05	23.08	23.10	23.07	23.04				
20	QPSK	50	50	22.99	23.05	23.05	22.98	22.81	23.5	1		
20	QPSK	100	0	22.90	22.98	22.99	22.97	22.98				
20	16QAM	1	0	23.25	23.26	23.28	23.20	23.00				
20	16QAM	1	49	23.21	23.36	23.03	23.25	23.21				
20	16QAM	1	99	23.03	23.17	23.08	23.07	22.98				
20	16QAM	50	0	21.89	21.98	22.03	21.84	22.05	22.5	2		
20	16QAM	50	24	22.04	22.12	22.10	22.12	22.07				
20	16QAM	50	50	22.15	22.05	22.05	22.10	21.90				
20	16QAM	100	0	21.96	22.07	22.07	22.02	21.90				
20	16QAM	1	49	22.11	22.17	22.17	22.15	22.15				
20	16QAM	1	99	21.95	22.06	22.02	21.98	21.92	22.5	2		
20	64QAM	50	0	20.87	20.97	21.02	20.92	21.02				
20	64QAM	50	24	21.02	21.16	21.12	21.10	21.02				
20	64QAM	50	50	21.04	21.12	21.06	21.10	20.95				
20	64QAM	100	0	21.02	21.07	21.07	21.01	21.02				
Channel Frequency (MHz)												
15	QPSK	1	0	23.81	23.83	23.83	23.79	23.82	24.5	0		
15	QPSK	1	37	24.04	24.01	24.01	24.07	24.02				
15	QPSK	1	74	23.72	23.74	23.73	23.83	23.72				
15	QPSK	36	0	22.86	22.92	22.85	22.87	22.89				
15	QPSK	36	39	23.02	23.07	23.09	23.09	23.02				
15	QPSK	36	39	22.86	22.96	22.90	23.02	23.04	23.5	1		
15	QPSK	75	0	22.86	22.92	22.84	22.99	22.85				
15	16QAM	1	0	23.03	23.05	23.09	23.00	23.02				
15	16QAM	1	37	23.12	23.13	23.16	23.10	23.15				
15	16QAM	1	74	22.95	22.99	23.05	22.94	22.97				
15	16QAM	1	0	21.85	22.02	22.02	22.00	21.92	22.5	2		
15	16QAM	36	0	22.98	22.98	22.90	22.97	22.04				
15	16QAM	36	39	21.93	21.93	21.89	21.90	21.99				
15	16QAM	75	0	22.03	22.03	22.01	22.05	21.94				
15	64QAM	1	0	21.88	21.88	21.84	21.89	21.84				
15	64QAM	1	37	22.15	22.03	22.13	22.14	22.10	22.5	2		
15	64QAM	1	74	21.87	21.94	21.96	21.90	22.01				
15	64QAM	36	0	20.89	21.00	20.91	20.96	20.96				
15	64QAM	36	20	21.06	20.99	20.98	21.12	21.05				
15	64QAM	36	39	20.87	20.96	20.99	21.02	20.96				
15	64QAM	75	0	21.05	21.04	20.99	21.06	21.06	21.5	3		
15	64QAM	75	0	39.700	40.160	40.620	41.080	41.540				
Channel Frequency (MHz)												
10	QPSK	1	0	23.73	23.74	23.74	23.70	23.73			24.5	0
10	QPSK	1	25	24.02	23.97	23.96	23.92	23.96				
10	QPSK	1	49	23.74	23.70	23.74	23.73	23.71				
10	QPSK	25	0	22.88	22.77	22.81	22.78	22.81				
10	QPSK	25	12	22.99	22.98	22.97	23.02	22.95				
10	QPSK	25	25	22.99	22.99	23.01	22.93	23.01	23.5	1		
10	QPSK	50	0	22.85	22.85	22.85	22.89	22.89				
10	16QAM	1	0	23.03	23.03	23.04	23.08	23.01				
10	16QAM	1	25	23.15	23.08	23.10	23.13	23.10				
10	16QAM	1	49	23.98	23.03	23.02	23.07	23.07				
10	16QAM	25	0	21.98	21.88	21.98	21.94	21.98	22.5	2		
10	16QAM	25	12	22.02	22.04	22.08	22.03	22.00				
10	16QAM	25	25	22.03	21.99	21.93	22.03	21.94				
10	16QAM	50	0	21.93	22.04	22.06	21.97	21.99				
10	64QAM	1	0	21.91	21.92	21.81	21.88	21.82				
10	64QAM	1	25	22.11	22.06	22.02	22.09	22.17	22.5	2		
10	64QAM	1	49	21.97	22.01	22.02	21.89	21.87				
10	64QAM	25	0	20.94	20.92	20.94	20.97	20.97				
10	64QAM	25	12	21.00	20.98	21.12	21.03	20.99				
10	64QAM	25	25	20.92	20.94	20.91	21.05	21.03				
10	64QAM	50	0	21.03	21.04	20.94	20.94	20.98	21.5	3		
10	64QAM	50	0	41.050	41.050	41.000	41.050	41.050				
Channel Frequency (MHz)												
5	QPSK	1	0	23.72	23.73	23.80	23.78	23.81			24.5	0
5	QPSK	1	12	23.90	23.97	23.95	23.97	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	10	22.90	22.96	23.02	23.08	22.99				
5	QPSK	12	13	22.93	23.03	22.95	22.92	22.99	23.5	1		
5	QPSK	25	0	22.88	22.83	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.04	23.03	23.03	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21				
5	16QAM	1	24	22.94	23.07	23.05	23.04	23.04				
5	16QAM	1	0	21.88	21.88	22.03	21.87	21.89	22.5	2		
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01				
5	16QAM	20.96	0	21.96	21.96	21.96	21.96	21.93				
5	64QAM	1	0	21.87	21.89	21.84	21.89	21.85				
5	64QAM	1	12	22.07	22.14	22.09	22.15	22.13	22.5	2		
5	64QAM	12	0	21.90	21.98	21.95	21.97	21.97				
5	64QAM	12	0	20.89	20.93	20.97	20.97	20.97				
5	64QAM	12	7	21.11	21.05	21.00	21.00	21.01				
5	64QAM	12	13	21.03	21.03	20.97	21.05	20.98				
5	64QAM	25	0	21.05	20.99	21.04	21.05	20.92	21.5	3		
5	64QAM	25	0	41.050	41.050	41.000	41.050	41.050				



Reduced Power Mode for DSI4

<GSM>

TX Channel	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
	126	189	251	Limit		126	189	251	Limit	
Frequency (MHz)	824.2	834.4	844.6	(dBm)		824.2	834.4	844.6	(dBm)	
GSM 1 Tx slot	32.71	32.75	32.70	34.00	23.71	23.75	23.70	25.00		
GPRS-EDGE(GMSK) 1 Tx slot	32.70	32.73	32.68	34.00	23.70	23.73	23.68	25.00		
GPRS-EDGE(GMSK) 2 Tx slots	30.60	30.64	30.62	32.00	24.60	24.64	24.62	25.00		
GPRS-EDGE(GMSK) 3 Tx slots	28.55	28.60	28.48	30.00	24.29	24.34	24.22	25.74		
GPRS-EDGE(GMSK) 4 Tx slots	26.30	26.35	26.31	28.00	23.30	23.35	23.31	25.00		
EDGE 1 Tx slot	26.89	26.88	26.85	28.00	17.89	17.88	17.85	19.00		
EDGE 2 Tx slots	26.01	25.02	24.87	26.00	19.01	19.02	18.87	20.00		
EDGE 3 Tx slots	22.75	22.69	22.77	24.00	18.49	18.63	18.51	18.74		
EDGE 4 Tx slots	20.45	20.35	20.37	22.00	17.45	17.35	17.37	19.00		

TX Channel	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
	512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)	1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot	28.72	28.59	28.55	29.50	19.72	19.59	19.55	20.50		
GPRS-EDGE(GMSK) 1 Tx slot	28.74	28.63	28.59	29.50	19.74	19.63	19.59	20.50		
GPRS-EDGE(GMSK) 2 Tx slots	26.08	26.09	26.02	27.00	20.08	20.09	20.02	21.00		
GPRS-EDGE(GMSK) 3 Tx slots	23.19	23.07	23.05	24.50	18.53	18.61	18.79	20.24		
GPRS-EDGE(GMSK) 4 Tx slots	22.18	22.05	21.97	23.50	18.18	18.09	18.57	20.50		
EDGE 1 Tx slot	26.18	26.20	26.10	27.00	17.18	17.20	17.10	18.00		
EDGE 2 Tx slots	24.44	24.41	24.38	25.00	16.44	16.41	16.39	16.00		
EDGE 3 Tx slots	22.77	22.61	22.47	23.50	16.51	16.35	16.21	16.24		
EDGE 4 Tx slots	20.69	20.57	20.50	21.50	17.69	17.67	17.50	18.50		

<GSM>

TX Channel	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
	126	189	251	Limit		126	189	251	Limit	
Frequency (MHz)	824.2	834.4	844.6	(dBm)		824.2	834.4	844.6	(dBm)	
GSM 1 Tx slot	32.30	32.43	32.42	33.60	23.30	23.43	23.42	24.50		
GPRS-EDGE(GMSK) 1 Tx slot	32.28	32.42	32.41	33.50	23.28	23.42	23.41	24.50		
GPRS-EDGE(GMSK) 2 Tx slots	30.19	30.35	30.34	31.60	24.19	24.35	24.34	25.50		
GPRS-EDGE(GMSK) 3 Tx slots	28.01	28.18	28.17	29.50	23.75	23.92	23.91	25.24		
GPRS-EDGE(GMSK) 4 Tx slots	25.78	25.93	25.92	27.50	22.79	22.93	22.92	24.50		
EDGE 1 Tx slot	26.37	26.62	26.61	27.50	17.37	17.62	17.61	18.50		
EDGE 2 Tx slots	24.56	24.61	24.65	25.50	18.56	18.61	18.65	19.50		
EDGE 3 Tx slots	22.28	22.34	22.51	23.50	18.02	18.08	18.26	19.24		
EDGE 4 Tx slots	19.91	20.03	20.16	21.50	16.91	17.03	17.16	18.50		

TX Channel	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
	512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)	1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot	30.06	30.16	30.15	30.50	21.06	21.16	21.15	21.50		
GPRS-EDGE(GMSK) 1 Tx slot	30.06	30.15	30.14	30.50	21.06	21.15	21.14	21.50		
GPRS-EDGE(GMSK) 2 Tx slots	27.44	27.58	27.55	28.00	21.44	21.58	21.55	22.00		
GPRS-EDGE(GMSK) 3 Tx slots	24.80	24.83	24.76	26.00	20.54	20.57	20.50	21.74		
GPRS-EDGE(GMSK) 4 Tx slots	23.46	23.58	23.57	25.00	20.46	20.58	20.57	22.00		
EDGE 1 Tx slot	25.88	26.07	26.24	27.00	16.88	17.07	17.24	18.00		
EDGE 2 Tx slots	24.37	24.46	24.58	25.00	16.37	16.46	16.58	18.00		
EDGE 3 Tx slots	22.55	22.64	22.69	23.50	16.29	16.38	16.43	19.24		
EDGE 4 Tx slots	20.55	20.62	20.61	21.50	17.55	17.62	17.61	18.50		

<WCDMA>

Band	WCDMA R_Art.13				Tune-up	WCDMA R_V_Art.13				Tune-up
	5922	5900	5938	Limit		1512	1413	1513	Limit	
Rx Channel	9862	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)	1522.4	1520	1507.6			1724.4	1722.6	1732.6		
3GPP Rel 99	19.51	19.58	19.55	20.50	20.38	20.47	20.33	21.50	23.23	23.30
3GPP Rel 99	19.59	19.63	19.61	20.50	20.38	20.49	20.40	21.50	23.25	23.32
3GPP Rel 6	18.72	18.56	18.74	19.50	19.47	19.53	19.45	20.50	22.37	22.39
3GPP Rel 6	18.55	18.61	18.63	19.50	19.54	19.47	19.42	20.50	22.40	22.42
3GPP Rel 6	18.07	18.07	18.10	19.00	18.95	18.87	18.99	20.00	21.95	21.96
3GPP Rel 6	18.14	18.05	18.08	19.00	19.05	18.84	19.01	20.00	21.91	21.93
3GPP Rel 6	18.65	18.55	18.70	19.50	19.35	19.46	19.41	20.50	22.30	22.35
3GPP Rel 6	18.52	18.51	18.64	19.50	19.47	19.40	19.35	20.50	22.36	22.40
3GPP Rel 6	17.98	17.99	18.14	19.00	18.92	18.85	18.90	20.00	21.88	21.94
3GPP Rel 6	18.09	17.95	18.07	19.00	19.07	18.83	18.94	20.00	21.85	21.88
3GPP Rel 6	18.75	18.61	18.69	17.50	17.37	17.46	17.48	18.50	21.39	21.46
3GPP Rel 6	18.70	18.70	18.68	17.50	17.45	17.46	17.43	18.50	21.37	21.42
3GPP Rel 6	17.68	17.65	17.73	18.50	18.44	18.48	18.49	19.50	22.38	22.35
3GPP Rel 6	18.10	18.19	18.24	17.00	16.89	17.03	16.97	18.00	20.83	20.85
3GPP Rel 6	17.98	17.62	17.64	18.50	18.35	18.39	18.34	19.50	22.27	22.27
3GPP Rel 7	18.69	18.76	18.58	17.50	17.50	17.45	17.53	18.50	21.35	21.44

Band	WCDMA R_Art.31				Tune-up	WCDMA R_V_Art.31				Tune-up
	5922	5900	5938	Limit		1512	1413	1513	Limit	
Rx Channel	9862	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)	1522.4	1520	1507.6			1724.4	1722.6	1732.6		
3GPP Rel 99	21.24	21.26	21.27	22.00	21.05	21.03	21.08	22.00	23.22	23.24
3GPP Rel 99	21.25	21.29	21.28	22.00	21.06	21.12	21.09	22.00	23.25	23.26
3GPP Rel 6	20.25	20.31	20.40	21.00	20.05	20.16	20.10	21.00	22.23	22.25
3GPP Rel 6	20.16	20.13	20.22	21.00	19.90	20.08	20.06	21.00	22.15	22.13
3GPP Rel 6	19.79	19.61	19.79	20.50	19.47	19.55	19.68	20.50	21.66	21.78
3GPP Rel 6	18.70	19.59	19.72	20.50	19.55	19.59	19.59	20.50	21.68	21.62
3GPP Rel 6	20.25	20.23	20.36	21.00	19.98	20.05	20.07	21.00	22.19	22.23
3GPP Rel 6	20.10	20.04	20.13	21.00	19.84	20.01	20.09	21.00	22.11	22.08
3GPP Rel 6	19.76	19.67	19.76	20.50	19.40	19.45	19.55	20.50	21.61	21.73
3GPP Rel 6	19.58	19.62	19.73	20.50	19.41	19.51	19.59	20.50	21.62	21.67
3GPP Rel 6	18.40	18.27	18.51	19.20	18.13	18.16	18.16	19.00	21.17	20.98
3GPP Rel 6	18.25	18.28	18.45	19.20	18.11	18.13	18.17	19.00	21.00	21.07
3GPP Rel 6	19.30	19.27	19.51	20.00	19.11	19.12	19.12	20.00	21.94	22.00
3GPP Rel 6	17.92	17.76	17.99	18.50	17.59	17.58	17.63	18.50	20.43	20.49
3GPP Rel 6	19.32	19.17	19.26	20.00	19.03	19.08	19.05	20.00	21.90	21.90
3GPP Rel 7	18.35	18.35	18.48	19.20	18.20	18.20	18.22	19.20	21.14	21.04

Band	WCDMA R_Art.31				Tune-up	WCDMA R_V_Art.31				Tune-up
	5922	5900	5938	Limit		1512	1413	1513	Limit	
Rx Channel	9862	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)	1522.4	1520	1507.6			1724.4	1722.6	1732.6		
3GPP Rel 99	21.24	21.26	21.27	22.00	21.05	21.03	21.08	22.00	23.22	23.24
3GPP Rel 99	21.25	21.29	21.28	22.00	21.06	21.12	21.09	22.00	23.25	23.26
3GPP Rel 6	20.25	20.31	20.40	21.00	20.05	20.16	20.10	21.00	22.23	22.25
3GPP Rel 6	20.16	20.13	20.22	21.00	19.90	20.08	20.06	21.00	22.15	22.13
3GPP Rel 6	19.79	19.61	19.79	20.50	19.47	19.55	19.68	20.50	21.66	21.78
3GPP Rel 6	18.70	19.59	19.72	20.50	19.55	19.59	19.59	20.50	21.68	21.62
3GPP Rel 6	20.25	20.23	20.36	21.00	19.98	20.05	20.07	21.00	22.19	22.23
3GPP Rel 6	20.10	20.04	20.13	21.00	19.84	20.01	20.09	21.00	22.11	22.08
3GPP Rel 6	19.76	19.67	19.76	20.50	19.40	19.45	19.55	20.50	21.61	21.73
3GPP Rel 6	19.58	19.62	19.73	20.50	19.41	19.51	19.59	20.50	21.62	21.67
3GPP Rel 6	18.40	18.27	18.51	19.20	18.13	18.16	18.16	19.00	21.17	20.98
3GPP Rel 6	18.25	18.28	18.45	19.20	18.11	18.13	18.17	19.00	21.00	21.07
3GPP Rel 6	19.30	19.27	19.51	20.00	19.11	19.12	19.12	20.00	21.94	22.00
3GPP Rel 6	17.92	17.76	17.99	18.50	17.59	17.58	17.63	18.50	20.43	20.49
3GPP Rel 6	19.32	19.17	19.26	20.00	19.03	19.08	19.05	20.00	21.90	21.90
3GPP Rel 7	18.35	18.35	18.48	19.20	18.20	18.20	18.22	19.20	21.14	21.04

Band 2_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 Frequency (MHz)										
20	QPSK	1	0	19.36	19.38	19.39	20.6	0		
20	QPSK	1	49	19.52	19.66	19.54				
20	QPSK	1	99	19.29	19.33	19.19				
20	QPSK	50	0	19.39	19.30	19.33				
20	QPSK	50	24	19.43	19.81	19.55				
20	QPSK	50	50	19.17	19.27	19.20	20.6	0		
20	QPSK	100	0	19.52	19.60	19.37				
20	16QAM	1	0	19.36	19.34	19.33				
20	16QAM	1	49	19.62	19.63	19.65				
20	16QAM	1	99	19.45	19.47	19.36				
20	16QAM	50	0	19.43	19.36	19.31	20.6	0		
20	16QAM	50	24	19.25	19.40	19.41				
20	16QAM	50	50	19.23	19.25	19.16				
20	16QAM	100	0	19.21	19.41	19.34				
20	64QAM	1	0	19.45	19.56	19.59				
20	64QAM	1	49	19.65	19.62	19.60	20.6	0		
20	64QAM	1	99	19.41	19.53	19.37				
20	64QAM	50	0	19.53	19.52	19.34				
20	64QAM	50	24	19.35	19.47	19.35				
20	64QAM	50	50	19.37	19.34	19.32				
20	64QAM	100	0	19.26	19.41	19.36	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
15	QPSK	1	0	19.24	19.33	19.32				
15	QPSK	1	37	19.50	19.57	19.49				
15	QPSK	1	74	19.26	19.17	19.13				
15	QPSK	36	0	19.37	19.26	19.23				
15	QPSK	36	20	19.38	19.56	19.43				
15	QPSK	36	39	19.05	19.16	19.11				
15	QPSK	75	0	19.50	19.57	19.30				
15	16QAM	1	0	19.29	19.24	19.31				
15	16QAM	1	37	19.54	19.48	19.60				
15	16QAM	1	74	19.36	19.42	19.34				
15	16QAM	36	0	19.31	19.30	19.29				
15	16QAM	36	20	19.14	19.30	19.38				
15	16QAM	36	39	19.14	19.18	19.08				
15	16QAM	75	0	19.14	19.35	19.22				
15	64QAM	1	0	19.39	19.53	19.54				
15	64QAM	1	37	19.63	19.60	19.57				
15	64QAM	1	74	19.33	19.50	19.34				
15	64QAM	36	0	19.41	19.49	19.32				
15	64QAM	36	20	19.27	19.36	19.30				
15	64QAM	36	39	19.25	19.24	19.29				
15	64QAM	75	0	19.14	19.39	19.26	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
10	QPSK	1	0	19.25	19.26	19.27				
10	QPSK	1	25	19.42	19.56	19.52				
10	QPSK	1	49	19.23	19.22	19.10				
10	QPSK	25	0	19.35	19.25	19.23				
10	QPSK	25	12	19.46	19.50	19.38				
10	QPSK	25	25	19.11	19.24	19.17				
10	QPSK	50	0	19.45	19.49	19.28				
10	16QAM	1	0	19.25	19.28	19.29				
10	16QAM	1	19	19.52	19.41	19.54				
10	16QAM	1	49	19.38	19.39	19.26				
10	16QAM	25	0	19.36	19.29	19.21				
10	16QAM	25	12	19.12	19.32	19.34				
10	16QAM	25	25	19.18	19.17	19.06				
10	16QAM	50	0	19.10	19.34	19.28				
10	64QAM	1	0	19.37	19.55	19.56				
10	64QAM	1	25	19.54	19.57	19.52				
10	64QAM	1	49	19.31	19.50	19.25				
10	64QAM	25	0	19.45	19.46	19.25				
10	64QAM	25	12	19.24	19.35	19.32				
10	64QAM	25	25	19.26	19.30	19.24				
10	64QAM	50	0	19.19	19.29	19.31	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
5	QPSK	1	0	19.24	19.32	19.31				
5	QPSK	1	12	19.42	19.60	19.52				
5	QPSK	1	24	19.19	19.31	19.15				
5	QPSK	12	0	19.36	19.18	19.31				
5	QPSK	12	7	19.44	19.56	19.47				
5	QPSK	12	13	19.11	19.25	19.15				
5	QPSK	25	0	19.47	19.48	19.25				
5	16QAM	1	0	19.33	19.25	19.23				
5	16QAM	1	12	19.59	19.43	19.55				
5	16QAM	1	24	19.41	19.44	19.26				
5	16QAM	12	0	19.35	19.26	19.26				
5	16QAM	12	7	19.13	19.32	19.30				
5	16QAM	12	13	19.17	19.13	19.07				
5	16QAM	25	0	19.09	19.38	19.32				
5	16QAM	25	0	19.41	19.45	19.51				
5	64QAM	1	12	19.61	19.59	19.54				
5	64QAM	1	24	19.34	19.41	19.34				
5	64QAM	12	0	19.46	19.40	19.29				
5	64QAM	12	7	19.31	19.41	19.32				
5	64QAM	12	13	19.34	19.26	19.25				
5	64QAM	25	0	19.16	19.33	19.29	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
3	QPSK	1	0	19.31	19.27	19.23				
3	QPSK	1	8	19.40	19.60	19.44				
3	QPSK	1	16	19.21	19.25	19.16				
3	QPSK	8	0	19.30	19.18	19.24				
3	QPSK	8	4	19.41	19.49	19.38				
3	QPSK	8	7	19.05	19.15	19.18				
3	QPSK	15	0	19.41	19.49	19.32				
3	16QAM	1	0	19.32	19.26	19.30				
3	16QAM	1	8	19.57	19.47	19.60				
3	16QAM	1	14	19.37	19.43	19.34				
3	16QAM	8	0	19.41	19.32	19.27				
3	16QAM	8	4	19.16	19.32	19.36				
3	16QAM	8	7	19.11	19.18	19.11				
3	16QAM	15	0	19.15	19.37	19.26				
3	64QAM	1	8	19.34	19.48	19.47				
3	64QAM	1	8	19.57	19.58	19.45				
3	64QAM	1	14	19.37	19.46	19.31				
3	64QAM	8	0	19.46	19.41	19.30				
3	64QAM	8	4	19.32	19.42	19.27				
3	64QAM	8	7	19.27	19.30	19.23				
3	64QAM	15	0	19.16	19.37	19.33	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
1.4	QPSK	1	0	19.30	19.29	19.37				
1.4	QPSK	1	3	19.48	19.64	19.43				
1.4	QPSK	1	5	19.22	19.25	19.17				
1.4	QPSK	3	0	19.34	19.28	19.27				
1.4	QPSK	3	1	19.39	19.55	19.41				
1.4	QPSK	3	3	19.11	19.18	19.18				
1.4	QPSK	6	0	19.41	19.50	19.25				
1.4	16QAM	1	0	19.26	19.25	19.31				
1.4	16QAM	1	3	19.50	19.49	19.59				
1.4	16QAM	1	5	19.33	19.36	19.30				
1.4	16QAM	3	0	19.34	19.31	19.26				
1.4	16QAM	3	1	19.14	19.28	19.34				
1.4	16QAM	3	3	19.17	19.16	19.12				
1.4	16QAM	6	0	19.15	19.39	19.30				
1.4	64QAM	1	0	19.34	19.47	19.53				
1.4	64QAM	1	3	19.61	19.59	19.58				
1.4	64QAM	1	5	19.38	19.44	19.29				
1.4	64QAM	3	0	19.48	19.40	19.31				
1.4	64QAM	3	1	19.26	19.37	19.24				
1.4	64QAM	3	3	19.31	19.24	19.28				
1.4	64QAM	6	0	19.23	19.31	19.30				

Band 2_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 Frequency (MHz)								
20	QPSK	1	0	18700	18690	18700	22.5	0
20	QPSK	1	49	21.93	21.95	21.83		
20	QPSK	1	99	21.65	21.63	21.57		
20	QPSK	50	0	21.82	21.85	21.79		
20	QPSK	50	24	21.38	21.52	21.13		
20	QPSK	50	50	21.87	21.71	21.76	22.5	0
20	QPSK	100	0	21.66	21.67	21.79		
20	16QAM	1	0	21.9	21.89	21.81		
20	16QAM	1	49	21.94	21.94	21.9		
20	16QAM	1	99	21.88	21.92	21.89		
20	16QAM	50	0	21.17	21.38	21.22	22	0.5
20	16QAM	50	24	21.45	21.46	21.29		
20	16QAM	50	50	21.35	21.19	21.18		
20	16QAM	100	0	21.34	21.27	21.27		
20	16QAM	100	0	21.26	21.3	21.26		
20	64QAM	1	49	21.42	21.47	21.56	22	0.5
20	64QAM	1	99	21.4	21.51	21.41		
20	64QAM	50	0	20.18	20.52	20.19		
20	64QAM	50	24	20.41	20.47	20.43		
20	64QAM	50	50	20.4	20.34	20.24		
20	64QAM	100	0	20.44	20.39	20.19		
Channel Frequency (MHz)								
15	QPSK	1	0	18675	18690	18705	22.5	0
15	QPSK	1	49	21.52	21.57	21.44		
15	QPSK	1	97	21.85	21.84	21.77		
15	QPSK	74	0	21.58	21.65	21.69		
15	QPSK	36	0	21.80	21.81	21.69		
15	QPSK	36	20	21.84	21.81	21.79	22.5	0
15	QPSK	36	39	21.81	21.82	21.88		
15	QPSK	75	0	21.63	21.63	21.67		
15	16QAM	1	0	21.81	21.81	21.87		
15	16QAM	1	37	21.89	21.88	21.88		
15	16QAM	1	74	21.84	21.88	21.79	22	0.5
15	16QAM	36	0	21.05	21.31	21.19		
15	16QAM	36	39	21.36	21.44	21.21		
15	16QAM	36	59	21.25	21.10	21.12		
15	16QAM	75	0	21.25	21.16	21.17		
15	64QAM	1	0	21.22	21.24	21.19	22	0.5
15	64QAM	1	37	21.32	21.37	21.49		
15	64QAM	1	74	21.29	21.40	21.31		
15	64QAM	36	0	20.12	20.43	20.14		
15	64QAM	36	20	20.31	20.43	20.33		
15	64QAM	36	39	20.33	20.25	20.12		
15	64QAM	75	0	20.37	20.27	20.08		
Channel Frequency (MHz)								
10	QPSK	1	0	18650	18690	18730	22.5	0
10	QPSK	1	25	21.91	21.87	21.79		
10	QPSK	1	49	21.62	21.60	21.48		
10	QPSK	25	0	21.71	21.75	21.69		
10	QPSK	25	12	21.79	21.82	21.88		
10	QPSK	25	25	21.86	21.87	21.87	22.5	0
10	QPSK	50	0	21.82	21.85	21.87		
10	16QAM	1	0	21.88	21.79	21.84		
10	16QAM	1	25	21.85	21.80	21.79		
10	16QAM	1	49	21.86	21.82	21.82		
10	16QAM	25	0	21.13	21.33	21.10	22	0.5
10	16QAM	25	12	21.42	21.37	21.27		
10	16QAM	25	25	21.29	21.07	21.06		
10	16QAM	50	0	21.22	21.18	21.19		
10	16QAM	50	0	21.19	21.24	21.19		
10	64QAM	1	25	21.33	21.45	21.44	22	0.5
10	64QAM	1	49	21.29	21.48	21.37		
10	64QAM	25	0	20.11	20.42	20.12		
10	64QAM	25	12	20.33	20.35	20.39		
10	64QAM	25	25	20.28	20.27	20.15		
10	64QAM	50	0	20.37	20.29	20.09		
Channel Frequency (MHz)								
5	QPSK	1	0	18625	18690	18715	22.5	0
5	QPSK	1	12	21.44	21.38	21.47		
5	QPSK	1	24	21.87	21.83	21.78		
5	QPSK	12	0	21.78	21.81	21.81		
5	QPSK	12	0	21.78	21.85	21.87		
5	QPSK	12	13	21.77	21.80	21.84	22.5	0
5	QPSK	25	0	21.80	21.80	21.72		
5	16QAM	1	0	21.78	21.85	21.81		
5	16QAM	1	12	21.85	21.85	21.81		
5	16QAM	1	24	21.81	21.80	21.85		
5	16QAM	12	0	21.05	21.28	21.16	22	0.5
5	16QAM	12	7	21.42	21.36	21.27		
5	16QAM	12	13	21.25	21.10	21.13		
5	16QAM	25	0	21.25	21.23	21.15		
5	16QAM	25	0	21.24	21.21	21.16		
5	64QAM	1	12	21.39	21.38	21.50	22	0.5
5	64QAM	1	24	21.32	21.49	21.30		
5	64QAM	12	0	20.12	20.49	20.07		
5	64QAM	12	7	20.39	20.45	20.33		
5	64QAM	12	13	20.28	20.22	20.16		
5	64QAM	25	0	20.37	20.28	20.16		
Channel Frequency (MHz)								
3	QPSK	1	0	18615	18690	18785	22.5	0
3	QPSK	1	8	21.82	21.86	21.73		
3	QPSK	1	14	21.53	21.56	21.52		
3	QPSK	8	0	21.77	21.74	21.70		
3	QPSK	8	0	21.81	21.87	21.87		
3	QPSK	8	7	21.75	21.83	21.81	22.5	0
3	QPSK	15	0	21.55	21.85	21.75		
3	16QAM	1	0	21.82	21.84	21.85		
3	16QAM	1	8	21.86	21.85	21.85		
3	16QAM	1	14	21.77	21.88	21.82		
3	16QAM	8	0	21.07	21.28	21.11	22	0.5
3	16QAM	8	7	21.43	21.39	21.25		
3	16QAM	15	0	21.31	21.18	21.16		
3	64QAM	1	8	21.17	21.22	21.20		
3	64QAM	1	8	21.36	21.36	21.49		
3	64QAM	1	14	21.29	21.39	21.36	22	0.5
3	64QAM	8	0	20.16	20.45	20.13		
3	64QAM	8	7	20.36	20.44	20.40		
3	64QAM	8	7	20.38	20.32	20.21		
3	64QAM	15	0	20.39	20.36	20.16		
Channel Frequency (MHz)								
1.4	QPSK	1	0	18607	18690	18793	22.5	0
1.4	QPSK	1	3	21.86	21.83	21.74		
1.4	QPSK	1	5	21.58	21.61	21.49		
1.4	QPSK	3	0	21.77	21.74	21.69		
1.4	QPSK	3	1	21.77	21.88	21.83		
1.4	QPSK	3	3	21.76	21.69	21.64	22.5	0
1.4	QPSK	6	0	21.83	21.83	21.77		
1.4	16QAM	1	0	21.87	21.78	21.80		
1.4	16QAM	1	3	21.85	21.87	21.83		
1.4	16QAM	1	5	21.86	21.90	21.86		
1.4	16QAM	3	0	21.85	21.74	21.84	22	0.5
1.4	16QAM	3	1	21.85	21.85	21.81		
1.4	16QAM	3	3	21.85	21.94	21.85		
1.4	16QAM	6	0	21.29	21.19	21.20		
1.4	64QAM	1	3	21.33	21.37	21.47		
1.4	64QAM	1	3	21.34	21.44	21.34	22	0.5
1.4	64QAM	3	0	21.09	21.16	21.09		
1.4	64QAM	3	3	21.31	21.35	21.48		
1.4	64QAM	3	3	21.31	21.44	21.38		
1.4	64QAM	6	0	20.42	20.36	20.08		
1.4	64QAM	6	0	20.42	20.36	20.08	21	1.5

Band 4_Ant 13

BW [MHz]	Modulation	Channel	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	1720	1732.5	1745			
20	QPSK	1	49	20.12	20.25	20.27	21.5	0	
20	QPSK	1	99	20.13	20.24	20.26			
20	QPSK	50	0	20.33	20.2	20.16			
20	QPSK	50	24	20.37	20.31	20.55			
20	QPSK	50	50	20.35	20.39	20.50			
20	QPSK	100	0	20.48	20.46	20.35	21.5	0	
20	QPSK	100	0	20.52	20.53	20.37			
20	16QAM	1	0	20.59	20.61	20.59			
20	16QAM	1	49	20.56	20.55	20.59	21.5	0	
20	16QAM	1	99	20.6	20.52	20.63			
20	16QAM	50	0	20.52	20.46	20.44			
20	16QAM	50	24	20.49	20.59	20.34	21.5	0	
20	16QAM	50	50	20.45	20.55	20.37			
20	16QAM	100	0	20.35	20.39	20.37			
20	64QAM	1	0	20.59	20.53	20.61			
20	64QAM	1	49	20.61	20.54	20.49	21.5	0	
20	64QAM	1	99	20.58	20.52	20.59			
20	64QAM	50	0	20.52	20.34	20.59			
20	64QAM	50	24	20.48	20.51	20.41	21.5	0	
20	64QAM	50	50	20.49	20.57	20.37			
20	64QAM	100	0	20.44	20.51	20.39			
Channel Frequency (MHz)									
15	QPSK	1	0	1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	37	20.01	20.19	20.16	21.5	0	
15	QPSK	1	74	20.25	20.14	20.12			
15	QPSK	36	0	20.25	20.24	20.46	21.5	0	
15	QPSK	36	36	20.47	20.27	20.46			
15	QPSK	36	39	20.37	20.39	20.30			
15	QPSK	75	0	20.44	20.46	20.26			
15	16QAM	1	0	20.48	20.55	20.52	21.5	0	
15	16QAM	1	37	20.44	20.48	20.51			
15	16QAM	1	74	20.57	20.42	20.60			
15	16QAM	36	0	20.46	20.39	20.35	21.5	0	
15	16QAM	36	20	20.47	20.51	20.31			
15	16QAM	36	39	20.33	20.43	20.29			
15	16QAM	75	0	20.30	20.34	20.13			
15	64QAM	1	0	20.52	20.48	20.55	21.5	0	
15	64QAM	1	37	20.57	20.44	20.37			
15	64QAM	1	74	20.53	20.44	20.50			
15	64QAM	36	0	20.47	20.32	20.44			
15	64QAM	36	20	20.41	20.40	20.29	21.5	0	
15	64QAM	36	39	20.38	20.47	20.29			
15	64QAM	75	0	20.35	20.41	20.27			
Channel Frequency (MHz)									
10	QPSK	1	0	2000	2017.5	2035	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	25	20.06	20.18	20.16	21.5	0	
10	QPSK	1	49	20.48	20.56	20.42			
10	QPSK	25	0	20.21	20.08	20.12	21.5	0	
10	QPSK	25	12	20.51	20.54	20.47			
10	QPSK	25	25	20.42	20.36	20.31			
10	QPSK	50	0	20.41	20.43	20.28			
10	16QAM	1	0	20.51	20.50	20.46	21.5	0	
10	16QAM	1	25	20.54	20.48	20.48			
10	16QAM	1	49	20.49	20.47	20.53			
10	16QAM	25	0	20.41	20.38	20.36	21.5	0	
10	16QAM	25	12	20.43	20.47	20.37			
10	16QAM	25	25	20.38	20.52	20.27			
10	16QAM	50	0	20.26	20.27	20.07			
10	64QAM	1	0	20.52	20.50	20.59	21.5	0	
10	64QAM	1	25	20.59	20.46	20.37			
10	64QAM	1	49	20.48	20.43	20.45			
10	64QAM	25	0	20.41	20.31	20.45	21.5	0	
10	64QAM	25	12	20.42	20.43	20.33			
10	64QAM	25	25	20.46	20.52	20.29			
10	64QAM	50	0	20.40	20.49	20.35			
Channel Frequency (MHz)									
5	QPSK	1	0	1722.5	1737.5	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	20.10	20.23	20.20	21.5	0	
5	QPSK	1	24	20.47	20.52	20.39			
5	QPSK	12	0	20.37	20.18	20.13	21.5	0	
5	QPSK	12	0	20.29	20.20	20.52			
5	QPSK	12	7	20.50	20.51	20.54			
5	QPSK	12	13	20.37	20.34	20.25			
5	QPSK	25	0	20.45	20.51	20.30			
5	16QAM	1	0	20.55	20.56	20.51	21.5	0	
5	16QAM	1	12	20.50	20.45	20.48			
5	16QAM	1	24	20.58	20.41	20.60			
5	16QAM	12	0	20.49	20.44	20.37	21.5	0	
5	16QAM	12	7	20.37	20.45	20.28			
5	16QAM	12	13	20.34	20.44	20.31			
5	16QAM	25	0	20.28	20.31	20.05			
5	64QAM	1	0	20.51	20.46	20.56	21.5	0	
5	64QAM	1	12	20.50	20.47	20.37			
5	64QAM	1	24	20.48	20.45	20.48			
5	64QAM	12	0	20.41	20.24	20.48	21.5	0	
5	64QAM	12	7	20.40	20.45	20.37			
5	64QAM	12	13	20.45	20.55	20.33			
5	64QAM	25	0	20.36	20.44	20.27			
Channel Frequency (MHz)									
3	QPSK	1	0	1986.5	2017.5	2038.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	20.05	20.53	20.40	21.5	0	
3	QPSK	1	16	20.24	20.14	20.07			
3	QPSK	8	0	20.27	20.20	20.50	21.5	0	
3	QPSK	8	4	20.43	20.55	20.48			
3	QPSK	8	7	20.39	20.42	20.33			
3	QPSK	15	0	20.44	20.51	20.32			
3	16QAM	1	0	20.54	20.57	20.47	21.5	0	
3	16QAM	1	8	20.49	20.48	20.52			
3	16QAM	1	16	20.56	20.41	20.65			
3	16QAM	8	0	20.45	20.40	20.38	21.5	0	
3	16QAM	8	4	20.45	20.53	20.26			
3	16QAM	8	7	20.42	20.52	20.30			
3	16QAM	15	0	20.28	20.31	20.15			
3	64QAM	1	0	20.48	20.50	20.52	21.5	0	
3	64QAM	1	8	20.51	20.51	20.44			
3	64QAM	1	14	20.56	20.48	20.48			
3	64QAM	8	0	20.47	20.39	20.49	21.5	0	
3	64QAM	8	4	20.39	20.45	20.35			
3	64QAM	8	7	20.44	20.50	20.29			
3	64QAM	15	0	20.40	20.46	20.36			
Channel Frequency (MHz)									
1.4	QPSK	1	0	1710.7	1723.5	1734.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	3	20.07	20.20	20.14	21.5	0	
1.4	QPSK	1	5	20.50	20.54	20.38			
1.4	QPSK	3	0	20.35	20.27	20.46			
1.4	QPSK	3	1	20.43	20.52	20.48			
1.4	QPSK	3	3	20.38	20.40	20.29			
1.4	QPSK	6	0	20.42	20.49	20.33	21.5	0	
1.4	16QAM	1	0	20.57	20.57	20.51			
1.4	16QAM	1	3	20.54	20.49	20.55	21.5	0	
1.4	16QAM	1	5	20.52	20.49	20.56			
1.4	16QAM	3	0	20.46	20.38	20.33			
1.4	16QAM	3	1	20.41	20.53	20.31			
1.4	16QAM	3	3	20.34	20.49	20.29			
1.4	16QAM	6	0	20.24	20.31	20.15	21.5	0	
1.4	64QAM	1	0	20.49	20.51	20.54			
1.4	64QAM	1	3	20.56	20.50	20.47	21.5	0	
1.4	64QAM	1	5	20.50	20.45	20.46			
1.4	64QAM	3	0	20.47	20.30	20.48			
1.4	64QAM	3	1	20.40	20.47	20.37			
1.4	64QAM	3	3	20.43	20.53	20.26			
1.4	64QAM	6	0	20.37	20.41	20.27	21.5	0	

Band 4_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 Frequency (MHz)								
20	QPSK	1	0	1720	1723.5	1745		
20	QPSK	1	49	21.12	21.04	21.17	22	0
20	QPSK	1	99	20.91	20.87	20.94		
20	QPSK	50	0	21.15	21.15	21.15		
20	QPSK	50	24	21.16	21.22	21.18	22	0
20	QPSK	50	50	21.15	21.15	21.18		
20	QPSK	100	0	21.14	21.20	21.19		
20	16QAM	1	0	21.19	21.19	21.17		
20	16QAM	1	49	21.14	21.22	21.14	22	0
20	16QAM	1	99	21.21	21.14	21.16		
20	16QAM	50	0	20.31	20.35	20.25		
20	16QAM	50	24	20.29	20.36	20.26	21	1
20	16QAM	50	50	20.33	20.51	20.29		
20	16QAM	100	0	20.36	20.42	20.16		
Channel Frequency (MHz)								
15	QPSK	1	0	20025	20017.5	20036	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	37	21.02	20.96	21.14	22	0
15	QPSK	1	74	20.80	20.81	20.92		
15	QPSK	36	0	21.08	21.11	21.05		
15	QPSK	36	20	21.09	21.12	21.09	22	0
15	QPSK	36	39	21.11	21.03	21.11		
15	QPSK	75	0	21.07	21.18	21.08		
15	16QAM	1	0	21.11	21.07	21.06	22	0
15	16QAM	1	37	21.08	21.16	21.02		
15	16QAM	1	74	21.18	21.09	21.12	22	0
15	16QAM	36	0	21.14	21.11	21.05		
15	16QAM	36	20	21.12	21.08	21.11	22	0
15	16QAM	36	39	21.11	21.03	21.18		
15	16QAM	75	0	21.05	21.09	21.18		
15	64QAM	1	0	21.08	21.15	21.08		
15	64QAM	1	37	21.05	21.15	21.13	22	0
15	64QAM	1	74	21.13	21.10	21.04		
15	64QAM	36	0	20.18	20.28	20.19		
15	64QAM	36	20	20.19	20.30	20.21	21	1
15	64QAM	36	39	20.26	20.48	20.26		
15	64QAM	75	0	20.24	20.35	20.13		
Channel Frequency (MHz)								
10	QPSK	1	0	1400	1423.5	1450	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	21.12	21.18	21.11	22	0
10	QPSK	1	49	20.79	20.81	20.86		
10	QPSK	25	0	21.10	21.08	21.09		
10	QPSK	25	12	21.04	21.17	21.07	22	0
10	QPSK	25	25	21.11	21.09	21.08		
10	QPSK	50	0	21.07	21.11	21.16		
10	16QAM	1	0	21.14	21.14	21.10	22	0
10	16QAM	1	25	21.03	21.09	21.08		
10	16QAM	1	49	21.10	21.07	21.08	22	0
10	16QAM	25	0	21.08	21.04	21.07		
10	16QAM	25	12	21.11	21.14	21.10	22	0
10	16QAM	25	25	21.18	21.06	21.18		
10	16QAM	50	0	21.13	21.08	21.17		
10	64QAM	1	0	21.07	21.15	21.11	22	0
10	64QAM	1	25	21.04	21.12	21.10		
10	64QAM	1	49	21.18	21.09	21.13	22	0
10	64QAM	25	0	20.20	20.25	20.22		
10	64QAM	25	12	20.23	20.31	20.20	21	1
10	64QAM	25	25	20.23	20.47	20.25		
10	64QAM	50	0	20.25	20.37	20.19		
Channel Frequency (MHz)								
5	QPSK	1	0	1400	1423.5	1450	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	21.05	20.88	21.05	22	0
5	QPSK	1	24	20.83	20.94	20.91		
5	QPSK	12	0	21.07	21.13	21.13		
5	QPSK	12	7	21.06	21.19	21.15	22	0
5	QPSK	12	13	21.04	21.07	21.07		
5	QPSK	25	0	21.02	21.14	21.08		
5	16QAM	1	0	21.14	21.14	21.10	22	0
5	16QAM	1	12	21.03	21.12	21.08		
5	16QAM	1	24	21.19	21.05	21.05	22	0
5	16QAM	12	0	21.08	21.04	21.08		
5	16QAM	12	7	21.11	21.12	21.13	22	0
5	16QAM	12	13	21.19	21.09	21.19		
5	16QAM	25	0	21.04	21.05	21.15		
5	64QAM	1	0	21.04	21.09	21.10	22	0
5	64QAM	1	12	21.03	21.15	21.11		
5	64QAM	1	24	21.09	21.06	21.07	22	0
5	64QAM	12	0	20.27	20.29	20.19		
5	64QAM	12	7	20.26	20.31	20.19	21	1
5	64QAM	12	13	20.28	20.41	20.22		
5	64QAM	25	0	20.24	20.36	20.04		
Channel Frequency (MHz)								
3	QPSK	1	0	1400	1423.5	1450	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	21.12	21.12	21.08	22	0
3	QPSK	1	16	20.84	20.78	20.84		
3	QPSK	8	0	21.12	21.10	21.12		
3	QPSK	8	4	21.13	21.11	21.10	22	0
3	QPSK	8	7	21.05	21.06	21.08		
3	QPSK	15	0	21.11	21.16	21.14		
3	16QAM	1	0	21.13	21.12	21.05	22	0
3	16QAM	1	8	21.05	21.08	21.08		
3	16QAM	1	14	21.16	21.07	21.12	22	0
3	16QAM	8	0	21.08	21.08	21.05		
3	16QAM	8	4	21.13	21.12	21.07	22	0
3	16QAM	8	7	21.16	21.09	21.10		
3	16QAM	15	0	21.09	21.04	21.18		
3	64QAM	1	0	21.08	21.14	21.07	22	0
3	64QAM	1	8	21.07	21.10	21.13		
3	64QAM	1	14	21.12	21.12	21.13	22	0
3	64QAM	8	0	20.20	20.28	20.17		
3	64QAM	8	4	20.21	20.27	20.24	21	1
3	64QAM	8	7	20.32	20.41	20.23		
3	64QAM	15	0	20.35	20.10	20.10		
Channel Frequency (MHz)								
1.4	QPSK	1	0	19957	20017.5	20093	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	3	21.09	21.02	21.10	22	0
1.4	QPSK	1	3	21.09	21.16	21.10		
1.4	QPSK	1	3	20.79	20.80	20.81		
1.4	QPSK	3	0	21.13	21.05	21.04	22	0
1.4	QPSK	3	1	21.10	21.19	21.17		
1.4	QPSK	3	3	21.10	21.12	21.14		
1.4	QPSK	6	0	21.09	21.09	21.10	22	0
1.4	16QAM	1	0	21.07	21.15	21.07		
1.4	16QAM	1	3	21.06	21.12	21.09	22	0
1.4	16QAM	1	5	21.12	21.09	21.09		
1.4	16QAM	3	0	21.13	21.10	21.11		
1.4	16QAM	3	1	21.12	21.16	21.17	22	0
1.4	16QAM	3	3	21.15	21.08	21.11		
1.4	16QAM	6	0	21.08	21.06	21.20	22	0
1.4	64QAM	1	0	21.09	21.09	21.09		
1.4	64QAM	1	3	21.09	21.08	21.12	22	0
1.4	64QAM	3	0	21.12	21.13	21.05		
1.4	64QAM	3	1	21.11	21.12	21.12		
1.4	64QAM	3	3	21.15	21.10	21.16	21	1
1.4	64QAM	6	0	20.28	20.30	20.16		

Band 5_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 Frequency (MHz)				240.0	200.5	200.0	Tune-up limit (dBm)	MPR (dB)
				829	838.5	844		
10	QPSK	1	0	23.08	23.19	23.03	24.5	0
10	QPSK	1	25	23.10	23.22	23.07		
10	QPSK	1	49	23.11	23.11	22.96		
10	QPSK	25	0	22.03	22.13	22.09	23.5	1
10	QPSK	25	12	22.03	22.24	22.14		
10	QPSK	25	25	22.02	22.10	22.03		
10	QPSK	50	0	22.15	22.20	22.18	23.5	1
10	16QAM	1	0	22.55	22.70	22.67		
10	16QAM	1	25	22.76	22.77	22.75		
10	16QAM	1	49	22.89	22.73	22.60	22.5	2
10	16QAM	25	0	21.05	21.07	20.95		
10	16QAM	25	12	21.29	21.31	21.31		
10	16QAM	25	25	20.93	21.04	20.98	22.5	2
10	16QAM	50	0	21.07	21.11	21.02		
10	64QAM	1	0	21.49	21.50	21.39		
10	64QAM	1	25	21.53	21.54	21.49	22.5	2
10	64QAM	1	49	21.40	21.46	21.45		
10	64QAM	25	0	20.18	20.19	20.16		
10	64QAM	25	12	20.22	20.27	20.20	21.5	3
10	64QAM	25	25	20.04	20.14	20.04		
10	64QAM	50	0	20.17	20.22	20.16		
Channel Frequency (MHz)				204.25	200.5	200.5	Tune-up limit (dBm)	MPR (dB)
				829.5	838.5	846.5	Tune-up limit (dBm)	MPR (dB)
				23.04	23.05	22.90		
5	QPSK	1	0	23.17	23.08	22.95	24.5	0
5	QPSK	1	12	23.17	23.08	22.95		
5	QPSK	24	0	23.02	23.06	22.91		
5	QPSK	12	0	21.99	22.07	21.98	23.5	1
5	QPSK	12	7	22.09	22.23	22.06		
5	QPSK	12	13	21.92	22.00	22.00		
5	QPSK	25	0	22.06	22.07	22.05	23.5	1
5	16QAM	1	0	22.50	22.61	22.56		
5	16QAM	1	12	22.74	22.73	22.75		
5	16QAM	1	24	22.57	22.58	22.48	22.5	2
5	16QAM	12	0	20.90	20.89	20.92		
5	16QAM	12	7	21.29	21.19	21.17		
5	16QAM	12	13	20.83	20.90	20.91	22.5	2
5	16QAM	25	0	20.15	20.38	20.37		
5	64QAM	1	0	21.47	21.47	21.29		
5	64QAM	1	12	21.52	21.52	21.46	22.5	2
5	64QAM	1	24	21.30	21.30	21.45		
5	64QAM	12	0	20.09	20.09	20.12		
5	64QAM	12	7	20.13	20.12	20.11	21.5	3
5	64QAM	12	13	19.94	20.03	19.89		
5	64QAM	25	0	20.08	20.13	20.11		
Channel Frequency (MHz)				204.25	200.5	200.5	Tune-up limit (dBm)	MPR (dB)
				829.5	838.5	847.5	Tune-up limit (dBm)	MPR (dB)
				23.04	23.05	22.90		
3	QPSK	1	0	22.93	23.05	22.90	24.5	0
3	QPSK	1	8	23.17	23.09	23.06		
3	QPSK	1	14	23.09	23.11	22.90		
3	QPSK	8	0	21.93	22.10	21.99	23.5	1
3	QPSK	8	4	22.17	22.16	22.14		
3	QPSK	8	7	21.91	22.09	21.92		
3	QPSK	15	0	22.06	22.18	22.14	23.5	1
3	16QAM	1	0	22.40	22.70	22.63		
3	16QAM	1	8	22.65	22.74	22.69		
3	16QAM	1	14	22.45	22.70	22.46	22.5	2
3	16QAM	8	0	21.00	21.00	20.93		
3	16QAM	8	4	21.26	21.24	21.21		
3	16QAM	8	7	20.87	21.01	20.84	22.5	2
3	16QAM	15	0	20.84	21.04	20.87		
3	64QAM	1	0	21.48	21.48	21.30		
3	64QAM	1	8	21.51	21.50	21.43	22.5	2
3	64QAM	1	14	21.32	21.33	21.32		
3	64QAM	8	0	20.06	20.10	20.04		
3	64QAM	8	4	20.07	20.15	20.17	21.5	3
3	64QAM	8	7	20.04	20.08	19.99		
3	64QAM	15	0	20.02	20.11	20.02		
Channel Frequency (MHz)				204.07	200.5	200.5	Tune-up limit (dBm)	MPR (dB)
				824.7	838.5	844.3	Tune-up limit (dBm)	MPR (dB)
				23.03	23.10	23.00		
1.4	QPSK	1	0	23.03	23.10	23.00	24.5	0
1.4	QPSK	1	3	23.20	23.09	23.02		
1.4	QPSK	1	5	23.05	23.07	22.96		
1.4	QPSK	3	0	23.08	23.08	22.89	23.5	1
1.4	QPSK	3	1	23.02	22.98	22.84		
1.4	QPSK	3	3	23.03	23.06	22.96		
1.4	QPSK	6	0	22.04	22.17	22.04	22.5	2
1.4	16QAM	1	0	22.43	22.68	22.62		
1.4	16QAM	1	3	22.67	22.66	22.74		
1.4	16QAM	1	5	22.57	22.62	22.46	22.5	2
1.4	16QAM	3	0	22.46	22.66	22.55		
1.4	16QAM	3	1	22.43	22.58	22.56		
1.4	16QAM	3	3	22.52	22.64	22.54	22.5	2
1.4	16QAM	6	0	21.07	21.00	20.99		
1.4	16QAM	1	0	21.47	21.35	21.31		
1.4	64QAM	1	3	21.47	21.44	21.43	21.5	3
1.4	64QAM	1	5	21.31	21.45	21.41		
1.4	64QAM	3	0	21.07	21.09	20.99		
1.4	64QAM	3	1	21.07	21.08	21.01	21.5	3
1.4	64QAM	3	3	21.05	20.99	21.02		
1.4	64QAM	6	0	20.15	20.15	20.14		

Band 5_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 Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.93	22.78	22.92	24	0
10	QPSK	1	25	21.05	22.09	22.98		
10	QPSK	1	49	22.88	22.86	22.75		
10	QPSK	25	0	21.88	21.92	21.8	23	1
10	QPSK	25	12	22.05	22.13	21.84		
10	QPSK	25	25	22.01	21.84	21.66		
10	QPSK	50	0	22.02	22.08	22.05	23	1
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13		
10	16QAM	25	12	22.16	22.02	22.23	22	2
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.96	21.03	20.98		
10	16QAM	25	25	20.8	20.9	20.68	22	2
10	16QAM	50	0	20.96	20.95	20.9		
10	64QAM	1	0	20.95	21.27	21.33		
10	64QAM	1	25	21.41	21.37	21.18	21	3
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.96	20.02	19.94		
10	64QAM	25	12	20.1	20.12	20.03	21	3
10	64QAM	25	25	19.98	19.96	19.74		
10	64QAM	50	0	19.9	20.05	19.8		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							20.65	20.65
5	QPSK	1	0	22.78	22.71	22.82	24	0
5	QPSK	1	12	22.98	22.96	22.81		
5	QPSK	1	24	22.84	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77	23	1
5	QPSK	12	7	21.97	22.00	21.83		
5	QPSK	12	13	21.93	21.81	21.60		
5	QPSK	25	0	21.80	21.96	21.82	23	1
5	16QAM	1	0	21.83	22.05	22.02		
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.08	22	2
5	16QAM	12	0	20.91	20.90	20.74		
5	16QAM	12	7	20.86	20.89	20.92		
5	16QAM	12	13	20.80	20.80	20.67	22	2
5	16QAM	25	0	20.95	20.93	20.79		
5	64QAM	1	0	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07	22	2
5	64QAM	1	24	20.80	20.82	20.81		
5	64QAM	12	0	19.82	19.85	19.85		
5	64QAM	12	7	19.95	20.04	19.98	21	3
5	64QAM	12	13	19.88	19.92	19.69		
5	64QAM	25	0	19.81	19.88	19.69		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							20.415	20.625
3	QPSK	1	0	22.5	22.5	22.5	24	0
3	QPSK	1	8	22.90	22.97	22.85		
3	QPSK	1	14	22.88	22.76	22.60		
3	QPSK	8	0	21.77	21.80	21.67	23	1
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	21.83	21.65		
3	QPSK	15	0	21.86	22.04	21.88	23	1
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08		
3	16QAM	1	14	22.15	21.88	22.15	22	2
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.99	20.93	20.83		
3	16QAM	8	7	20.74	20.78	20.69	22	2
3	16QAM	15	0	20.88	20.85	20.68		
3	64QAM	1	0	20.95	21.23	21.29		
3	64QAM	1	8	21.41	21.33	21.04	22	2
3	64QAM	1	14	20.91	20.93	20.89		
3	64QAM	8	0	19.89	20.00	19.86		
3	64QAM	8	4	20.08	20.08	19.93	21	3
3	64QAM	8	7	19.90	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							20.007	20.665
1.4	QPSK	1	0	22.07	22.03	22.05	24	0
1.4	QPSK	1	3	22.93	22.95	22.84		
1.4	QPSK	1	14	22.87	22.74	22.65		
1.4	QPSK	3	0	22.85	22.75	22.75	23	1
1.4	QPSK	3	3	22.95	22.82	22.73		
1.4	QPSK	3	3	22.82	22.84	22.74		
1.4	QPSK	6	0	21.89	21.94	21.90	23	1
1.4	QPSK	6	0	21.93	21.99	22.10		
1.4	16QAM	1	0	21.95	22.05	22.05		
1.4	16QAM	3	0	21.98	22.07	21.81	23	1
1.4	16QAM	3	3	21.94	21.94	21.85		
1.4	16QAM	3	3	21.88	22.08	21.85		
1.4	16QAM	6	0	20.83	20.86	20.74	22	2
1.4	64QAM	1	0	20.91	21.13	21.23		
1.4	64QAM	1	3	21.03	21.02	20.75		
1.4	64QAM	1	5	21.00	21.04	20.82	22	2
1.4	64QAM	3	0	20.98	20.90	20.79		
1.4	64QAM	3	1	20.91	20.92	20.88		
1.4	64QAM	3	3	21.05	20.97	20.80	21	3
1.4	64QAM	6	0	19.96	19.95	19.85		
1.4	64QAM	6	1	19.93	19.95	19.85		

Band 7_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 Frequency (MHz)							18	0			
2510									2535	2550	
20	QPSK	1	0	17.15	17.24	16.91	18	0			
20	QPSK	1	49	17.30	17.39	17.34					
20	QPSK	1	99	17.22	17.26	17.21					
20	QPSK	50	0	17.32	17.31	17.16					
20	QPSK	50	24	17.33	17.35	17.25	18	0			
20	QPSK	50	50	17.32	17.27	17.14					
20	QPSK	100	0	17.31	17.34	17.30					
20	16QAM	1	0	17.22	17.31	17.37					
20	16QAM	1	49	17.30	17.27	17.37	18	0			
20	16QAM	1	99	17.30	17.26	17.21					
20	16QAM	50	0	17.33	17.35	17.19					
20	16QAM	50	24	17.37	17.28	17.34					
20	16QAM	50	50	17.36	17.29	17.30	18	0			
20	16QAM	100	0	17.31	17.32	17.21					
20	64QAM	1	0	17.36	17.17	17.24					
20	64QAM	1	49	17.38	17.33	17.28		18	0		
20	64QAM	1	99	17.37	17.25	17.32					
20	64QAM	50	0	17.21	17.27	17.11					
20	64QAM	50	24	17.30	17.34	17.34					
20	64QAM	50	50	17.27	17.34	17.24	18	0			
20	64QAM	100	0	17.37	17.30	17.19					
Channel Frequency (MHz)							2597.5	26100	26375	Tune-up limit (dBm)	MPR (dB)
2607.5							26100	2625.5	18	0	
17.03							17.20	16.89			
15	QPSK	1	0	17.03 <td>17.27<td>17.31<td rowspan="4">18</td><td rowspan="4">0</td></td></td>	17.27 <td>17.31<td rowspan="4">18</td><td rowspan="4">0</td></td>	17.31 <td rowspan="4">18</td> <td rowspan="4">0</td>	18	0			
15	QPSK	1	37	17.27 <td>17.31<td>17.22</td></td>	17.31 <td>17.22</td>	17.22					
15	QPSK	1	74	17.20 <td>17.23<td>17.12</td></td>	17.23 <td>17.12</td>	17.12					
15	QPSK	36	0	17.21 <td>17.24<td>17.09</td></td>	17.24 <td>17.09</td>	17.09					
15	QPSK	36	20	17.23 <td>17.32<td>17.25</td><td rowspan="4">18</td><td rowspan="4">0</td></td>	17.32 <td>17.25</td> <td rowspan="4">18</td> <td rowspan="4">0</td>	17.25	18	0			
15	QPSK	36	36	17.20 <td>17.23<td>17.03</td></td>	17.23 <td>17.03</td>	17.03					
15	QPSK	75	0	17.24 <td>17.30<td>17.18</td></td>	17.30 <td>17.18</td>	17.18					
15	16QAM	1	0	17.10 <td>17.19<td>17.26</td></td>	17.19 <td>17.26</td>	17.26					
15	16QAM	1	37	17.22 <td>17.15<td>17.32</td><td rowspan="4">18</td><td rowspan="4">0</td></td>	17.15 <td>17.32</td> <td rowspan="4">18</td> <td rowspan="4">0</td>	17.32	18	0			
15	16QAM	1	74	17.20 <td>16.94<td>17.08</td></td>	16.94 <td>17.08</td>	17.08					
15	16QAM	36	0	17.24	17.23 <td>17.14</td>	17.14					
15	16QAM	36	20	17.33	17.23 <td>17.29</td>	17.29					
15	16QAM	36	36	17.28 <td>17.19<td>17.19</td><td rowspan="7">18</td><td rowspan="3">0</td></td>	17.19 <td>17.19</td> <td rowspan="7">18</td> <td rowspan="3">0</td>	17.19	18	0			
15	16QAM	75	0	17.25	17.23 <td>17.06</td>	17.06					
15	64QAM	1	0	17.32	17.15 <td>17.20</td>	17.20					
15	64QAM	1	37	17.36	17.30 <td>17.25</td> <td rowspan="4">18</td> <td rowspan="4">0</td>	17.25		18	0		
15	64QAM	1	74	17.33	17.13 <td>17.26</td>	17.26					
15	64QAM	36	0	17.16	17.20 <td>17.02</td>	17.02					
15	64QAM	36	20	17.20	17.22	17.22					
15	64QAM	36	36	17.21	17.27	17.13	18	0			
15	64QAM	75	0	17.33	17.28	17.17					
Channel Frequency (MHz)							26800	27100	27400	Tune-up limit (dBm)	MPR (dB)
27000							27100	2725	18	0	
17.06							17.15	16.83			
10	QPSK	1	0	17.06	17.28	17.29	18	0			
10	QPSK	1	25	17.28	17.29	17.26					
10	QPSK	1	49	17.15	17.21	17.05					
10	QPSK	25	0	17.29	17.23	17.08					
10	QPSK	25	12	17.29	17.24	17.32	18	0			
10	QPSK	25	25	17.29	17.18	17.02					
10	QPSK	50	0	17.29	17.32	17.20					
10	16QAM	1	0	17.18	17.19	17.25					
10	16QAM	1	25	17.24	17.15	17.31	18	0			
10	16QAM	1	49	17.22	17.00	17.06					
10	16QAM	25	0	17.22	17.26	17.16					
10	16QAM	25	12	17.34	17.16	17.28					
10	16QAM	25	25	17.29	17.16	17.24	18	0			
10	16QAM	50	0	17.19	17.25	17.18					
10	64QAM	1	0	17.28	17.15	17.21					
10	64QAM	1	25	17.32	17.27	17.25		18	0		
10	64QAM	1	49	17.32	17.15	17.26					
10	64QAM	25	0	17.12	17.19	17.01					
10	64QAM	25	12	17.18	17.32	17.27					
10	64QAM	25	25	17.23	17.29	17.13	18	0			
10	64QAM	50	0	17.29	17.22	17.15					
Channel Frequency (MHz)							20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
20975							21100	2125	18	0	
17.06							17.15	16.82			
5	QPSK	1	0	17.12	17.16	16.82	18	0			
5	QPSK	1	12	17.25	17.34	17.32					
5	QPSK	1	24	17.10	17.16	17.15					
5	QPSK	12	0	17.24	17.23	17.08					
5	QPSK	12	7	17.29	17.26	17.24	18	0			
5	QPSK	12	13	17.30	17.23	17.02					
5	QPSK	25	0	17.19	17.22	17.24					
5	16QAM	1	0	17.16	17.22	17.32					
5	16QAM	1	12	17.27	17.16	17.34	18	0			
5	16QAM	1	24	17.26	17.00	17.06					
5	16QAM	12	0	17.31	17.23	17.11					
5	16QAM	12	7	17.35	17.21	17.28					
5	16QAM	12	13	17.24	17.17	17.22	18	0			
5	16QAM	25	0	17.25	17.28	17.18					
5	64QAM	1	0	17.31	17.15	17.20					
5	64QAM	1	12	17.32	17.22	17.20					
5	64QAM	1	24	17.31	17.13	17.28	18	0			
5	64QAM	12	0	17.09	17.21	17.08					
5	64QAM	12	7	17.26	17.23	17.28					
5	64QAM	12	13	17.17	17.28	17.22					
5	64QAM	25	0	17.27	17.24	17.10					

Band 7_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 Frequency (MHz)				20850	21100	21350		
				22.0	22.5	22.6		
20	QPSK	1	0	22.05	22.07	22.02	23	0
20	QPSK	1	49	22.10	22.11	22.09		
20	QPSK	1	99	22.05	22.08	22.06		
20	QPSK	50	0	21.93	22.03	21.83		
20	QPSK	50	24	22.03	22.10	21.85	23	0
20	QPSK	50	50	22.07	22.08	21.97		
20	QPSK	100	0	22.07	22.09	22.07		
20	16QAM	1	0	22.02	22.03	22.03		
20	16QAM	1	49	22.05	22.03	22.04	23	0
20	16QAM	1	99	22.01	22.08	22.06		
20	16QAM	50	0	21.17	21.37	21.14		
20	16QAM	50	24	21.30	21.40	21.38		
20	16QAM	50	50	21.35	21.42	21.06	22	1
20	16QAM	100	0	21.22	21.42	21.12		
20	64QAM	1	0	21.38	21.25	21.27		
20	64QAM	1	49	21.12	21.38	21.16		
20	64QAM	1	99	21.40	21.40	21.24	22	1
20	64QAM	50	0	20.28	20.28	20.15		
20	64QAM	50	24	20.28	20.41	20.21		
20	64QAM	50	50	20.38	20.36	20.11		
20	64QAM	100	0	20.28	20.46	20.17	21	2
Channel Frequency (MHz)				20850	21100	21375	Tune-up limit (dBm)	MPR (dB)
				2207.5	2235	2262.5		
15	QPSK	1	0	22.03	21.95	21.97	23	0
15	QPSK	1	37	22.07	22.05	22.01		
15	QPSK	1	74	21.95	21.97	21.86		
15	QPSK	36	0	21.81	21.97	21.71		
15	QPSK	36	20	21.90	22.00	21.89	23	0
15	QPSK	36	36	22.01	22.02	21.87		
15	QPSK	75	0	22.01	22.01	22.02		
15	16QAM	1	0	21.95	21.94	21.92		
15	16QAM	1	37	21.97	21.96	21.93	23	0
15	16QAM	1	74	21.95	21.99	22.04		
15	16QAM	36	0	21.08	21.25	21.11		
15	16QAM	36	20	21.20	21.28	21.26		
15	16QAM	36	36	21.28	21.37	21.04	22	1
15	16QAM	75	0	21.16	21.30	21.01		
15	64QAM	1	0	21.27	21.13	21.18		
15	64QAM	1	37	21.04	21.27	21.13		
15	64QAM	1	74	21.29	21.35	21.16	22	1
15	64QAM	36	0	20.24	20.24	20.10		
15	64QAM	36	20	20.17	20.30	20.09		
15	64QAM	36	36	20.31	20.31	20.03		
15	64QAM	75	0	20.19	20.43	20.06	21	2
Channel Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
				22.0	22.5	22.6		
10	QPSK	1	0	22.00	22.02	21.94	23	0
10	QPSK	1	25	22.00	22.08	22.04		
10	QPSK	1	49	21.98	21.95	22.00		
10	QPSK	25	0	21.89	21.91	21.77		
10	QPSK	25	12	22.04	22.05	21.87	23	0
10	QPSK	25	25	21.98	21.98	21.91		
10	QPSK	50	0	22.01	22.04	22.00		
10	16QAM	1	0	22.00	22.00	21.91		
10	16QAM	1	25	21.99	21.99	21.94	23	0
10	16QAM	1	49	21.98	21.97	22.01		
10	16QAM	25	0	21.10	21.26	21.09		
10	16QAM	25	12	21.22	21.30	21.33		
10	16QAM	25	25	21.24	21.36	20.98	22	1
10	16QAM	50	0	21.16	21.35	21.06		
10	64QAM	1	0	21.28	21.22	21.18		
10	64QAM	1	25	21.02	21.24	21.08		
10	64QAM	1	49	21.34	21.38	21.20	22	1
10	64QAM	25	0	20.26	20.17	20.05		
10	64QAM	25	12	20.24	20.29	20.13		
10	64QAM	25	25	20.33	20.25	20.01		
10	64QAM	50	0	20.24	20.38	20.05	21	2
Channel Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
				2202.5	2235	2267.5		
5	QPSK	1	0	22.03	22.00	21.90	23	0
5	QPSK	1	12	22.04	22.01	22.05		
5	QPSK	1	24	21.98	22.00	21.99		
5	QPSK	12	0	21.82	22.00	21.72		
5	QPSK	12	7	22.08	21.99	21.93	23	0
5	QPSK	12	13	22.04	22.03	21.90		
5	QPSK	25	0	22.01	22.03	22.02		
5	16QAM	1	0	21.92	21.98	21.91		
5	16QAM	1	12	22.01	21.97	22.02	23	0
5	16QAM	1	24	21.98	21.99	22.04		
5	16QAM	12	0	21.08	21.27	21.09		
5	16QAM	12	7	21.19	21.36	21.34		
5	16QAM	12	13	21.24	21.39	21.02	22	1
5	16QAM	25	0	21.10	21.30	21.05		
5	64QAM	1	0	21.31	21.20	21.16		
5	64QAM	1	12	21.04	21.24	21.14		
5	64QAM	1	24	21.29	21.29	21.10	22	1
5	64QAM	12	0	20.23	20.15	20.03		
5	64QAM	12	7	20.17	20.29	20.15		
5	64QAM	12	13	20.26	20.34	19.96		
5	64QAM	25	0	20.23	20.34	20.15	21	2

Band 12_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								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.80	22.72	22.84	24	0
10	QPSK	1	25	22.98	23.01	22.93		
10	QPSK	1	49	22.93	23.03	22.89		
10	QPSK	25	0	21.66	21.83	21.80	23	1
10	QPSK	25	12	21.68	21.88	21.80		
10	QPSK	25	25	21.80	21.87	21.83		
10	QPSK	50	0	21.79	21.98	21.95	23	1
10	16QAM	1	0	21.74	22.37	22.08		
10	16QAM	1	25	22.11	22.11	22.57		
10	16QAM	1	49	22.58	22.58	22.73	22	2
10	16QAM	25	0	20.72	20.98	20.84		
10	16QAM	25	12	21.00	20.92	20.94		
10	16QAM	25	25	20.96	20.92	20.79	22	2
10	16QAM	50	0	20.84	20.88	20.90		
10	64QAM	1	0	20.86	21.22	21.22		
10	64QAM	1	25	21.37	21.40	21.35	22	2
10	64QAM	1	49	21.33	21.14	20.96		
10	64QAM	25	0	19.82	19.93	19.96		
10	64QAM	25	12	20.10	20.06	19.99	21	3
10	64QAM	25	25	19.99	19.94	19.94		
10	64QAM	50	0	19.95	19.94	20.00		
Channel				23035	23095	23155	Tune-up limit	MPR
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	0	22.73	22.84	22.76	24	0
5	QPSK	1	12	22.83	22.86	22.87		
5	QPSK	1	24	22.89	22.71	22.87		
5	QPSK	12	0	21.54	21.74	21.65	23	1
5	QPSK	12	7	21.66	21.74	21.68		
5	QPSK	12	13	21.69	21.84	21.73		
5	QPSK	25	0	21.71	21.98	21.85	23	1
5	16QAM	1	0	21.72	22.32	21.99		
5	16QAM	1	12	21.97	22.06	22.45		
5	16QAM	1	24	22.41	22.41	22.07	22	2
5	16QAM	12	0	20.66	20.83	20.71		
5	16QAM	12	7	20.91	20.92	20.79		
5	16QAM	12	13	20.90	20.92	20.66	22	2
5	16QAM	25	0	20.81	20.78	20.83		
5	64QAM	1	0	20.84	21.10	21.12		
5	64QAM	1	12	21.28	21.27	21.33	22	2
5	64QAM	1	24	21.31	21.09	20.95		
5	64QAM	12	0	19.82	19.82	19.84		
5	64QAM	12	7	19.97	19.96	19.88	21	3
5	64QAM	12	13	19.87	19.89	19.80		
5	64QAM	25	0	19.83	19.89	19.85		
Channel				23025	23095	23165	Tune-up limit	MPR
Frequency (MHz)				701.5	707.5	714.5	(dBm)	(dB)
3	QPSK	1	0	22.77	22.82	22.78	24	0
3	QPSK	1	8	22.91	22.98	22.78		
3	QPSK	1	14	22.78	22.75	22.80		
3	QPSK	8	0	21.83	21.80	21.74	23	1
3	QPSK	8	4	21.85	21.75	21.75		
3	QPSK	8	7	21.67	21.82	21.74		
3	QPSK	15	0	21.78	21.85	21.90	23	1
3	16QAM	1	0	21.70	22.28	22.04		
3	16QAM	1	8	21.96	22.06	22.54		
3	16QAM	1	14	22.46	22.38	22.08	22	2
3	16QAM	8	0	20.57	20.80	20.72		
3	16QAM	8	4	20.87	20.81	20.90		
3	16QAM	8	7	20.94	20.88	20.79	22	2
3	16QAM	15	0	20.82	20.82	20.90		
3	64QAM	1	0	20.80	21.16	21.13		
3	64QAM	1	8	21.37	21.30	21.23	22	2
3	64QAM	1	14	21.33	21.02	20.84		
3	64QAM	8	0	19.87	19.88	19.83		
3	64QAM	8	4	20.04	19.94	19.85	21	3
3	64QAM	8	7	19.86	19.89	19.84		
3	64QAM	15	0	19.85	19.93	19.90		
Channel				23017	23095	23173	Tune-up limit	MPR
Frequency (MHz)				699.7	707.5	715.3	(dBm)	(dB)
1.4	QPSK	1	0	22.70	22.74	22.81	24	0
1.4	QPSK	1	3	22.80	22.81	22.85		
1.4	QPSK	1	5	22.80	22.85	22.72		
1.4	QPSK	3	0	22.79	22.82	22.71	23	1
1.4	QPSK	3	1	22.69	22.83	22.74		
1.4	QPSK	3	3	22.81	22.82	22.70		
1.4	QPSK	6	0	21.82	21.87	21.88	23	1
1.4	16QAM	1	0	22.27	21.89	21.92		
1.4	16QAM	1	3	22.19	22.19	21.86		
1.4	16QAM	1	5	21.94	21.97	21.87	23	1
1.4	16QAM	3	0	21.70	21.77	21.78		
1.4	16QAM	3	1	21.83	21.93	21.91		
1.4	16QAM	3	3	21.84	21.73	21.92	22	2
1.4	16QAM	6	0	21.07	21.05	20.99		
1.4	16QAM	1	0	21.25	21.03	20.85		
1.4	64QAM	1	3	21.24	20.89	20.94	22	2
1.4	64QAM	1	5	20.90	21.05	21.19		
1.4	64QAM	3	0	20.95	21.23	21.24		
1.4	64QAM	3	1	21.10	20.76	21.13	21	3
1.4	64QAM	3	3	21.07	21.12	20.99		
1.4	64QAM	6	0	19.95	19.95	19.94		

Band 12_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				23000	23000	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.71	22.81	22.85	24	0
10	QPSK	1	25	22.68	22.82	22.83		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.85	21.64	23	1
10	QPSK	25	12	21.74	21.83	21.79		
10	QPSK	25	25	21.73	21.88	21.66		
10	QPSK	50	0	21.86	21.75	21.73	23	1
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01		
10	16QAM	25	0	22.04	22.29	22.07	22	2
10	16QAM	25	12	20.70	20.66	20.82		
10	16QAM	25	12	20.86	20.85	20.79		
10	16QAM	25	25	20.94	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.76		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91	22	2
10	64QAM	1	49	20.93	20.94	20.85		
10	64QAM	25	0	19.88	19.79	19.75		
10	64QAM	25	12	19.91	19.90	19.91	21	3
10	64QAM	25	25	19.88	19.90	19.93		
10	64QAM	50	0	19.74	19.80	19.86		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.80	22.58	24	0
5	QPSK	1	12	22.76	22.83	22.83		
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.84	21.64	23	1
5	QPSK	12	7	21.69	21.80	21.76		
5	QPSK	12	13	21.71	21.83	21.51		
5	QPSK	25	0	21.53	21.72	21.71	23	1
5	16QAM	1	0	21.96	22.06	22.00		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	22	2
5	16QAM	12	0	20.58	20.51	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.78	20.72	22	2
5	16QAM	25	0	20.17	20.77	20.61		
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.92	20.84	20.77	22	2
5	64QAM	1	24	20.86	20.79	20.79		
5	64QAM	12	0	19.55	19.69	19.70		
5	64QAM	12	7	19.77	19.81	19.78	21	3
5	64QAM	12	13	19.79	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.73		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	714.5		
3	QPSK	1	0	22.69	22.82	22.82	24	0
3	QPSK	1	8	22.85	22.82	22.85		
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	21.41	21.63	21.58	23	1
3	QPSK	8	4	21.68	21.72	21.68		
3	QPSK	8	7	21.61	21.56	21.61		
3	16QAM	15	0	21.84	21.86	21.82	23	1
3	16QAM	1	0	22.01	22.11	21.96		
3	16QAM	1	8	22.19	22.31	21.98		
3	16QAM	1	14	21.88	21.83	21.88	22	2
3	16QAM	8	0	20.55	20.64	20.82		
3	16QAM	8	4	20.84	20.84	20.69		
3	16QAM	8	7	20.83	20.71	20.69	22	2
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.95	21.05		
3	64QAM	1	8	21.00	20.80	20.80	22	2
3	64QAM	1	14	20.85	20.82	20.81		
3	64QAM	8	0	19.64	19.70	19.71		
3	64QAM	8	4	19.87	19.77	19.80	21	3
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76		
Channel				23017	23075	23135	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.70	22.57	22.62	24	0
1.4	QPSK	1	3	22.73	22.50	22.83		
1.4	QPSK	1	6	22.68	22.73	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71	23	1
1.4	QPSK	3	1	22.82	22.82	22.74		
1.4	QPSK	3	3	22.76	22.80	22.68		
1.4	QPSK	6	0	21.70	21.81	21.64	23	1
1.4	QPSK	1	0	22.00	22.05	21.91		
1.4	16QAM	1	22	22.28	22.38	21.98		
1.4	16QAM	1	5	22.02	22.29	22.04	23	2
1.4	16QAM	3	0	21.99	22.03	22.02		
1.4	16QAM	3	22	22.03	22.11	21.85		
1.4	16QAM	3	3	21.99	22.13	22.03	22	2
1.4	64QAM	6	0	20.81	20.90	20.82		
1.4	64QAM	1	0	20.90	20.90	20.90		
1.4	64QAM	1	3	20.95	20.79	20.88	22	2
1.4	64QAM	1	5	20.81	20.94	20.72		
1.4	64QAM	3	0	20.83	20.94	21.06		
1.4	64QAM	3	1	20.86	20.99	20.96	21	3
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	6	1	19.68	19.69	19.73		



Band 13_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 Frequency (MHz)				23200			24	0	
				762					
10	QPSK	1	0		23.01		23	1	
10	QPSK	1	25		23.05				
10	QPSK	1	49		22.98				
10	QPSK	25	0		21.80				
10	QPSK	25	12		21.88				
10	QPSK	25	25		21.89		23	1	
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.25				
10	16QAM	1	25		22.37				
10	16QAM	1	49		22.43				
10	16QAM	25	0		20.96		22	2	
10	16QAM	25	12		21.15				
10	16QAM	25	25		20.96				
10	16QAM	50	0		20.96				
10	64QAM	1	0		21.15				
10	64QAM	1	25		21.08		22	2	
10	64QAM	1	49		21.32				
10	64QAM	25	0		19.90				
10	64QAM	25	12		20.08				
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.95		21	3	
Channel Frequency (MHz)				23205			24	0	
				765					
5	QPSK	1	0	22.99	22.95	22.96	23	1	
5	QPSK	1	12	22.86	22.80	22.83			
5	QPSK	1	24	22.97	22.83	22.96			
5	QPSK	12	0	21.79	21.72	21.76			
5	QPSK	12	7	21.96	21.87	21.86			
5	QPSK	12	13	21.84	21.76	21.80	23	1	
5	QPSK	25	0	21.88	21.77	21.84			
5	16QAM	1	0	22.21	22.20	22.12			
5	16QAM	1	12	22.37	22.29	22.27			
5	16QAM	1	24	22.32	22.28	22.37			
5	16QAM	12	0	20.72	20.64	20.73	22	2	
5	16QAM	12	7	21.01	21.11	21.10			
5	16QAM	12	13	20.88	20.83	20.88			
5	16QAM	25	0	20.95	20.88	20.85			
5	64QAM	1	0	21.00	21.10	21.07			
5	64QAM	1	12	21.06	21.04	21.06	22	2	
5	64QAM	1	24	21.22	21.15	21.24			
5	64QAM	12	0	19.90	19.82	19.89			
5	64QAM	12	7	20.02	19.97	20.02			
5	64QAM	12	13	19.91	19.85	19.94			
5	64QAM	25	0	19.80	19.80	19.75	21	3	

Band 13_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 Frequency (MHz)				23200			24	0	
				762					
10	QPSK	1	0		22.83		23	1	
10	QPSK	1	25		22.88				
10	QPSK	1	49		22.85				
10	QPSK	25	0		21.67				
10	QPSK	25	12		21.67				
10	QPSK	25	25		21.74		23	1	
10	QPSK	50	0		21.76				
10	16QAM	1	0		21.98				
10	16QAM	1	25		22.01				
10	16QAM	1	49		21.95				
10	16QAM	25	0		20.75		22	2	
10	16QAM	25	12		20.79				
10	16QAM	25	25		20.68				
10	16QAM	50	0		20.78				
10	64QAM	1	0		21.06				
10	64QAM	1	25		21.16		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.85				
10	64QAM	25	12		19.98				
10	64QAM	25	25		19.73				
10	64QAM	50	0		19.76		21	3	
Channel Frequency (MHz)				23205			24	0	
				765					
5	QPSK	1	0	22.82	22.73	22.83	23	1	
5	QPSK	1	12	22.81	22.85	22.74			
5	QPSK	1	24	22.72	22.80	22.79			
5	QPSK	12	0	21.53	21.61	21.60			
5	QPSK	12	7	21.85	21.87	21.85			
5	QPSK	12	13	21.05	21.73	21.67	23	1	
5	QPSK	25	0	21.75	21.65	21.62			
5	16QAM	1	0	21.93	21.85	21.89			
5	16QAM	1	12	21.94	21.87	21.91			
5	16QAM	1	24	21.91	21.89	21.89			
5	16QAM	12	0	20.70	20.66	20.69	22	2	
5	16QAM	12	7	20.64	20.68	20.76			
5	16QAM	12	13	20.57	20.67	20.58			
5	16QAM	25	0	20.77	20.75	20.76			
5	64QAM	1	0	21.04	21.02	21.05			
5	64QAM	1	12	21.16	21.06	21.16	22	2	
5	64QAM	1	24	20.65	20.91	20.82			
5	64QAM	12	0	19.70	19.71	19.79			
5	64QAM	12	7	19.85	19.74	19.78			
5	64QAM	12	13	19.72	19.69	19.64			
5	64QAM	25	0	19.67	19.66	19.75	21	3	

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.73	22.85	22.86		
10	QPSK	1	25	22.81	22.85	22.86		
10	QPSK	1	49	22.86	22.86	22.93	23	1
10	QPSK	25	0	21.80	21.77	21.72		
10	QPSK	25	12	21.83	21.80	21.85		
10	QPSK	25	25	21.81	21.84	21.75	23	1
10	QPSK	50	0	21.81	21.88	21.78		
10	16QAM	1	0	22.08	22.04	22.35		
10	16QAM	1	25	22.49	22.05	22.05	23	1
10	16QAM	1	49	22.35	22.05	22.23		
10	16QAM	25	0	20.86	20.82	20.77		
10	16QAM	25	12	20.88	20.94	20.87	22	2
10	16QAM	25	25	21.00	20.84	20.84		
10	16QAM	50	0	20.81	20.83	20.83		
10	64QAM	1	0	21.19	21.16	21.14	22	2
10	64QAM	1	25	21.39	21.27	21.21		
10	64QAM	1	49	21.12	21.16	21.09		
10	64QAM	25	0	19.94	19.88	19.89	21	3
10	64QAM	25	12	20.00	19.92	19.98		
10	64QAM	25	25	19.95	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.58	22.72	22.86	24	0
5	QPSK	1	12	22.87	22.86	22.86		
5	QPSK	1	24	22.74	22.76	22.85		
5	QPSK	12	0	21.74	21.7	21.67	23	1
5	QPSK	12	7	21.75	21.78	21.8		
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.76	21.82	21.65	23	1
5	16QAM	1	0	22.04	22.01	22.28		
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14	22	2
5	16QAM	12	0	20.79	20.69	20.74		
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82	22	2
5	16QAM	25	0	20.76	20.68	20.68		
5	16QAM	25	0	20.76	20.68	20.68		
5	64QAM	1	0	21.11	21.09	21.09	22	2
5	64QAM	1	12	21.32	21.18	21.07		
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76	21	3
5	64QAM	12	7	19.98	19.86	19.84		
5	64QAM	12	13	19.8	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.69	22.72	22.82		
10	QPSK	1	25	22.81	22.88	22.82		
10	QPSK	1	49	22.72	22.70	22.75	23	1
10	QPSK	25	0	21.64	21.73	21.59		
10	QPSK	25	12	21.73	21.78	21.77		
10	QPSK	25	25	21.69	21.74	21.64	23	1
10	QPSK	50	0	21.70	21.72	21.66		
10	16QAM	1	0	21.80	22.07	22.15		
10	16QAM	1	25	21.76	22.04	21.89	23	1
10	16QAM	1	49	22.10	22.09	21.91		
10	16QAM	25	0	20.78	20.73	20.73		
10	16QAM	25	12	20.79	20.79	20.76	22	2
10	16QAM	25	25	20.79	20.72	20.71		
10	16QAM	50	0	20.81	20.78	20.71		
10	64QAM	1	0	20.92	20.73	21.10	22	2
10	64QAM	1	25	20.91	21.18	20.96		
10	64QAM	1	49	20.79	20.93	21.08		
10	64QAM	25	0	19.76	19.80	19.76	21	3
10	64QAM	25	12	19.86	19.90	19.89		
10	64QAM	25	25	19.87	19.83	19.67		
10	64QAM	50	0	19.89	19.79	19.69	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.64	22.82	22.80	24	0
5	QPSK	1	12	22.71	22.80	22.79		
5	QPSK	1	24	22.57	22.81	22.8		
5	QPSK	12	0	21.60	21.71	21.45	23	1
5	QPSK	12	7	21.59	21.72	21.64		
5	QPSK	12	13	21.62	21.69	21.62		
5	QPSK	25	0	21.66	21.69	21.53	23	1
5	16QAM	1	0	21.69	22.03	22.13		
5	16QAM	1	12	21.64	21.94	21.81		
5	16QAM	1	24	22.03	22.07	21.88	22	2
5	16QAM	12	0	20.66	20.70	20.68		
5	16QAM	12	7	20.75	20.74	20.72		
5	16QAM	12	13	20.85	20.69	20.68	22	2
5	16QAM	25	0	20.73	20.77	20.65		
5	64QAM	1	0	20.80	20.81	21.09		
5	64QAM	1	12	20.84	21.08	20.92	22	2
5	64QAM	1	24	20.64	20.81	21.05		
5	64QAM	12	0	19.72	19.76	19.65		
5	64QAM	12	7	19.93	19.78	19.78	21	3
5	64QAM	12	13	19.73	19.68	19.60		
5	64QAM	25	0	19.79	19.66	19.61		

Band 18_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 Frequency (MHz)				23925						
				822.5						
15	QPSK	1	0		22.97		24.5	0		
15	QPSK	1	37		23.20					
15	QPSK	1	74		23.00					
15	QPSK	36	0		22.12		23.5	1		
15	QPSK	36	20		22.31					
15	QPSK	36	39		22.25					
15	QPSK	75	0		22.23		23.5	1		
15	16QAM	1	0		22.24					
15	16QAM	1	37		22.51					
15	16QAM	1	74		22.53		22.5	2		
15	16QAM	36	0		21.17					
15	16QAM	36	20		21.27					
15	16QAM	36	39		21.16		22.5	2		
15	16QAM	75	0		21.28					
15	64QAM	1	0		21.17					
15	64QAM	1	37		21.38		22.5	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.24					
15	64QAM	36	20		20.19		21.5	3		
15	64QAM	36	39		20.25					
15	64QAM	75	0		20.16					
Channel Frequency (MHz)				23900			Tune-up limit (dBm)	MPR (dB)		
				820						
10	QPSK	1	0		22.92	22.91	24.5	0		
10	QPSK	1	25		23.17	23.09				
10	QPSK	1	49		22.93	22.89				
10	QPSK	25	0		22.00	22.05	23.5	1		
10	QPSK	25	12		22.17	22.17				
10	QPSK	25	25		22.25	22.14				
10	QPSK	50	0		22.23	22.20	23.5	1		
10	16QAM	1	0		22.09	22.13				
10	16QAM	1	25		22.42	22.47				
10	16QAM	1	49		22.49	22.53	22.5	2		
10	16QAM	25	0		21.05	21.02				
10	16QAM	25	12		21.13	21.22				
10	16QAM	25	25		21.13	21.07	22.5	2		
10	16QAM	50	0		21.18	21.19				
10	64QAM	1	0		21.02	21.11				
10	64QAM	1	25		21.34	21.29	22.5	2		
10	64QAM	1	49		20.93	20.86				
10	64QAM	25	0		20.24	20.21				
10	64QAM	25	12		20.10	20.09	21.5	3		
10	64QAM	25	25		20.23	20.17				
10	64QAM	50	0		20.08	20.09				
Channel Frequency (MHz)				23975			Tune-up limit (dBm)	MPR (dB)		
				817.5						
5	QPSK	1	0		22.93	22.91	24.5	0		
5	QPSK	1	12		23.16	23.17				
5	QPSK	1	24		22.98	22.87				
5	QPSK	12	0		22.01	22.01	23.5	1		
5	QPSK	12	7		22.19	22.27				
5	QPSK	12	13		22.22	22.14				
5	QPSK	25	0		22.12	22.16	23.5	1		
5	16QAM	1	0		22.17	22.09				
5	16QAM	1	12		22.39	22.42				
5	16QAM	1	24		22.50	22.52	22.5	2		
5	16QAM	12	0		21.02	21.03				
5	16QAM	12	7		21.20	21.22				
5	16QAM	12	13		21.16	21.10	22.5	2		
5	16QAM	25	0		21.29	21.17				
5	16QAM	1	0		21.07	21.17				
5	64QAM	1	12		21.32	21.23	22.5	2		
5	64QAM	1	24		20.95	21.00				
5	64QAM	12	0		20.21	20.10				
5	64QAM	12	7		20.07	20.10	21.5	3		
5	64QAM	12	13		20.20	20.10				
5	64QAM	25	0		20.05	20.09				

Band 18_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 Frequency (MHz)				23925						
				822.5						
15	QPSK	1	0		22.76		24	0		
15	QPSK	1	37		22.53					
15	QPSK	1	74		22.89					
15	QPSK	36	0		21.88		23	1		
15	QPSK	36	20		21.96					
15	QPSK	36	39		21.88					
15	QPSK	75	0		21.91		23	1		
15	16QAM	1	0		22.12					
15	16QAM	1	37		22.50					
15	16QAM	36	74		22.06		22	2		
15	16QAM	36	0		20.94					
15	16QAM	36	20		20.99					
15	16QAM	36	39		21.01		22	2		
15	16QAM	75	0		20.95					
15	64QAM	1	0		20.95					
15	64QAM	1	37		21.33		22	2		
15	64QAM	1	74		21.21					
15	64QAM	36	0		19.93					
15	64QAM	36	20		19.97		21	3		
15	64QAM	36	39		19.99					
15	64QAM	75	0		19.93					
Channel Frequency (MHz)				23900			Tune-up limit (dBm)	MPR (dB)		
				820						
10	QPSK	1	0		22.61	22.64	24	0		
10	QPSK	1	25		22.83	22.87				
10	QPSK	1	49		22.75	22.84				
10	QPSK	25	0		21.84	21.81	23	1		
10	QPSK	25	12		21.87	21.86				
10	QPSK	25	25		21.76	21.73				
10	QPSK	50	0		21.77	21.82	23	1		
10	16QAM	1	0		22.09	22.05				
10	16QAM	1	25		22.44	22.40				
10	16QAM	1	49		22.03	21.99	22	2		
10	16QAM	25	0		20.92	20.99				
10	16QAM	25	12		20.94	20.87				
10	16QAM	25	25		21.01	20.95	21	3		
10	16QAM	50	0		20.81	20.94				
10	64QAM	1	0		21.05	21.00				
10	64QAM	1	25		21.27	21.32	22	2		
10	64QAM	1	49		21.17	21.18				
10	64QAM	25	0		19.88	19.86				
10	64QAM	25	12		19.90	19.88	21	3		
10	64QAM	25	25		19.84	19.83				
10	64QAM	50	0		19.87	19.86				
Channel Frequency (MHz)				23975			Tune-up limit (dBm)	MPR (dB)		
				817.5						
5	QPSK	1	0		22.62	22.65	24	0		
5	QPSK	1	12		22.86	22.84				
5	QPSK	1	24		22.79	22.74				
5	QPSK	12	0		21.87	21.87	23	1		
5	QPSK	12	7		21.93	21.81				
5	QPSK	12	13		21.74	21.85				
5	QPSK	25	0		21.82	21.81	23	1		
5	16QAM	1	0		21.99	22.04				
5	16QAM	1	12		22.35	22.46				
5	16QAM	1	24		22.03	22.02	22	2		
5	16QAM	12	0		20.81	20.93				
5	16QAM	12	7		20.92	20.93				
5	16QAM	12	13		20.95	20.95	22	2		
5	16QAM	25	0		20.92	20.85				
5	16QAM	1	0		20.85	20.92				
5	64QAM	1	12		21.23	21.21	22	2		
5	64QAM	1	24		21.16	21.13				
5	64QAM	12	0		19.85	19.90				
5	64QAM	12	7		19.82	19.87	21	3		
5	64QAM	12	13		19.91	19.87				
5	64QAM	25	0		19.83	19.87				

Band 19_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 Frequency (MHz)				24025 837.5						
15	QPSK	1	0		23.06		24.5	0		
15	QPSK	1	37		23.20					
15	QPSK	1	74		23.05					
15	QPSK	36	0		22.19		23.5	1		
15	QPSK	36	20		22.24					
15	QPSK	36	39		22.06					
15	QPSK	75	0		22.16		23.5	1		
15	16QAM	1	0		22.31					
15	16QAM	1	37		22.37					
15	16QAM	1	74		22.45		22.5	2		
15	16QAM	36	0		21.09					
15	16QAM	36	20		21.26					
15	16QAM	36	39		21.20		22.5	2		
15	16QAM	75	0		21.19					
15	64QAM	1	0		21.50					
15	64QAM	1	37		21.07		22.5	2		
15	64QAM	1	74		21.15					
15	64QAM	36	0		20.23					
15	64QAM	36	20		20.42		21.5	3		
15	64QAM	36	39		20.14					
15	64QAM	75	0		20.18					
Channel Frequency (MHz)				24050 835 24075 840 24100			Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.02	22.97	23.06	24.5	0		
10	QPSK	1	25	23.15	23.18	23.12				
10	QPSK	1	49	22.98	22.91	23.04				
10	QPSK	25	0	22.08	22.16	22.17	23.5	1		
10	QPSK	25	12	22.11	22.24	22.14				
10	QPSK	25	25	21.99	21.92	21.96				
10	QPSK	50	0	22.07	22.13	22.12	23.5	1		
10	16QAM	1	0	22.26	22.23	22.18				
10	16QAM	1	25	22.35	22.36	22.29				
10	16QAM	1	49	22.30	22.32	22.31	22.5	2		
10	16QAM	25	0	21.03	21.08	21.03				
10	16QAM	25	12	21.12	21.29	21.24				
10	16QAM	25	25	21.07	21.08	21.06	22.5	2		
10	16QAM	50	0	21.14	21.04	21.08				
10	64QAM	1	0	21.35	21.45	21.49				
10	64QAM	1	25	20.98	20.99	20.99	22.5	2		
10	64QAM	1	49	21.06	21.05	21.07				
10	64QAM	25	0	20.08	20.12	20.11				
10	64QAM	25	12	20.26	20.18	20.31	21.5	3		
10	64QAM	25	25	20.12	19.99	20.14				
10	64QAM	50	0	20.17	20.07	20.03				
Channel Frequency (MHz)				24025 837.5 24075 842.5 24125			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.94	22.94	22.95	24.5	0		
5	QPSK	1	12	23.14	23.14	23.06				
5	QPSK	1	24	22.96	23.01	22.94				
5	QPSK	12	0	22.04	22.05	22.06	23.5	1		
5	QPSK	12	7	22.23	22.24	22.24				
5	QPSK	12	13	22.04	21.83	21.94				
5	QPSK	25	0	22.07	22.03	22.13	23.5	1		
5	16QAM	1	0	22.27	22.20	22.28				
5	16QAM	1	12	22.23	22.36	22.27				
5	16QAM	1	24	22.41	22.34	22.35	22.5	2		
5	16QAM	12	7	20.96	21.04	20.97				
5	16QAM	12	7	21.14	21.18	21.21				
5	16QAM	12	13	21.11	21.12	21.10	22.5	2		
5	16QAM	25	0	21.04	21.08	21.16				
5	16QAM	1	0	21.43	21.35	21.46				
5	64QAM	1	12	21.00	21.00	21.05	22.5	2		
5	64QAM	1	24	21.05	21.13	21.05				
5	64QAM	12	0	20.18	20.15	20.12				
5	64QAM	12	7	20.23	20.20	20.19	21.5	3		
5	64QAM	12	13	20.06	20.09	20.01				
5	64QAM	25	0	20.10	20.16	20.03				

Band 19_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 Frequency (MHz)				24075 837.5						
15	QPSK	1	0		22.75		24	0		
15	QPSK	1	37		22.32					
15	QPSK	1	74		22.73					
15	QPSK	36	0		21.90		23	1		
15	QPSK	36	20		21.97					
15	QPSK	36	39		21.95					
15	QPSK	75	0		21.92		23	1		
15	16QAM	1	0		22.03					
15	16QAM	1	37		22.10					
15	16QAM	1	74		21.80		22	2		
15	16QAM	36	0		20.91					
15	16QAM	36	20		21.03					
15	16QAM	36	39		20.87		22	2		
15	16QAM	75	0		20.99					
15	64QAM	1	0		20.96					
15	64QAM	1	37		20.89		22	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.05					
15	64QAM	36	20		20.00		21	3		
15	64QAM	36	39		19.89					
15	64QAM	75	0		20.00					
Channel Frequency (MHz)				24050 835 24075 840 24100			Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.74	22.74	22.72	24	0		
10	QPSK	1	25	22.78	22.81	22.81				
10	QPSK	1	49	22.67	22.61	22.73				
10	QPSK	25	0	21.86	21.89	21.75	23	1		
10	QPSK	25	12	21.95	21.88	21.92				
10	QPSK	25	25	21.81	21.91	21.95				
10	QPSK	50	0	21.81	21.86	21.84	23	1		
10	16QAM	1	0	21.95	22.00	21.98				
10	16QAM	1	25	21.99	22.03	22.09				
10	16QAM	1	49	21.65	21.69	21.70	22	2		
10	16QAM	25	0	20.84	20.79	20.81				
10	16QAM	25	12	20.89	20.98	21.02				
10	16QAM	25	25	20.83	20.78	20.84	22	2		
10	16QAM	50	0	20.76	20.86	20.86				
10	64QAM	1	0	20.84	20.88	20.94				
10	64QAM	1	25	20.89	20.76	20.78	22	2		
10	64QAM	1	49	20.65	21.01	20.86				
10	64QAM	25	0	20.02	20.04	19.97				
10	64QAM	25	12	19.92	19.99	19.90	21	3		
10	64QAM	25	25	19.84	19.77	19.85				
10	64QAM	50	0	19.85	20.00	19.94				
Channel Frequency (MHz)				24025 832.5 24075 837.5 24125			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.63	22.68	22.68	24	0		
5	QPSK	1	12	22.87	22.85	22.84				
5	QPSK	1	24	22.65	22.63	22.58				
5	QPSK	12	0	21.81	21.87	21.89	23	1		
5	QPSK	12	7	21.93	21.94	21.90				
5	QPSK	12	13	21.80	21.81	21.89				
5	QPSK	25	0	21.82	21.85	21.87	23	1		
5	16QAM	1	0	22.02	22.03	22.02				
5	16QAM	1	12	21.98	22.06	21.95				
5	16QAM	1	24	21.63	21.59	21.57	22	2		
5	16QAM	12	0	20.87	20.76	20.85				
5	16QAM	12	7	20.95	21.00	20.94				
5	16QAM	12	13	20.72	20.82	20.73	22	2		
5	16QAM	25	0	20.78	20.81	20.78				
5	16QAM	1	0	20.82	20.84	20.84				
5	64QAM	1	12	20.84	20.76	20.86	22	2		
5	64QAM	1	24	20.90	20.95	20.97				
5	64QAM	12	0	20.01	19.94	19.94				
5	64QAM	12	7	19.91	19.98	20.00	21	3		
5	64QAM	12	13	19.81	19.81	19.75				
5	64QAM	25	0	19.87	19.85	19.97				

Band 26_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 Frequency (MHz)				26705	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24.5	0
15	QPSK	1	37	23.26	23.41	23.49		
15	QPSK	1	74	23.29	23.40	23.38		
15	QPSK	36	0	22.34	22.47	22.46	23.5	1
15	QPSK	36	20	22.38	22.52	22.50		
15	QPSK	36	36	22.39	22.48	22.38		
15	QPSK	75	0	22.60	22.65	22.62	23.5	1
15	16QAM	1	0	23.01	23.01	22.98		
15	16QAM	1	37	22.89	23.03	23.01		
15	16QAM	1	74	22.81	22.83	22.86	22.5	2
15	16QAM	36	0	21.37	21.47	21.44		
15	16QAM	36	20	21.49	21.63	21.58		
15	16QAM	36	36	21.51	21.52	21.41	22.5	2
15	16QAM	75	0	21.39	21.45	21.31		
15	64QAM	1	0	21.84	21.91	21.86		
15	64QAM	1	37	21.92	21.97	21.85	22.5	2
15	64QAM	1	74	21.70	21.74	21.73		
15	64QAM	36	0	20.42	20.55	20.44		
15	64QAM	36	20	20.45	20.58	20.51	21.5	3
15	64QAM	36	36	20.43	20.51	20.45		
15	64QAM	75	0	20.31	20.45	20.30		
Channel Frequency (MHz)				26740	26695	26695		
10	QPSK	1	0	819	831.5	844	24.5	0
10	QPSK	1	24	23.15	23.32	23.38		
10	QPSK	1	49	23.16	23.38	23.38		
10	QPSK	25	0	22.23	22.47	22.38	23.5	1
10	QPSK	25	12	22.68	22.7	22.7		
10	QPSK	25	25	22.39	22.37	22.25		
10	QPSK	50	0	22.57	22.57	22.5	23.5	1
10	16QAM	1	25	22.97	22.92	22.92		
10	16QAM	1	25	22.8	22.9	22.87		
10	16QAM	1	49	22.69	22.81	22.77	22.5	2
10	16QAM	36	0	21.27	21.45	21.42		
10	16QAM	25	12	21.48	21.51	21.56		
10	16QAM	25	25	21.4	21.42	21.35	21.5	3
10	16QAM	50	0	21.27	21.38	21.35		
10	64QAM	1	0	21.81	21.77	21.72		
10	64QAM	1	25	21.88	21.82	21.72	21.5	3
10	64QAM	1	49	21.69	21.71	21.62		
10	64QAM	25	0	20.4	20.45	20.33		
10	64QAM	25	12	20.35	20.48	20.4	21.5	3
10	64QAM	25	25	20.43	20.51	20.37		
10	64QAM	50	0	20.16	20.39	20.18		
Channel Frequency (MHz)				26715	26685	26705		
5	QPSK	1	0	819.5	831.5	845.5	24.5	0
5	QPSK	1	12	23.24	23.32	23.34		
5	QPSK	1	24	23.54	23.69	23.51		
5	QPSK	12	0	22.34	22.43	22.43	23.5	1
5	QPSK	12	7	22.81	22.83	22.57		
5	QPSK	12	13	22.29	22.44	22.31		
5	QPSK	25	0	22.55	22.61	22.49	23.5	1
5	16QAM	1	0	22.87	22.83	22.84		
5	16QAM	1	12	22.83	22.99	22.97		
5	16QAM	1	24	22.74	22.83	22.77	22.5	2
5	16QAM	12	0	21.29	21.35	21.33		
5	16QAM	12	7	21.38	21.5	21.32		
5	16QAM	12	13	21.48	21.47	21.28	22.5	2
5	16QAM	25	0	21.35	21.43	21.17		
5	64QAM	1	0	21.8	21.79	21.8		
5	64QAM	1	12	21.91	21.87	21.72	21.5	3
5	64QAM	1	24	21.67	21.68	21.68		
5	64QAM	12	0	20.34	20.51	20.36		
5	64QAM	12	7	20.41	20.48	20.45	21.5	3
5	64QAM	12	13	20.29	20.43	20.35		
5	64QAM	25	0	20.31	20.35	20.25		
Channel Frequency (MHz)				26705	26685	27025		
3	QPSK	1	0	819.5	831.5	842.2	24.5	0
3	QPSK	1	8	23.44	23.61	23.59		
3	QPSK	1	14	23.21	23.29	23.28		
3	QPSK	8	0	22.28	22.36	22.4	23.5	1
3	QPSK	8	4	22.55	22.72	22.45		
3	QPSK	8	7	22.3	22.44	22.23		
3	QPSK	15	0	22.5	22.55	22.61	23.5	1
3	16QAM	1	0	22.93	22.88	22.98		
3	16QAM	1	8	22.86	22.88	23.05		
3	16QAM	1	14	22.79	22.8	22.79	22.5	2
3	16QAM	8	0	21.24	21.46	21.38		
3	16QAM	8	4	21.42	21.51	21.48		
3	16QAM	8	7	21.42	21.45	21.36	22.5	2
3	16QAM	15	0	21.26	21.38	21.27		
3	64QAM	1	0	21.7	21.75	21.75		
3	64QAM	1	8	21.83	21.93	21.76	21.5	3
3	64QAM	1	14	21.68	21.64	21.58		
3	64QAM	8	0	20.34	20.46	20.44		
3	64QAM	8	4	20.37	20.57	20.48	21.5	3
3	64QAM	8	7	20.42	20.38	20.27		
3	64QAM	15	0	20.17	20.4	20.18		
Channel Frequency (MHz)				26697	26685	27033		
1.4	QPSK	1	0	814.7	831.5	843	24.5	0
1.4	QPSK	1	3	23.14	23.34	23.23		
1.4	QPSK	1	3	23.49	23.65	23.59		
1.4	QPSK	12	0	23.28	23.29	23.31	23.5	1
1.4	QPSK	3	0	23.21	23.25	23.23		
1.4	QPSK	3	1	23.24	23.27	23.34		
1.4	QPSK	3	3	23.23	23.37	23.24	23.5	1
1.4	QPSK	6	0	22.48	22.57	22.55		
1.4	16QAM	1	0	22.97	22.96	22.90		
1.4	16QAM	1	3	22.98	22.88	22.90	22.5	2
1.4	16QAM	1	5	22.71	22.81	22.81		
1.4	16QAM	3	0	22.62	22.65	22.48		
1.4	16QAM	3	1	22.61	22.69	22.51	22.5	2
1.4	16QAM	3	3	22.57	22.60	22.57		
1.4	16QAM	6	0	21.33	21.42	21.31		
1.4	64QAM	1	0	21.76	21.87	21.74	22.5	2
1.4	64QAM	1	3	21.89	21.85	21.77		
1.4	64QAM	1	5	21.69	21.71	21.72		
1.4	64QAM	3	0	21.41	21.46	21.46	21.5	3
1.4	64QAM	3	1	21.44	21.47	21.31		
1.4	64QAM	3	3	21.45	21.48	21.28		
1.4	64QAM	6	0	20.20	20.36	20.16	21.5	3

Band 26_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 Frequency (MHz)				26665	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24	0
15	QPSK	1	37	22.84	22.89	22.89		
15	QPSK	1	74	22.91	22.91	22.89		
15	QPSK	36	0	21.83	21.92	21.83	23	1
15	QPSK	36	20	22.04	22.05	21.97		
15	QPSK	36	36	21.95	22.01	21.88		
15	QPSK	75	0	21.97	22.02	21.94	23	1
15	16QAM	1	0	22.25	22.29	22.21		
15	16QAM	1	37	22.38	22.48	22.39		
15	16QAM	1	74	22.21	22.27	22.20	22	2
15	16QAM	36	0	20.97	20.99	20.91		
15	16QAM	36	20	21.06	21.08	21.08		
15	16QAM	36	36	20.91	20.97	20.89	22	2
15	16QAM	75	0	20.97	21.03	20.89		
15	64QAM	1	0	21.10	21.05	21.06		
15	64QAM	1	37	21.40	21.46	21.39	22	2
15	64QAM	1	74	21.08	21.05	21.04		
15	64QAM	36	0	19.96	20.06	20.06		
15	64QAM	36	20	19.99	20.09	19.95	21	3
15	64QAM	36	36	19.86	19.97	19.84		
15	64QAM	75	0	19.86	19.94	19.79		
Channel Frequency (MHz)				26705	26685	26740	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	819	831.5	844	24	0
10	QPSK	1	25	22.81	22.79	22.78		
10	QPSK	1	49	22.82	22.76	22.85		
10	QPSK	25	0	21.77	21.85	21.75	23	1
10	QPSK	25	12	22.01	21.96	21.92		
10	QPSK	25	25	21.95	21.97	21.78		
10	QPSK	50	0	21.85	21.93	21.88	23	1
10	16QAM	1	0	22.22	22.21	22.16		
10	16QAM	1	25	22.20	22.45	22.36		
10	16QAM	1	49	22.21	22.21	22.14	22	2
10	16QAM	25	0	20.88	20.88	20.81		
10	16QAM	25	12	20.97	20.99	20.97		
10	16QAM	25	25	20.79	20.83	20.85	22	2
10	16QAM	50	0	20.88	20.95	20.98		
10	64QAM	1	0	21.01	20.92	20.94		
10	64QAM	1	25	21.38	21.32	21.24	22	2
10	64QAM	1	49	21.06	20.91	20.91		
10	64QAM	25	0	19.85	19.95	19.91		
10	64QAM	25	12	19.86	19.84	19.88	21	3
10	64QAM	25	25	19.74	19.90	19.70		
10	64QAM	50	0	19.86	19.79	19.66		
Channel Frequency (MHz)				26705	831.5	26740	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	818.5	831.5	846.5	24	0
5	QPSK	1	12	22.81	22.86	22.85		
5	QPSK	1	24	22.95	23.02	22.89		
5	QPSK	12	0	21.76	21.77	21.82	23	1
5	QPSK	12	7	22.04	21.99	21.90		
5	QPSK	12	13	21.80	21.90	21.78		
5	QPSK	25	0	21.84	21.86	21.88	23	1
5	16QAM	1	0	22.16	22.19	22.14		
5	16QAM	1	12	22.30	22.34	22.24		
5	16QAM	1	24	22.18	22.23	22.11	22	2
5	16QAM	12	0	20.92	20.95	20.84		
5	16QAM	12	7	21.00	20.94	20.98		
5	16QAM	12	13	20.91	20.82	20.76	22	2
5	16QAM	25	0	20.97	20.95	20.88		
5	64QAM	1	0	21.09	21.07	21.05		
5	64QAM	1	12	21.40	21.32	21.27	22	2
5	64QAM	1	24	21.00	21.02	21.05		
5	64QAM	12	0	19.93	19.94	19.94		
5	64QAM	12	7	19.96	19.95	19.91	21	3
5	64QAM	12	13	19.86	19.86	19.70		
5	64QAM	25	0	19.84	19.83	19.76		
Channel Frequency (MHz)				26705	831.5	26740	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	818.5	831.5	847.5	24	0
3	QPSK	1	8	22.75	22.85	22.89		
3	QPSK	1	14	22.87	22.87	22.87		
3	QPSK	8	0	21.81	21.82	21.83	23	1
3	QPSK	8	4	21.96	21.84	21.89		
3	QPSK	8	7	21.87	21.81	21.84		
3	QPSK	15	0	21.92	21.86	21.81	23	1
3	16QAM	1	0	22.14	22.17	22.12		
3	16QAM	1	14	22.28	22.43	22.24		
3	16QAM	1	14	22.13	22.12	22.12	22	2
3	16QAM	8	0	20.93	20.89	20.89		
3	16QAM	8	4	20.93	21.08	21.07		
3	16QAM	8	7	20.90	20.90	20.88	22	2
3	16QAM	15	0	20.85	20.94	20.93		
3	64QAM	1	0	20.96	21.04	21.01		
3	64QAM	1	8	21.33	21.43	21.24	22	2
3	64QAM	1	14	21.00	21.00	20.95		
3	64QAM	8	0	19.82	19.97	20.02		
3	64QAM	8	4	19.92	19.97	19.90	21	3
3	64QAM	8	7	19.86	19.84	19.70		
3	64QAM	15	0	19.85	19.87	19.71		
Channel Frequency (MHz)				26697	831.5	27033	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	814.7	831.5	848.3	24	0
1.4	QPSK	1	3	23.00	23.02	22.97		
1.4	QPSK	1	5	22.91	22.78	22.89		
1.4	QPSK	3	0	22.82	22.86	22.88	23	1
1.4	QPSK	3	1	22.80	22.88	22.77		
1.4	QPSK	3	3	22.83	22.80	22.85		
1.4	QPSK	6	0	21.84	21.88	21.94	23	1
1.4	16QAM	1	0	22.24	22.24	22.14		
1.4	16QAM	1	3	22.37	22.46	22.24		
1.4	16QAM	1	5	22.19	22.25	22.11	23	1
1.4	16QAM	3	0	22.12	22.27	22.14		
1.4	16QAM	3	1	22.18	22.18	22.18		
1.4	16QAM	3	3	22.13	22.22	22.05	22	2
1.4	16QAM	6	0	20.84	20.96	20.90		
1.4	16QAM	1	0	21.02	20.99	20.96		
1.4	64QAM	1	3	21.34	21.33	21.31	22	2
1.4	64QAM	1	5	20.99	21.03	21.04		
1.4	64QAM	3	0	20.92	20.95	21.01		
1.4	64QAM	3	1	20.98	20.95	20.95	21	3
1.4	64QAM	3	3	21.03	20.94	20.96		
1.4	64QAM	6	0	19.85	19.90	19.87		

Band 66_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										
Frequency (MHz)										
20	QPSK	1	0	20.61	20.65	20.46	21.5	0		
20	QPSK	1	49	20.68	20.76	20.60				
20	QPSK	1	99	20.37	20.45	20.35				
20	QPSK	50	0	20.65	20.73	20.63				
20	QPSK	50	24	20.65	20.75	20.69	21.5	0		
20	QPSK	50	50	20.61	20.74	20.61				
20	QPSK	100	0	20.59	20.68	20.58				
20	16QAM	1	0	20.66	20.60	20.59				
20	16QAM	1	49	20.67	20.69	20.62	21.5	0		
20	16QAM	1	99	20.86	20.75	20.84				
20	16QAM	50	0	20.67	20.75	20.63				
20	16QAM	50	24	20.64	20.74	20.71				
20	16QAM	50	50	20.63	20.58	20.50	21.5	0		
20	16QAM	100	0	20.66	20.64	20.57				
20	64QAM	1	0	20.60	20.68	20.58				
20	64QAM	1	49	20.58	20.74	20.54				
20	64QAM	1	99	20.58	20.69	20.63	21.5	0		
20	64QAM	50	0	20.58	20.69	20.64				
20	64QAM	50	24	20.63	20.65	20.62				
20	64QAM	50	50	20.62	20.65	20.60				
20	64QAM	100	0	20.62	20.66	20.64	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.59	20.56	20.44	21.5	0		
15	QPSK	1	37	20.61	20.72	20.56				
15	QPSK	1	74	20.28	20.43	20.24				
15	QPSK	36	0	20.58	20.64	20.61				
15	QPSK	36	20	20.56	20.67	20.56	21.5	0		
15	QPSK	36	39	20.59	20.69	20.49				
15	QPSK	75	0	20.56	20.63	20.49				
15	16QAM	1	0	20.64	20.49	20.56				
15	16QAM	1	37	20.57	20.63	20.52	21.5	0		
15	16QAM	1	74	20.58	20.63	20.53				
15	16QAM	36	0	20.55	20.65	20.55				
15	16QAM	36	20	20.54	20.64	20.54				
15	16QAM	36	39	20.55	20.44	20.46	21.5	0		
15	16QAM	75	0	20.51	20.57	20.51				
15	64QAM	1	0	20.52	20.60	20.50				
15	64QAM	1	37	20.51	20.72	20.42				
15	64QAM	1	74	20.54	20.58	20.53	21.5	0		
15	64QAM	36	0	20.47	20.68	20.52				
15	64QAM	36	20	20.51	20.61	20.51				
15	64QAM	36	39	20.55	20.54	20.48				
15	64QAM	75	0	20.52	20.58	20.61	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.53	20.53	20.41	21.5	0		
10	QPSK	1	25	20.64	20.72	20.63				
10	QPSK	1	49	20.33	20.35	20.33				
10	QPSK	25	0	20.59	20.67	20.56				
10	QPSK	25	12	20.58	20.68	20.55	21.5	0		
10	QPSK	25	25	20.52	20.69	20.53				
10	QPSK	50	0	20.48	20.65	20.49				
10	16QAM	1	0	20.63	20.49	20.53				
10	16QAM	1	25	20.60	20.62	20.53	21.5	0		
10	16QAM	1	49	20.57	20.71	20.57				
10	16QAM	25	0	20.58	20.68	20.53				
10	16QAM	25	12	20.59	20.69	20.57				
10	16QAM	25	25	20.53	20.39	20.39	21.5	0		
10	16QAM	50	0	20.56	20.52	20.47				
10	64QAM	1	0	20.57	20.65	20.51				
10	64QAM	1	25	20.50	20.62	20.49				
10	64QAM	1	49	20.53	20.58	20.55	21.5	0		
10	64QAM	25	0	20.47	20.60	20.55				
10	64QAM	25	12	20.55	20.53	20.60				
10	64QAM	25	25	20.41	20.56	20.41				
10	64QAM	50	0	20.59	20.55	20.57	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.50	20.58	20.43	21.5	0		
5	QPSK	1	12	20.59	20.69	20.64				
5	QPSK	1	24	20.34	20.41	20.37				
5	QPSK	12	0	20.53	20.68	20.53				
5	QPSK	12	7	20.57	20.68	20.59	21.5	0		
5	QPSK	12	13	20.51	20.64	20.59				
5	QPSK	25	0	20.50	20.57	20.56				
5	16QAM	1	0	20.55	20.58	20.51				
5	16QAM	1	12	20.63	20.57	20.54	21.5	0		
5	16QAM	1	24	20.62	20.58	20.59				
5	16QAM	12	0	20.55	20.70	20.51				
5	16QAM	12	7	20.52	20.63	20.55				
5	16QAM	12	13	20.61	20.54	20.42	21.5	0		
5	16QAM	25	0	20.63	20.57	20.52				
5	64QAM	1	0	20.58	20.56	20.54				
5	64QAM	1	12	20.46	20.72	20.45				
5	64QAM	1	24	20.53	20.64	20.55	21.5	0		
5	64QAM	12	0	20.49	20.58	20.53				
5	64QAM	12	7	20.56	20.55	20.54				
5	64QAM	12	13	20.56	20.56	20.48				
5	64QAM	25	0	20.53	20.64	20.52	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.54	20.57	20.39	21.5	0		
3	QPSK	1	8	20.59	20.74	20.59				
3	QPSK	1	14	20.30	20.41	20.32				
3	QPSK	8	0	20.54	20.69	20.59				
3	QPSK	8	4	20.57	20.72	20.61	21.5	0		
3	QPSK	8	7	20.52	20.70	20.53				
3	QPSK	15	0	20.50	20.58	20.51				
3	16QAM	1	0	20.56	20.57	20.57				
3	16QAM	1	8	20.56	20.65	20.51	21.5	0		
3	16QAM	1	14	20.56	20.69	20.62				
3	16QAM	8	0	20.63	20.64	20.57				
3	16QAM	8	4	20.52	20.69	20.59				
3	16QAM	8	7	20.60	20.47	20.44	21.5	0		
3	16QAM	15	0	20.56	20.58	20.45				
3	64QAM	1	0	20.48	20.64	20.48				
3	64QAM	1	8	20.54	20.64	20.46				
3	64QAM	1	14	20.46	20.65	20.56	21.5	0		
3	64QAM	8	0	20.56	20.62	20.60				
3	64QAM	8	4	20.51	20.53	20.54				
3	64QAM	8	7	20.58	20.57	20.57				
3	64QAM	15	0	20.58	20.58	20.52	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.52	20.59	20.36	21.5	0		
1.4	QPSK	1	3	20.63	20.68	20.61				
1.4	QPSK	1	5	20.31	20.39	20.28				
1.4	QPSK	3	0	20.57	20.69	20.55				
1.4	QPSK	3	1	20.54	20.70	20.62	21.5	0		
1.4	QPSK	3	3	20.59	20.64	20.58				
1.4	QPSK	6	0	20.51	20.57	20.49				
1.4	16QAM	1	0	20.54	20.53	20.51				
1.4	16QAM	1	3	20.56	20.58	20.57	21.5	0		
1.4	16QAM	1	5	20.64	20.72	20.65				
1.4	16QAM	3	0	20.56	20.66	20.61				
1.4	16QAM	3	1	20.52	20.69	20.54				
1.4	16QAM	3	0	20.60	20.54	20.44	21.5	0		
1.4	64QAM	1	0	20.49	20.58	20.48				
1.4	64QAM	1	3	20.49	20.69	20.63				
1.4	64QAM	1	5	20.54	20.66	20.56				
1.4	64QAM	3	0	20.46	20.58	20.61	21.5	0		
1.4	64QAM	3	1	20.56	20.62	20.59				
1.4	64QAM	3	3	20.50	20.53	20.55				
1.4	64QAM	6	0	20.57	20.62	20.55				

Band 66_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										
Frequency (MHz)										
20	QPSK	1	0	17.00	17.45	17.70	22	0		
20	QPSK	1	49	21.01	21.10	21.07				
20	QPSK	1	99	20.99	20.83	20.91				
20	QPSK	50	0	21.02	21.18	21.24	22	0		
20	QPSK	50	24	21.22	21.31	21.25				
20	QPSK	50	50	21.20	21.15	21.15				
20	QPSK	100	0	21.21	21.25	21.22	22	0		
20	16QAM	1	0	21.24	21.22	21.29				
20	16QAM	1	49	21.23	21.22	21.23				
20	16QAM	50	0	21.29	21.16	21.24	22	0		
20	16QAM	50	24	21.19	21.07	21.14				
20	16QAM	50	50	21.10	21.19	21.09				
20	16QAM	100	0	21.29	21.11	21.22	22	0		
20	64QAM	1	0	21.02	21.14	21.14				
20	64QAM	1	49	21.21	21.20	21.16				
20	64QAM	1	99	21.18	21.18	20.91	21	1		
20	64QAM	50	0	20.18	20.26	20.24				
20	64QAM	50	24	20.22	20.41	20.21				
20	64QAM	50	50	20.35	20.17	20.12	21	1		
20	64QAM	100	0	20.12	20.23	20.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.00	17.45	17.70	22	0		
15	QPSK	1	37	21.13	21.22	21.19				
15	QPSK	1	74	20.99	20.72	20.86				
15	QPSK	36	0	20.96	21.11	21.18	22	0		
15	QPSK	36	20	21.10	21.21	21.21				
15	QPSK	36	36	21.08	21.06	21.06				
15	QPSK	72	0	21.19	21.13	21.25	22	0		
15	16QAM	1	0	21.16	21.11	21.18				
15	16QAM	1	37	21.13	21.10	21.10				
15	16QAM	1	74	21.21	21.18	21.14	22	0		
15	16QAM	36	0	21.12	21.13	21.18				
15	16QAM	36	36	21.10	21.09	21.09				
15	16QAM	36	39	21.07	21.10	20.98	22	0		
15	16QAM	72	0	21.27	21.06	21.11				
15	64QAM	1	0	20.94	21.00	21.13				
15	64QAM	1	37	21.17	21.10	21.07	22	0		
15	64QAM	1	74	21.08	21.14	20.83				
15	64QAM	36	0	20.10	20.12	20.18				
15	64QAM	36	20	20.19	20.31	20.16	21	1		
15	64QAM	36	39	20.25	20.14	20.02				
15	64QAM	72	0	20.07	20.11	20.17				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.00	17.45	17.70	22	0		
10	QPSK	1	25	21.17	21.24	21.20				
10	QPSK	1	49	20.87	20.80	20.80				
10	QPSK	25	0	20.91	21.09	21.15	22	0		
10	QPSK	25	12	21.12	21.28	21.18				
10	QPSK	25	25	21.09	21.07	21.10				
10	QPSK	50	0	21.16	21.22	21.14	22	0		
10	16QAM	1	0	21.13	21.10	21.20				
10	16QAM	1	25	21.18	21.12	21.14				
10	16QAM	1	49	21.23	21.12	21.21	22	0		
10	16QAM	25	0	21.17	21.13	21.14				
10	16QAM	25	12	21.09	21.04	21.05				
10	16QAM	25	25	21.01	21.17	21.00	22	0		
10	16QAM	50	0	21.21	21.07	21.10				
10	64QAM	1	0	20.90	21.02	21.04				
10	64QAM	1	25	21.16	21.11	21.08	22	0		
10	64QAM	1	49	21.16	21.13	20.87				
10	64QAM	25	0	20.11	20.04	20.18				
10	64QAM	25	12	20.19	20.39	20.09	21	1		
10	64QAM	25	25	20.24	20.07	20.07				
10	64QAM	50	0	20.05	20.21	20.18				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.00	17.45	17.70	22	0		
5	QPSK	1	12	21.19	21.26	21.19				
5	QPSK	1	24	20.84	20.72	20.87				
5	QPSK	12	0	21.00	21.09	21.18	22	0		
5	QPSK	12	7	21.13	21.28	21.14				
5	QPSK	12	13	21.15	21.09	21.13				
5	QPSK	25	0	21.17	21.16	21.18	22	0		
5	16QAM	1	0	21.16	21.20	21.18				
5	16QAM	1	12	21.17	21.13	21.18				
5	16QAM	1	24	21.25	21.14	21.22	22	0		
5	16QAM	12	0	21.11	21.17	21.12				
5	16QAM	12	7	21.08	21.00	21.02				
5	16QAM	12	13	21.05	21.07	21.03	22	0		
5	16QAM	25	0	21.25	21.09	21.17				
5	64QAM	1	0	21.00	21.04	21.12				
5	64QAM	1	12	21.09	21.15	21.08	22	0		
5	64QAM	1	24	21.07	21.06	20.84				
5	64QAM	12	0	20.11	20.05	20.20				
5	64QAM	12	7	20.15	20.30	20.13	21	1		
5	64QAM	12	13	20.24	20.12	20.05				
5	64QAM	25	0	20.09	20.19	20.18				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.00	17.45	17.70	22	0		
3	QPSK	1	8	21.22	21.22	21.18				
3	QPSK	1	14	20.84	20.77	20.82				
3	QPSK	8	0	20.90	21.14	21.15	22	0		
3	QPSK	8	4	21.14	21.28	21.23				
3	QPSK	8	7	21.09	21.09	21.11				
3	QPSK	15	0	21.12	21.13	21.20	22	0		
3	16QAM	1	0	21.12	21.15	21.19				
3	16QAM	1	8	21.14	21.13	21.17				
3	16QAM	8	0	21.10	21.15	21.13	22	0		
3	16QAM	8	7	21.05	21.16	21.03				
3	16QAM	15	0	21.18	21.02	21.18				
3	64QAM	1	0	20.96	21.10	21.12	22	0		
3	64QAM	1	8	21.11	21.12	21.14				
3	64QAM	1	14	21.16	21.14	20.82				
3	64QAM	8	0	20.09	20.10	20.15	21	1		
3	64QAM	8	4	20.14	20.35	20.18				
3	64QAM	15	0	20.04	20.07	20.09				
3	64QAM	15	0	20.11	20.21	20.21	21	1		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.93	20.95	20.93	22	0		
1.4	QPSK	1	3	21.21	21.24	21.19				
1.4	QPSK	1	20.96	21.06	20.88					
1.4	QPSK	3	0	20.91	21.10	21.21	22	0		
1.4	QPSK	3	1	21.10	21.26	21.15				
1.4	QPSK	3	21.08	21.10	21.05					
1.4	QPSK	6	0	21.15	21.18	21.10	22	0		
1.4	16QAM	1	0	21.16	21.20	21.20				
1.4	16QAM	1	21.15	21.10	21.13					
1.4	16QAM	1	5	21.19	21.13	21.14	22	0		
1.4	16QAM	3	0	21.11	21.16	21.09				
1.4	16QAM	3	21.10	21.15	21.09					
1.4	16QAM	3	3	21.07	21.14	21.01	22	0		
1.4	16QAM	6	0	21.22	21.01	21.16				
1.4	16QAM	1	20.91	21.05	21.08					
1.4	64QAM	1	3	21.16	21.19	21.06	22	0		
1.4	64QAM	1	5	21.08	21.11	20.84				
1.4	64QAM	3	20.93	21.04	21.04					
1.4	64QAM	3	1	21.17	21.10	21.02	21	1		
1.4	64QAM	3	3	21.04	21.15	20.81				
1.4	64QAM	3	6	20.90	20.14	20.14				

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 Frequency (MHz)										
2000										
20	QPSK	1	0	19.51	19.57	19.65	20.5	0		
20	QPSK	1	49	19.75	19.82	19.78				
20	QPSK	1	99	19.58	19.58	19.67				
20	QPSK	50	0	19.73	19.61	19.77	20.5	0		
20	QPSK	50	24	19.60	19.81	19.76				
20	QPSK	50	50	19.74	19.80	19.77				
20	QPSK	100	0	19.69	19.80	19.68	20.5	0		
20	16QAM	1	0	19.74	19.72	19.80				
20	16QAM	1	49	19.80	19.77	19.78				
20	16QAM	1	99	19.76	19.73	19.75	20.5	0		
20	16QAM	50	0	19.67	19.70	19.77				
20	16QAM	50	24	19.73	19.74	19.74				
20	16QAM	50	50	19.76	19.72	19.75	20.5	0		
20	16QAM	100	0	19.69	19.72	19.74				
20	64QAM	1	0	19.49	19.68	19.76				
20	64QAM	1	49	19.79	19.76	19.80	20.5	0		
20	64QAM	1	99	19.78	19.80	19.78				
20	64QAM	50	0	19.58	19.75	19.78				
20	64QAM	50	24	19.79	19.74	19.79	20.5	0		
20	64QAM	50	50	19.74	19.75	19.79				
20	64QAM	100	0	19.59	19.77	19.73				
Channel Frequency (MHz)										
37825										
15	QPSK	1	0	19.40	19.49	19.54	20.5	0		
15	QPSK	1	37	19.63	19.79	19.72				
15	QPSK	1	74	19.56	19.46	19.58				
15	QPSK	36	0	19.61	19.54	19.65	20.5	0		
15	QPSK	36	20	19.78	19.70	19.72				
15	QPSK	36	39	19.65	19.76	19.65				
15	QPSK	75	0	19.66	19.69	19.65	20.5	0		
15	16QAM	1	0	19.67	19.69	19.77				
15	16QAM	1	37	19.69	19.68	19.72				
15	16QAM	1	74	19.72	19.70	19.66	20.5	0		
15	16QAM	36	0	19.49	19.63	19.73				
15	16QAM	36	20	19.75	19.65	19.62				
15	16QAM	36	39	19.73	19.62	19.66	20.5	0		
15	16QAM	75	0	19.64	19.63	19.68				
15	64QAM	1	0	19.40	19.59	19.65				
15	64QAM	1	37	19.77	19.73	19.73	20.5	0		
15	64QAM	1	74	19.69	19.78	19.76				
15	64QAM	36	0	19.63	19.68	19.69				
15	64QAM	36	20	19.76	19.63	19.69	20.5	0		
15	64QAM	36	39	19.63	19.71	19.76				
15	64QAM	75	0	19.62	19.65	19.70				
Channel Frequency (MHz)										
37800										
10	QPSK	1	0	19.42	19.52	19.62	20.5	0		
10	QPSK	1	25	19.65	19.74	19.68				
10	QPSK	1	49	19.47	19.52	19.64				
10	QPSK	25	0	19.68	19.54	19.74	20.5	0		
10	QPSK	25	12	19.77	19.70	19.75				
10	QPSK	25	25	19.68	19.71	19.72				
10	QPSK	50	0	19.66	19.78	19.66	20.5	0		
10	16QAM	1	0	19.65	19.67	19.68				
10	16QAM	1	25	19.70	19.68	19.75				
10	16QAM	1	49	19.67	19.66	19.64	20.5	0		
10	16QAM	25	0	19.49	19.59	19.73				
10	16QAM	25	12	19.71	19.66	19.72				
10	16QAM	25	25	19.73	19.63	19.68	20.5	0		
10	16QAM	50	0	19.68	19.70	19.64				
10	64QAM	1	0	19.44	19.57	19.69				
10	64QAM	1	25	19.77	19.71	19.76	20.5	0		
10	64QAM	1	49	19.74	19.68	19.76				
10	64QAM	25	0	19.56	19.68	19.75				
10	64QAM	25	12	19.71	19.69	19.68	20.5	0		
10	64QAM	25	25	19.63	19.72	19.72				
10	64QAM	50	0	19.50	19.60	19.67				
Channel Frequency (MHz)										
37775										
5	QPSK	1	0	19.48	19.49	19.55	20.5	0		
5	QPSK	1	12	19.69	19.78	19.72				
5	QPSK	1	24	19.50	19.51	19.58				
5	QPSK	12	0	19.66	19.58	19.72	20.5	0		
5	QPSK	12	7	19.68	19.73	19.74				
5	QPSK	12	13	19.63	19.71	19.66				
5	QPSK	25	0	19.66	19.75	19.97	20.5	0		
5	16QAM	1	0	19.70	19.68	19.71				
5	16QAM	1	12	19.74	19.70	19.68				
5	16QAM	1	24	19.67	19.62	19.65	20.5	0		
5	16QAM	12	0	19.51	19.65	19.73				
5	16QAM	12	7	19.68	19.65	19.72				
5	16QAM	12	13	19.72	19.67	19.65	20.5	0		
5	64QAM	1	0	19.63	19.65	19.71				
5	64QAM	1	12	19.43	19.58	19.72				
5	64QAM	1	12	19.74	19.70	19.72	20.5	0		
5	64QAM	1	24	19.67	19.68	19.71				
5	64QAM	12	0	19.55	19.65	19.70				
5	64QAM	12	7	19.69	19.62	19.72	20.5	0		
5	64QAM	12	13	19.71	19.63	19.74				
5	64QAM	25	0	19.54	19.74	19.62				

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 Frequency (MHz)								
37850								
2900								
20	QPSK	1	0	23.71	23.72	23.70	24.5	0
20	QPSK	1	49	23.98	24.03	23.99		
20	QPSK	1	99	23.85	23.87	23.82		
20	QPSK	50	0	22.99	22.97	22.90	23.5	1
20	QPSK	50	24	23.06	23.10	23.04		
20	QPSK	50	50	23.05	23.01	23.04		
20	QPSK	100	0	23.08	23.09	23.04	23.5	1
20	16QAM	1	0	23.12	23.05	22.99		
20	16QAM	1	49	23.37	23.36	23.24		
20	16QAM	1	99	23.13	23.15	23.11	22.5	2
20	16QAM	50	0	22.05	22.02	21.97		
20	16QAM	50	24	22.14	22.14	22.14		
20	16QAM	50	50	22.14	22.19	22.11	22.5	2
20	16QAM	100	0	22.08	22.08	22.11		
20	64QAM	1	0	22.03	21.92	22.01		
20	64QAM	1	49	22.30	22.19	22.21	22.5	2
20	64QAM	1	99	22.08	22.05	22.05		
20	64QAM	50	0	21.08	20.96	21.05		
20	64QAM	50	24	21.28	21.12	21.16	21.5	3
20	64QAM	50	50	21.14	21.22	21.18		
20	64QAM	100	0	21.08	21.11	21.18		
Channel Frequency (MHz)								
37825								
2950								
15	QPSK	1	0	23.18	23.18	23.14	24.5	0
15	QPSK	1	37	23.98	23.99	23.85		
15	QPSK	1	74	23.81	23.78	23.77		
15	QPSK	36	0	22.99	22.89	22.80	23.5	1
15	QPSK	36	20	22.96	23.00	22.94		
15	QPSK	36	39	22.92	22.88	22.96		
15	QPSK	75	0	23.03	23.03	23.00	23.5	1
15	16QAM	1	0	23.01	22.99	22.85		
15	16QAM	1	37	23.35	23.34	23.18		
15	16QAM	1	74	23.02	23.13	23.07	22.5	2
15	16QAM	36	0	21.96	22.01	21.93		
15	16QAM	36	20	22.13	22.09	22.10		
15	16QAM	36	39	22.07	22.09	22.10	22.5	2
15	16QAM	75	0	21.99	22.03	21.99		
15	64QAM	1	0	21.96	21.96	21.96		
15	64QAM	1	37	22.24	22.18	22.16	22.5	2
15	64QAM	1	74	22.02	22.01	22.04		
15	64QAM	36	0	21.01	21.06	21.07		
15	64QAM	36	20	21.21	21.00	21.11	21.5	3
15	64QAM	36	39	21.10	21.21	21.14		
15	64QAM	75	0	20.98	21.05	21.13		
Channel Frequency (MHz)								
37800								
3000								
10	QPSK	1	0	23.6	23.6	23.5	24.5	0
10	QPSK	1	25	23.83	23.82	23.84		
10	QPSK	1	49	23.78	23.84	23.81		
10	QPSK	25	0	22.80	22.80	22.84	23.5	1
10	QPSK	25	20	23.00	23.06	22.96		
10	QPSK	25	25	23.00	22.88	22.96		
10	QPSK	50	0	23.08	23.08	23.02	23.5	1
10	16QAM	1	0	23.09	22.96	22.87		
10	16QAM	1	25	23.25	23.34	23.15		
10	16QAM	1	49	23.05	23.04	23.04	22.5	2
10	16QAM	25	0	22.03	21.88	21.93		
10	16QAM	25	12	22.15	22.03	22.14		
10	16QAM	25	25	22.15	22.15	21.97	22.5	2
10	16QAM	50	0	22.04	22.02	22.07		
10	64QAM	1	0	21.90	21.92	21.92		
10	64QAM	1	25	22.30	22.08	22.11	22.5	2
10	64QAM	1	49	21.97	21.91	21.93		
10	64QAM	25	0	20.96	20.85	21.05		
10	64QAM	25	12	21.21	21.07	21.13	21.5	3
10	64QAM	25	25	21.03	21.08	21.13		
10	64QAM	50	0	20.93	20.99	21.04		
Channel Frequency (MHz)								
37775								
3050								
5	QPSK	1	0	23.61	23.58	23.56	24.5	0
5	QPSK	1	12	23.81	23.86	23.85		
5	QPSK	1	24	23.72	23.72	23.80		
5	QPSK	12	0	22.91	22.96	22.84	23.5	1
5	QPSK	12	7	23.08	23.04	23.06		
5	QPSK	12	13	23.03	22.95	22.89		
5	QPSK	25	0	23.06	22.94	22.94	23.5	1
5	16QAM	1	0	23.06	22.92	22.87		
5	16QAM	1	12	23.25	23.22	23.11		
5	16QAM	1	24	22.99	23.06	22.97	22.5	2
5	16QAM	12	0	22.01	21.90	21.85		
5	16QAM	12	7	22.14	22.08	22.05		
5	16QAM	12	13	22.12	22.06	22.11	22.5	2
5	16QAM	25	0	21.97	21.87	22.00		
5	64QAM	1	0	21.97	21.88	21.95		
5	64QAM	1	12	22.26	22.18	22.11	22.5	2
5	64QAM	1	24	21.94	21.95	21.94		
5	64QAM	12	0	20.97	20.95	20.99		
5	64QAM	12	7	21.12	21.04	21.08	21.5	3
5	64QAM	12	13	21.05	21.20	21.01		
5	64QAM	25	0	21.01	21.06	21.13		

Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
20	QPSK	1	0	18.49	18.61	18.64	18.53	18.44	19.5	0
20	QPSK	1	49	18.76	18.70	18.91	18.84	18.77		
20	QPSK	1	99	18.47	18.58	18.65	18.64	18.62		
20	QPSK	50	0	18.58	18.53	18.66	18.77	18.81		
20	QPSK	50	24	18.76	18.65	18.86	18.85	18.83	19.5	0
20	QPSK	50	50	18.60	18.62	18.63	18.68	18.70		
20	16QAM	100	0	18.75	18.84	18.85	18.74	18.68		
20	16QAM	1	0	18.75	18.84	18.85	18.74	18.68		
20	16QAM	1	49	18.65	18.58	18.62	18.79	18.69	19.5	0
20	16QAM	1	99	18.72	18.71	18.60	18.77	18.84		
20	16QAM	50	0	18.63	18.63	18.66	18.72	18.69		
20	16QAM	50	24	18.67	18.62	18.75	18.78	18.62		
20	16QAM	50	50	18.68	18.69	18.76	18.72	18.61	19.5	0
20	16QAM	100	0	18.74	18.84	18.82	18.77	18.61		
20	64QAM	1	0	18.65	18.67	18.78	18.81	18.64		
20	64QAM	1	49	18.63	18.70	18.78	18.80	18.67		
20	64QAM	1	99	18.69	18.62	18.79	18.79	18.68	19.5	0
20	64QAM	50	0	18.51	18.67	18.61	18.46	18.66		
20	64QAM	50	24	18.67	18.55	18.75	18.75	18.65		
20	64QAM	50	50	18.73	18.65	18.75	18.72	18.64		
20	64QAM	100	0	18.65	18.64	18.78	18.59	18.70		
Channel Frequency (MHz)										
				39725	40173	40620	41068	41516	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.47	18.58	18.53	18.47	18.42	19.50	0
15	QPSK	1	37	18.69	18.66	18.86	18.72	18.70		
15	QPSK	1	74	18.39	18.44	18.58	18.57	18.60		
15	QPSK	36	0	18.51	18.47	18.55	18.72	18.69		
15	QPSK	36	20	18.74	18.59	18.78	18.82	18.76	19.5	0
15	QPSK	36	39	18.56	18.58	18.56	18.62	18.64		
15	QPSK	75	0	18.62	18.55	18.83	18.64	18.66		
15	16QAM	1	0	18.63	18.52	18.67	18.67	18.63		
15	16QAM	1	37	18.63	18.48	18.79	18.78	18.56	19.5	0
15	16QAM	1	74	18.68	18.67	18.78	18.66	18.56		
15	16QAM	36	0	18.60	18.56	18.74	18.69	18.56		
15	16QAM	36	20	18.59	18.55	18.72	18.72	18.54		
15	16QAM	36	39	18.63	18.58	18.70	18.62	18.58	19.5	0
15	16QAM	75	0	18.66	18.57	18.80	18.73	18.49		
15	64QAM	1	0	18.61	18.61	18.76	18.69	18.54		
15	64QAM	1	37	18.56	18.68	18.69	18.69	18.56		
15	64QAM	1	74	18.59	18.55	18.69	18.70	18.58	19.5	0
15	64QAM	36	0	18.58	18.58	18.68	18.65	18.57		
15	64QAM	36	20	18.58	18.46	18.70	18.63	18.58		
15	64QAM	36	39	18.63	18.58	18.63	18.67	18.56		
15	64QAM	75	0	18.55	18.62	18.75	18.53	18.68		
Channel Frequency (MHz)										
				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.37	18.52	18.52	18.49	18.30	19.50	0
10	QPSK	1	25	18.73	18.66	18.80	18.75	18.72		
10	QPSK	1	49	18.40	18.50	18.60	18.55	18.58		
10	QPSK	25	0	18.47	18.44	18.56	18.72	18.71		
10	QPSK	25	12	18.69	18.61	18.81	18.81	18.79	19.5	0
10	QPSK	25	25	18.52	18.50	18.53	18.65	18.68		
10	QPSK	50	0	18.64	18.52	18.78	18.65	18.58		
10	16QAM	1	0	18.69	18.56	18.72	18.60	18.72		
10	16QAM	1	25	18.56	18.51	18.72	18.75	18.63	19.5	0
10	16QAM	1	49	18.52	18.69	18.76	18.75	18.62		
10	16QAM	25	0	18.54	18.54	18.79	18.72	18.49		
10	16QAM	25	12	18.54	18.60	18.71	18.69	18.56		
10	16QAM	25	25	18.60	18.58	18.65	18.61	18.55	19.5	0
10	16QAM	50	0	18.71	18.52	18.80	18.67	18.55		
10	64QAM	1	0	18.59	18.63	18.70	18.72	18.59		
10	64QAM	1	25	18.60	18.68	18.71	18.74	18.55		
10	64QAM	1	49	18.67	18.60	18.74	18.77	18.60	19.5	0
10	64QAM	25	0	18.44	18.65	18.55	18.39	18.57		
10	64QAM	25	12	18.56	18.43	18.72	18.72	18.54		
10	64QAM	25	25	18.66	18.53	18.63	18.65	18.53		
10	64QAM	50	0	18.59	18.55	18.71	18.53	18.60		
Channel Frequency (MHz)										
				2697.5	2645.8	2593	2640.30	2697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.42	18.55	18.53	18.50	18.40	19.50	0
5	QPSK	1	12	18.67	18.62	18.84	18.77	18.75		
5	QPSK	1	24	18.46	18.52	18.56	18.53	18.60		
5	QPSK	12	0	18.46	18.49	18.54	18.72	18.73		
5	QPSK	12	7	18.66	18.53	18.80	18.77	18.72	19.5	0
5	QPSK	12	13	18.50	18.59	18.61	18.61	18.58		
5	QPSK	25	0	18.56	18.62	18.75	18.63	18.62		
5	16QAM	1	0	18.69	18.61	18.72	18.62	18.70		
5	16QAM	1	12	18.54	18.50	18.75	18.73	18.57	19.5	0
5	16QAM	1	24	18.66	18.66	18.74	18.65	18.50		
5	16QAM	12	0	18.60	18.54	18.83	18.69	18.54		
5	16QAM	12	7	18.56	18.54	18.70	18.71	18.60		
5	16QAM	12	13	18.66	18.67	18.70	18.67	18.56	19.5	0
5	16QAM	25	0	18.63	18.62	18.70	18.66	18.54		
5	64QAM	1	0	18.58	18.59	18.70	18.72	18.57		
5	64QAM	1	12	18.59	18.61	18.67	18.77	18.59		
5	64QAM	1	24	18.59	18.57	18.77	18.76	18.58	19.5	0
5	64QAM	12	0	18.46	18.61	18.57	18.41	18.59		
5	64QAM	12	7	18.56	18.47	18.71	18.72	18.62		
5	64QAM	12	13	18.67	18.60	18.66	18.66	18.56		
5	64QAM	25	0	18.55	18.57	18.69	18.49	18.68		

Band 41_Ant 31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)												
				39750	40185	40620	41055	41490				
20	QPSK	1	0	23.81	23.82	23.84	23.80	23.81	24.5	0		
20	QPSK	1	49	23.95	24.01	24.05	23.91	23.97				
20	QPSK	1	99	23.86	23.81	23.85	23.82	23.80				
20	QPSK	50	0	22.85	22.96	22.92	22.93	23.00				
20	QPSK	50	24	23.05	23.08	23.10	23.07	23.04	23.5	1		
20	QPSK	50	50	22.99	23.05	23.05	22.98	22.81				
20	16QAM	1	0	22.90	22.98	22.99	22.97	22.88				
20	16QAM	1	49	23.21	23.36	23.23	23.25	23.21				
20	16QAM	1	99	23.03	23.17	23.08	23.06	22.98	23.5	1		
20	16QAM	50	0	21.89	21.98	22.03	21.94	22.05				
20	16QAM	50	24	22.04	22.12	22.10	22.12	22.07				
20	16QAM	50	50	22.15	22.09	22.04	22.07	21.90				
20	16QAM	100	0	21.96	22.07	22.07	22.02	21.90	22.5	2		
20	64QAM	1	0	21.96	21.96	21.95	21.94	21.94				
20	64QAM	1	49	22.11	22.23	22.17	22.13	22.15				
20	64QAM	50	0	20.87	20.87	21.02	20.82	21.02				
20	64QAM	50	24	21.02	21.16	21.12	21.18	21.04	21.5	3		
20	64QAM	50	50	21.04	21.12	21.06	21.10	20.95				
20	64QAM	100	0	21.02	21.07	21.07	21.01	21.02				
Channel Frequency (MHz)				39725	40173	40606	41098	41515				
				39725	40173	40606	41098	41515	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.82	23.83	23.84	23.79	23.82	24.50	0		
15	QPSK	1	37	23.84	24.02	24.01	23.97	24.02				
15	QPSK	1	73	23.72	23.74	23.83	23.72	23.79				
15	QPSK	36	0	22.86	22.92	22.85	22.87	22.89				
15	QPSK	36	20	22.88	22.98	23.09	23.04	23.02	23.5	1		
15	QPSK	36	36	22.98	23.08	23.00	23.04	23.00				
15	QPSK	75	0	22.86	22.92	22.94	22.99	22.85				
15	16QAM	1	0	23.03	23.05	23.00	22.95	22.94				
15	16QAM	1	37	23.12	23.15	23.15	23.15	23.15	23.5	1		
15	16QAM	1	74	23.05	23.06	23.05	22.94	22.97				
15	16QAM	36	0	21.85	22.00	22.00	22.00	21.92				
15	16QAM	36	20	22.02	21.96	22.04	22.04	22.04				
15	16QAM	36	39	21.93	21.93	21.89	21.90	21.99	22.5	2		
15	16QAM	75	0	22.03	22.03	22.01	22.05	21.94				
15	64QAM	1	0	21.88	21.88	21.84	21.88	21.84				
15	64QAM	1	37	22.15	22.03	22.13	22.14	22.10				
15	64QAM	1	74	21.87	21.94	21.98	21.90	22.01	21.5	3		
15	64QAM	36	0	20.89	21.00	20.91	20.98	20.98				
15	64QAM	36	39	21.06	20.98	20.98	21.12	21.05				
15	64QAM	36	39	20.91	20.96	20.99	21.02	21.06				
15	64QAM	75	0	21.05	21.04	21.08	21.08	21.06				
Channel Frequency (MHz)				39700	40160	40620	41080	41560				
				39700	40160	40620	41080	41560	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.01	23.07	23.03	23.00	23.03	24.50	0		
10	QPSK	1	25	24.02	23.97	23.91	23.92	23.78				
10	QPSK	1	49	23.74	23.70	23.74	23.73	23.71				
10	QPSK	25	0	22.88	22.77	22.81	22.82	22.81				
10	QPSK	25	12	22.99	22.98	22.97	23.02	22.95	23.5	1		
10	QPSK	25	25	22.99	22.99	23.01	22.93	23.01				
10	QPSK	50	0	22.86	22.88	22.88	22.88	22.88				
10	16QAM	1	0	23.03	22.93	23.04	23.08	23.01				
10	16QAM	1	25	23.15	23.08	23.10	23.13	23.10	23.5	1		
10	16QAM	1	49	23.98	24.03	24.04	23.97	23.97				
10	16QAM	25	0	21.98	21.88	21.90	21.84	21.88				
10	16QAM	25	12	22.06	22.08	21.88	22.03	22.00				
10	16QAM	25	12	22.03	21.99	21.93	22.03	21.94	22.5	2		
10	16QAM	50	0	21.93	22.04	22.06	21.97	21.99				
10	64QAM	1	0	21.91	21.81	21.81	21.88	21.82				
10	64QAM	1	25	22.11	22.05	22.09	22.12	22.17				
10	64QAM	1	49	21.97	22.01	22.02	21.89	21.87	22.5	2		
10	64QAM	25	0	20.94	20.88	20.94	20.97	20.97				
10	64QAM	25	12	21.00	21.08	21.12	21.03	20.99				
10	64QAM	25	25	20.92	20.94	20.91	21.05	21.03				
10	64QAM	50	0	21.03	21.02	21.04	20.94	20.98	21.5	3		
Channel Frequency (MHz)				39675	40165	40600	41060	41555				
				39675	40165	40600	41060	41555			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.72	23.69	23.80	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.89	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.04	23.03	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.98	22.07	21.93				
5	64QAM	1	0	21.87	21.86	21.84	21.88	21.95				
5	64QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	64QAM	12	0	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	64QAM	12	7	20.89	20.93	20.97	20.97	20.97				
5	64QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	64QAM	25	0	21.03	21.04	20.99	21.05	20.98				
5	64QAM	25	12	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz)				39650	40155	40595	41055	41550				
				39650	40155	40595	41055	41550			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.72	23.69	23.80	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.89	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.04	23.03	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.98	22.07	21.93				
5	64QAM	1	0	21.87	21.86	21.84	21.88	21.95				
5	64QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	64QAM	12	0	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	64QAM	12	7	20.89	20.93	20.97	20.97	20.97				
5	64QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	64QAM	25	0	21.03	21.04	20.99	21.05	20.98				
5	64QAM	25	12	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz)				39625	40150	40590	41050	41545				
				39625	40150	40590	41050	41545			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.72	23.69	23.80	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.89	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88	22.81	22.78	22.88				
5	QPSK	12	7	23.10	22.96	23.02	23.08	22.99	23.5	1		
5	QPSK	12	13	22.93	22.83	22.95	22.92	22.99				
5	QPSK	25	0	22.88	22.93	22.92	22.98	22.92				
5	16QAM	1	0	22.93	23.01	23.04	23.03	23.08				
5	16QAM	1	12	23.18	23.09	23.10	23.15	23.21	23.5	1		
5	16QAM	1	24	22.94	22.97	23.05	23.04	23.04				
5	16QAM	12	0	21.88	21.89	21.88	21.89	21.89				
5	16QAM	12	7	22.02	22.06	22.06	21.95	22.05				
5	16QAM	12	13	22.04	22.02	22.02	22.03	22.01	22.5	2		
5	16QAM	25	0	21.86	21.98	21.98	22.07	21.93				
5	64QAM	1	0	21.87	21.86	21.84	21.88	21.95				
5	64QAM	1	12	22.07	22.14	22.09	22.16	22.13				
5	64QAM	12	0	21.90	21.98	21.95	21.91	21.91	22.5	2		
5	64QAM	12	7	20.89	20.93	20.97	20.97	20.97				
5	64QAM	12	13	21.11	21.05	21.00	21.00	21.10				
5	64QAM	25	0	21.03	21.04	20.99	21.05	20.98				
5	64QAM	25	12	21.05	20.99	21.04	20.99	20.92	21.5	3		
Channel Frequency (MHz)				39600	40145	40585	41045	41540				
				39600	40145	40585	41045	41540			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.72	23.69	23.80	23.78	23.81			24.50	0
5	QPSK	1	12	23.90	23.87	23.86	23.89	23.94				
5	QPSK	1	24	23.74	23.78	23.73	23.73	23.78				
5	QPSK	12	0	22.89	22.88							



Reduced Power Mode for DS15

<GSM>

GSM850_Ant.13		Burst Average Power (dBm)		Tune-up		Frame-Average Power (dBm)		Tune-up	
TX Channel	Limit	125	180	251	Limit	125	180	251	Limit
Frequency (MHz)	824.2	836.4	848.8	854.2	854.2	836.4	848.8	854.2	854.2
GSM 1 Tx slot	32.71	32.73	32.70	34.00	23.71	23.75	23.70	25.00	25.00
GPRS-EDGE(GMSK) 1 Tx slot	32.70	32.73	32.68	34.00	23.70	23.75	23.68	25.00	25.00
GPRS-EDGE(GMSK) 2 Tx slots	30.60	30.64	30.62	32.00	24.60	24.64	24.62	25.00	25.00
GPRS-EDGE(GMSK) 3 Tx slots	28.55	28.60	28.48	30.00	24.29	24.34	24.22	25.74	25.74
GPRS-EDGE(GMSK) 4 Tx slots	26.30	26.35	26.31	28.00	23.30	23.35	23.31	25.00	25.00
EDGE 1 Tx slot	26.80	26.88	26.85	28.00	17.80	17.88	17.85	19.00	19.00
EDGE 2 Tx slots	25.01	25.02	24.87	26.00	19.01	19.02	18.87	20.00	20.00
EDGE 3 Tx slots	22.75	22.80	22.77	24.00	18.49	18.53	18.51	19.74	19.74
EDGE 4 Tx slots	20.45	20.35	20.37	22.00	17.45	17.35	17.37	19.00	19.00

GSM1800_Ant.13		Burst Average Power (dBm)		Tune-up		Frame-Average Power (dBm)		Tune-up	
TX Channel	Limit	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2
GSM 1 Tx slot	28.12	27.98	27.95	29.50	19.12	19.08	18.95	19.50	19.50
GPRS-EDGE(GMSK) 1 Tx slot	28.15	28.05	27.99	29.50	19.15	19.05	18.99	19.50	19.50
GPRS-EDGE(GMSK) 2 Tx slots	25.16	25.17	25.08	26.00	18.16	18.17	18.08	20.00	20.00
GPRS-EDGE(GMSK) 3 Tx slots	22.15	22.05	21.97	23.50	17.60	17.54	17.51	19.24	19.24
GPRS-EDGE(GMSK) 4 Tx slots	21.28	21.10	20.97	22.50	16.28	16.10	17.97	19.50	19.50
EDGE 1 Tx slot	26.18	26.20	26.10	27.00	17.18	17.20	17.10	18.00	18.00
EDGE 2 Tx slots	24.44	24.41	24.38	25.00	19.44	19.41	19.38	19.00	19.00
EDGE 3 Tx slots	22.77	22.61	22.47	23.50	18.51	18.35	18.21	19.24	19.24
EDGE 4 Tx slots	20.69	20.57	20.60	21.50	17.69	17.57	17.50	18.50	18.50

<GSM>

GSM850_Ant.31		Burst Average Power (dBm)		Tune-up		Frame-Average Power (dBm)		Tune-up	
TX Channel	Limit	125	180	251	Limit	125	180	251	Limit
Frequency (MHz)	824.2	836.4	848.8	854.2	854.2	836.4	848.8	854.2	854.2
GSM 1 Tx slot	32.30	32.43	32.42	33.50	23.30	23.43	23.42	24.50	24.50
GPRS-EDGE(GMSK) 1 Tx slot	32.28	32.42	32.41	33.50	23.28	23.42	23.41	24.50	24.50
GPRS-EDGE(GMSK) 2 Tx slots	30.19	30.35	30.34	31.50	24.19	24.35	24.34	25.50	25.50
GPRS-EDGE(GMSK) 3 Tx slots	28.01	28.18	28.17	29.50	23.75	23.92	23.91	25.24	25.24
GPRS-EDGE(GMSK) 4 Tx slots	25.78	25.93	25.92	27.50	22.78	22.93	22.92	24.50	24.50
EDGE 1 Tx slot	26.37	26.62	26.61	27.50	17.37	17.62	17.61	18.50	18.50
EDGE 2 Tx slots	24.56	24.61	24.65	25.50	18.56	18.61	18.65	19.50	19.50
EDGE 3 Tx slots	22.28	22.34	22.51	23.50	18.02	18.08	18.25	19.24	19.24
EDGE 4 Tx slots	19.91	20.03	20.18	21.50	16.91	17.03	17.18	18.50	18.50

GSM1800_Ant.31		Burst Average Power (dBm)		Tune-up		Frame-Average Power (dBm)		Tune-up	
TX Channel	Limit	512	661	810	Limit	512	661	810	Limit
Frequency (MHz)	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2
GSM 1 Tx slot	28.92	28.95	29.03	29.50	19.92	19.95	20.03	20.50	20.50
GPRS-EDGE(GMSK) 1 Tx slot	28.92	28.95	29.03	29.50	19.92	19.95	20.03	20.50	20.50
GPRS-EDGE(GMSK) 2 Tx slots	25.78	25.81	25.94	26.50	19.78	19.81	19.94	20.50	20.50
GPRS-EDGE(GMSK) 3 Tx slots	22.82	22.84	22.98	24.00	18.55	18.58	18.72	19.74	19.74
GPRS-EDGE(GMSK) 4 Tx slots	21.31	21.30	21.43	23.00	18.31	18.30	18.43	20.00	20.00
EDGE 1 Tx slot	25.88	26.07	26.24	27.00	18.88	17.07	17.24	18.00	18.00
EDGE 2 Tx slots	24.37	24.45	24.55	25.00	18.37	18.46	18.55	19.00	19.00
EDGE 3 Tx slots	22.55	22.64	22.69	23.50	18.29	18.38	18.43	19.24	19.24
EDGE 4 Tx slots	20.55	20.62	20.61	21.50	17.55	17.62	17.61	18.50	18.50

<WCDMA>

Band	WCDMA R_Ant.13				WCDMA V_Ant.13				WCDMA V_Ant.13				
	TX Channel	Limit	5382	9400	9538	Limit	4132	4182	4233	Limit	4132	4182	4233
Frequency (MHz)		1852.4	1880	1907.6	1912.4	1912.4	1912.4	1912.4	1912.4	1912.4	1912.4	1912.4	1912.4
3GPP Rel 99	AMR 12.2Kbps	18.03	18.06	18.09	19.00	18.84	18.94	18.91	20.00	23.23	23.30	23.28	24.50
3GPP Rel 99	AMR 12.2Kbps	18.07	18.11	18.10	19.00	18.92	18.97	18.93	20.00	23.23	23.30	23.28	24.50
3GPP Rel 6	HS-DS-SS Subsect-1	17.21	17.12	17.84	18.00	17.91	17.91	17.91	19.00	22.37	22.40	22.47	23.50
3GPP Rel 6	HS-DS-SS Subsect-2	17.04	17.02	17.19	18.00	18.06	17.91	17.92	19.00	22.40	22.42	22.25	23.50
3GPP Rel 6	HS-DS-SS Subsect-3	16.50	16.58	16.57	17.50	17.43	17.35	17.45	18.50	21.30	21.33	21.20	23.50
3GPP Rel 6	HS-DS-SS Subsect-4	16.66	16.49	16.51	17.50	17.51	17.30	17.54	18.50	21.31	21.30	21.70	23.50
3GPP Rel 6	DC-HS-SS Subsect-1	17.13	17.00	17.17	18.00	17.86	17.98	17.83	19.00	22.30	22.35	22.41	23.50
3GPP Rel 6	DC-HS-SS Subsect-2	17.05	17.07	17.15	18.00	17.93	17.96	17.84	19.00	22.30	22.35	22.41	23.50
3GPP Rel 6	DC-HS-SS Subsect-3	16.58	16.52	16.60	17.50	17.44	17.26	17.39	18.50	21.88	21.94	21.69	23.50
3GPP Rel 6	DC-HS-SS Subsect-4	16.59	16.48	16.54	17.50	17.51	17.33	17.41	18.50	21.88	21.88	21.67	23.50
3GPP Rel 6	HS-UPA Subsect-1	15.25	15.41	15.13	16.00	15.82	16.00	15.94	17.00	21.31	21.31	21.45	22.50
3GPP Rel 6	HS-UPA Subsect-2	15.18	15.22	15.13	16.00	15.86	15.88	15.89	17.00	21.37	21.32	21.42	22.50
3GPP Rel 6	HS-UPA Subsect-3	16.18	16.12	16.23	17.00	16.90	16.96	16.90	18.00	22.38	22.35	22.40	23.50
3GPP Rel 6	HS-UPA Subsect-4	14.99	14.69	14.80	15.50	15.49	15.54	15.46	16.50	20.83	20.85	20.90	22.50
3GPP Rel 6	HS-UPA Subsect-5	16.08	16.11	16.13	17.00	16.90	16.93	16.89	18.00	22.38	22.38	22.40	23.50
3GPP Rel 7	HS-PA (FQ-TM) Subsect-1	15.15	15.22	15.14	16.00	15.98	15.97	16.05	17.00	21.35	21.44	21.40	22.50

Band		WCDMA R_Ant.31			WCDMA V_Ant.31			WCDMA V_Ant.31		
TX Channel	Limit	5382	9400	9538	Limit	4132	4182	4233	Limit	
Frequency (MHz)	1852.4	1880	1907.6	1912.4	1912.4	1912.4	1912.4	1912.4	1912.4	
3GPP Rel 99	AMR 12.2Kbps	20.26	20.28	20.22	21.00	19.53	19.60	19.62	20.50	
3GPP Rel 99	AMR 12.2Kbps	20.27	20.30	20.27	21.00	19.58	19.65	19.63	20.50	
3GPP Rel 6	HS-DS-SS Subsect-1	19.32	19.25	19.47	20.00	18.49	18.69	18.50	22.23	
3GPP Rel 6	HS-DS-SS Subsect-2	18.17	18.08	18.13	20.00	18.42	18.57	18.50	22.15	
3GPP Rel 6	HS-DS-SS Subsect-3	18.80	18.70	18.84	19.50	17.85	18.02	18.16	21.68	
3GPP Rel 6	HS-DS-SS Subsect-4	18.69	18.60	18.73	19.50	17.97	18.05	18.17	21.62	
3GPP Rel 6	DC-HS-SS Subsect-1	19.25	19.18	19.36	20.00	18.48	18.61	18.56	19.50	
3GPP Rel 6	DC-HS-SS Subsect-2	19.11	19.05	19.16	20.00	18.29	18.47	18.58	19.50	
3GPP Rel 6	DC-HS-SS Subsect-3	18.71	18.68	18.74	19.50	17.90	18.02	18.08	19.00	
3GPP Rel 6	DC-HS-SS Subsect-4	18.60	18.62	18.75	19.50	17.93	18.01	18.11	19.00	
3GPP Rel 6	HS-UPA Subsect-1	17.41	17.28	17.50	18.20	16.63	16.71	16.63	17.50	
3GPP Rel 6	HS-UPA Subsect-2	17.25	17.24	17.47	18.20	16.57	16.59	16.63	17.50	
3GPP Rel 6	HS-UPA Subsect-3	18.30	18.30	18.52	19.00	17.55	17.70	17.68	18.50	
3GPP Rel 6	HS-UPA Subsect-4	18.69	18.75	17.01	17.50	16.02	16.08	16.07	17.00	
3GPP Rel 6	HS-UPA Subsect-5	18.26	18.18	18.32	19.00	17.55	17.62	17.65	18.50	
3GPP Rel 7	HS-PA (FQ-TM) Subsect-1	17.30	17.30	17.41	18.20	16.62	16.68	16.72	17.70	

Band 2_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 Frequency (MHz)									
20	QPSK	1	0	17.92	17.92	17.89	19.1	0	
20	QPSK	1	49	18.02	18.12	18.02			
20	QPSK	1	99	17.77	17.79	17.72			
20	QPSK	50	0	17.82	17.79	17.81			
20	QPSK	50	24	17.95	18.1	18.01	19.1	0	
20	QPSK	50	50	17.7	17.83	17.74			
20	QPSK	100	0	17.85	18.03	17.87			
20	16QAM	1	0	17.81	17.81	17.87			
20	16QAM	1	49	18.09	18.11	18.09	19.1	0	
20	16QAM	1	99	17.88	18.01	17.85			
20	16QAM	50	0	17.97	17.89	17.71			
20	16QAM	50	24	17.81	17.9	17.89			
20	16QAM	50	50	17.69	17.77	17.62	19.1	0	
20	16QAM	100	0	17.75	17.88	17.8			
20	64QAM	1	0	18.05	18.05	18.1			
20	64QAM	1	49	18.06	18.02	18.08		19.1	0
20	64QAM	1	99	17.92	17.96	17.82			
20	64QAM	50	0	17.99	17.95	17.89			
20	64QAM	50	24	17.91	18.06	17.91			
20	64QAM	50	50	17.82	17.79	17.8	19.1	0	
20	64QAM	100	0	17.71	17.83	17.82			
Channel Frequency (MHz)									
15	QPSK	1	0	17.82	17.84	17.89	19.1	0	
15	QPSK	1	37	17.97	18.16	17.96			
15	QPSK	1	74	17.66	17.88	17.65			
15	QPSK	36	0	17.80	17.87	17.74			
15	QPSK	36	36	17.91	18.04	17.88	19.1	0	
15	QPSK	36	39	17.60	17.75	17.65			
15	QPSK	75	0	17.89	17.98	17.81			
15	16QAM	1	0	17.72	17.77	17.80			
15	16QAM	1	37	18.01	18.07	17.98	19.1	0	
15	16QAM	1	74	17.81	17.88	17.78			
15	16QAM	36	0	17.87	17.80	17.62			
15	16QAM	36	20	17.74	17.85	17.86		19.1	0
15	16QAM	36	39	17.62	17.75	17.57			
15	16QAM	75	0	17.63	17.82	17.68			
15	64QAM	1	0	17.93	17.94	18.08	19.1	0	
15	64QAM	1	37	18.04	17.93	17.99			
15	64QAM	1	74	17.83	17.83	17.81			
15	64QAM	36	0	17.88	17.92	17.86			
15	64QAM	36	20	17.82	18.01	17.86	19.1	0	
15	64QAM	36	39	17.78	17.77	17.73			
15	64QAM	75	0	17.61	17.74	17.76			
Channel Frequency (MHz)									
10	QPSK	1	0	17.86	17.89	17.81	19.1	0	
10	QPSK	1	25	17.95	18.10	17.94			
10	QPSK	1	49	17.70	17.88	17.65			
10	QPSK	25	0	17.77	17.86	17.69			
10	QPSK	25	12	17.88	18.00	17.96	19.1	0	
10	QPSK	25	25	17.68	17.74	17.70			
10	QPSK	50	0	17.88	17.92	17.81			
10	16QAM	1	0	17.77	17.78	17.80			
10	16QAM	1	25	18.07	17.99	17.89	19.1	0	
10	16QAM	1	49	17.76	17.85	17.79			
10	16QAM	25	0	17.90	17.80	17.81			
10	16QAM	25	12	17.72	17.85	17.82		19.1	0
10	16QAM	25	25	17.66	17.67	17.59			
10	16QAM	50	0	17.65	17.76	17.78			
10	64QAM	1	0	17.95	17.93	18.01			
10	64QAM	1	25	17.96	17.99	17.96	19.1	0	
10	64QAM	1	49	17.81	17.84	17.71			
10	64QAM	25	0	17.87	17.85	17.78			
10	64QAM	25	12	17.85	18.01	17.81		19.1	0
10	64QAM	25	25	17.76	17.68	17.68			
10	64QAM	50	0	17.63	17.78	17.76			
Channel Frequency (MHz)									
5	QPSK	1	0	17.81	17.81	17.81	19.1	0	
5	QPSK	1	12	17.93	18.05	17.98			
5	QPSK	1	24	17.70	17.87	17.67			
5	QPSK	12	0	17.73	17.80	17.71			
5	QPSK	12	7	17.91	18.02	17.94	19.1	0	
5	QPSK	12	13	17.65	17.73	17.68			
5	QPSK	25	0	17.88	17.93	17.83			
5	16QAM	1	0	17.70	17.76	17.84		19.1	0
5	16QAM	1	12	18.04	18.08	17.97			
5	16QAM	1	24	17.86	17.92	17.86			
5	16QAM	12	0	17.88	17.80	17.83			
5	16QAM	12	7	17.71	17.80	17.84	19.1	0	
5	16QAM	12	13	17.66	17.66	17.50			
5	16QAM	25	0	17.73	17.78	17.68			
5	64QAM	1	0	17.98	18.02	18.04		19.1	0
5	64QAM	1	12	18.02	17.99	17.86			
5	64QAM	12	0	17.83	17.84	17.77			
5	64QAM	12	7	17.96	17.92	17.86			
5	64QAM	12	7	17.84	18.04	17.88	19.1	0	
5	64QAM	12	13	17.80	17.77	17.72			
5	64QAM	25	0	17.66	17.74	17.77			
Channel Frequency (MHz)									
3	QPSK	1	0	17.90	17.88	17.74	19.1	0	
3	QPSK	1	8	17.93	18.08	17.92			
3	QPSK	1	16	17.67	17.85	17.70			
3	QPSK	8	0	17.72	17.85	17.78			
3	QPSK	8	4	17.93	18.03	17.91	19.1	0	
3	QPSK	8	7	17.68	17.81	17.68			
3	QPSK	15	0	17.88	17.84	17.85			
3	16QAM	1	0	17.79	17.75	17.85		19.1	0
3	16QAM	1	8	17.88	18.02	17.97			
3	16QAM	1	14	17.85	17.87	17.83			
3	16QAM	8	0	17.95	17.78	17.67			
3	16QAM	8	4	17.78	17.81	17.79	19.1	0	
3	16QAM	8	7	17.67	17.74	17.51			
3	16QAM	15	0	17.69	17.78	17.75			
3	64QAM	1	0	17.98	18.01	17.98		19.1	0
3	64QAM	1	8	17.99	17.90	17.88			
3	64QAM	1	14	17.81	17.94	17.75			
3	64QAM	8	0	17.88	17.88	17.83			
3	64QAM	8	4	17.82	17.98	17.82	19.1	0	
3	64QAM	8	7	17.73	17.71	17.71			
3	64QAM	15	0	17.60	17.55	17.75			
Channel Frequency (MHz)									
1.4	QPSK	1	0	17.81	17.82	17.87	19.1	0	
1.4	QPSK	1	3	17.98	18.06	17.98			
1.4	QPSK	1	5	17.70	17.78	17.69			
1.4	QPSK	3	0	17.71	17.79	17.70			
1.4	QPSK	3	1	17.88	18.00	17.99	19.1	0	
1.4	QPSK	3	3	17.62	17.77	17.69			
1.4	QPSK	6	0	17.65	17.88	17.78			
1.4	16QAM	1	0	17.71	17.77	17.81		19.1	0
1.4	16QAM	1	3	18.07	18.05	18.03			
1.4	16QAM	1	5	17.81	17.86	17.85			
1.4	16QAM	3	0	17.87	17.77	17.81			
1.4	16QAM	3	1	17.72	17.80	17.77	19.1	0	
1.4	16QAM	3	3	17.61	17.68	17.58			
1.4	16QAM	6	0	17.66	17.86	17.73			
1.4	64QAM	1	0	17.99	18.00	17.98		19.1	0
1.4	64QAM	1	3	17.96	17.96	18.03			
1.4	64QAM	1	5	17.82	17.89	17.78			
1.4	64QAM	3	0	17.95	17.92	17.78			
1.4	64QAM	3	1	17.85	18.02	17.81	19.1	0	
1.4	64QAM	3	3	17.70	17.69	17.75			

Band 2_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 Frequency (MHz)								
20	QPSK	1	0	18.00	18.00	18.00	21	0
20	QPSK	1	49	20.02	19.95	20.08		
20	QPSK	1	99	20.12	20.17	20.04		
20	QPSK	50	0	20.3	20.34	20.31		
20	QPSK	50	24	20.35	20.38	20.35	21	0
20	QPSK	50	50	20.32	20.19	20.27		
20	QPSK	100	0	20.21	20.42	20.29		
20	16QAM	1	0	20.35	20.4	20.42		
20	16QAM	1	49	20.37	20.4	20.41	21	0
20	16QAM	1	99	20.34	20.33	20.38		
20	16QAM	50	0	20.2	20.39	20.18	21	0
20	16QAM	50	24	20.4	20.41	20.34		
20	16QAM	50	50	20.37	20.24	20.2		
20	16QAM	100	0	20.38	20.25	20.25		
20	64QAM	1	0	20.25	20.32	20.27	21	0
20	64QAM	1	49	20.4	20.33	20.37		
20	64QAM	1	99	20.4	20.39	20.41		
20	64QAM	50	0	20.21	20.33	20.23		
20	64QAM	50	24	20.38	20.35	20.34	21	0
20	64QAM	50	50	20.41	20.34	20.27		
20	64QAM	100	0	20.33	20.19	20.17		
Channel Frequency (MHz)								
15	QPSK	1	0	18.02	18.00	18.025	21	0
15	QPSK	1	37	20.07	19.87	19.85		
15	QPSK	1	74	20.06	20.13	20.00		
15	QPSK	35	0	20.28	20.27	20.29		
15	QPSK	35	20	20.30	20.31	20.32	21	0
15	QPSK	38	39	20.23	20.10	20.24		
15	QPSK	75	0	20.18	20.17	20.17		
15	16QAM	1	0	20.27	20.34	20.35		
15	16QAM	1	37	20.28	20.37	20.36	21	0
15	16QAM	1	74	20.28	20.34	20.34		
15	16QAM	35	0	20.18	20.33	20.16	21	0
15	16QAM	38	39	20.34	20.30	20.29		
15	16QAM	38	39	20.28	20.20	20.08		
15	16QAM	75	0	20.24	20.23	20.13		
15	64QAM	1	0	20.16	20.14	20.14	21	0
15	64QAM	1	37	20.37	20.30	20.32		
15	64QAM	1	74	20.33	20.31	20.32		
15	64QAM	35	0	20.11	20.12	20.13		
15	64QAM	35	20	20.32	20.32	20.24	21	0
15	64QAM	38	39	20.33	20.22	20.20		
15	64QAM	75	0	20.28	20.27	20.07		
Channel Frequency (MHz)								
10	QPSK	1	0	18.05	18.00	18.05	21	0
10	QPSK	1	25	20.33	19.88	20.33		
10	QPSK	1	49	20.08	20.07	19.92		
10	QPSK	25	0	20.27	20.24	20.18		
10	QPSK	25	12	20.27	20.30	20.28	21	0
10	QPSK	25	25	20.24	20.09	20.22		
10	QPSK	50	0	20.10	20.38	20.21		
10	16QAM	1	0	20.24	20.38	20.30		
10	16QAM	1	25	20.22	20.31	20.36	21	0
10	16QAM	49	0	20.22	20.29	20.29		
10	16QAM	25	0	20.10	20.29	20.12	21	0
10	16QAM	25	12	20.31	20.37	20.29		
10	16QAM	25	25	20.25	20.12	20.12		
10	16QAM	50	0	20.24	20.15	20.17		
10	64QAM	1	0	20.16	20.18	20.18	21	0
10	64QAM	1	25	20.34	20.22	20.29		
10	64QAM	1	49	20.35	20.31	20.35		
10	64QAM	25	0	20.15	20.19	20.19		
10	64QAM	25	12	20.28	20.25	20.24	21	0
10	64QAM	25	25	20.34	20.30	20.20		
10	64QAM	50	0	20.29	20.18	20.11		
Channel Frequency (MHz)								
5	QPSK	1	0	18.02	18.00	18.025	21	0
5	QPSK	1	12	20.31	19.82	20.24		
5	QPSK	1	24	20.09	20.15	19.98		
5	QPSK	12	0	20.24	20.30	20.22		
5	QPSK	12	7	20.24	20.33	20.31	21	0
5	QPSK	12	13	20.28	20.08	20.24		
5	QPSK	25	0	20.18	20.27	20.22		
5	16QAM	1	0	20.25	20.35	20.35		
5	16QAM	1	12	20.25	20.28	20.29	21	0
5	16QAM	1	24	20.28	20.31	20.33		
5	16QAM	12	0	20.15	20.31	20.13	21	0
5	16QAM	12	7	20.28	20.30	20.22		
5	16QAM	12	13	20.28	20.12	20.15		
5	16QAM	25	0	20.31	20.19	20.17		
5	64QAM	1	0	20.23	20.31	20.12	21	0
5	64QAM	1	12	20.37	20.30	20.27		
5	64QAM	1	24	20.30	20.34	20.35		
5	64QAM	12	0	20.18	20.21	20.12		
5	64QAM	12	7	20.27	20.27	20.29	21	0
5	64QAM	12	13	20.37	20.22	20.17		
5	64QAM	25	0	20.28	20.19	20.13		
Channel Frequency (MHz)								
3	QPSK	1	0	18.05	18.00	18.05	21	0
3	QPSK	1	8	20.33	19.87	20.33		
3	QPSK	1	14	20.03	20.11	19.97		
3	QPSK	8	0	20.18	20.31	20.28		
3	QPSK	8	4	20.24	20.27	20.27	21	0
3	QPSK	8	7	20.23	20.16	20.25		
3	QPSK	15	0	20.09	20.20	20.22		
3	16QAM	1	0	20.24	20.38	20.30		
3	16QAM	1	8	20.26	20.35	20.36	21	0
3	16QAM	1	14	20.30	20.30	20.32		
3	16QAM	8	0	20.18	20.27	20.16	21	0
3	16QAM	8	4	20.34	20.31	20.29		
3	16QAM	8	7	20.30	20.14	20.13		
3	16QAM	15	0	20.29	20.15	20.16		
3	64QAM	1	0	20.20	20.19	20.18	21	0
3	64QAM	1	8	20.34	20.22	20.34		
3	64QAM	1	14	20.38	20.33	20.31		
3	64QAM	8	0	20.12	20.23	20.12		
3	64QAM	8	4	20.28	20.23	20.29	21	0
3	64QAM	8	7	20.29	20.22	20.25		
3	64QAM	15	0	20.24	20.38	20.08		
Channel Frequency (MHz)								
1.4	QPSK	1	0	18.02	18.00	18.025	21	0
1.4	QPSK	1	3	20.29	19.86	20.23		
1.4	QPSK	1	5	20.04	20.11	20.00		
1.4	QPSK	3	0	20.20	20.24	20.20		
1.4	QPSK	3	1	20.29	20.31	20.33	21	0
1.4	QPSK	3	3	20.24	20.15	20.15		
1.4	QPSK	6	0	20.18	20.23	20.12		
1.4	16QAM	1	0	20.23	20.33	20.38		
1.4	16QAM	1	3	20.33	20.31	20.36	21	0
1.4	16QAM	1	5	20.23	20.27	20.28		
1.4	16QAM	3	0	20.12	20.34	20.10	21	0
1.4	16QAM	3	1	20.36	20.30	20.30		
1.4	16QAM	3	3	20.34	20.17	20.10		
1.4	16QAM	6	0	20.33	20.19	20.15		
1.4	64QAM	1	0	20.23	20.13	20.15	21	0
1.4	64QAM	1	3	20.38	20.27	20.33		
1.4	64QAM	1	5	20.29	20.34	20.29		
1.4	64QAM	3	0	20.14	20.14	20.14		
1.4	64QAM	3	1	20.29	20.24	20.25	21	0
1.4	64QAM	3	3	20.20	20.31	20.24		
1.4	64QAM	6	0	20.22	20.07	20.07	21	0
1.4	64QAM	6	1	20.34	20.27	20.27		

Band 4_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 Frequency (MHz)								
20	QPSK	1	0	17.20	17.25	17.25		
20	QPSK	1	49	18.71	18.79	18.75	20	0
20	QPSK	1	99	18.79	18.89	18.84		
20	QPSK	50	0	18.87	18.96	18.97		
20	QPSK	50	24	19.05	19.08	19.07	20	0
20	QPSK	50	50	19.05	18.88	18.91		
20	QPSK	100	0	19.05	19.05	18.81		
20	16QAM	1	0	19.05	19.04	19.07		
20	16QAM	1	49	19.01	19.01	19.08	20	0
20	16QAM	1	99	19.06	19.06	19.07		
20	16QAM	50	0	19.03	18.94	18.98		
20	16QAM	50	24	18.97	19.01	18.92	20	0
20	16QAM	100	0	18.96	19.00	18.81		
20	16QAM	100	0	18.77	18.91	18.86		
20	64QAM	1	0	19.08	19.07	19.05		
20	64QAM	1	49	19.08	19.01	19.08	20	0
20	64QAM	1	99	19.01	19.08	19.03		
20	64QAM	50	0	19.04	18.99	18.99		
20	64QAM	50	24	18.98	19.05	18.92	20	0
20	64QAM	100	0	18.98	19.01	18.82		
20	64QAM	100	0	19.00	18.98	18.97		
Channel Frequency (MHz)								
15	QPSK	1	0	17.17	17.25	17.25		
15	QPSK	1	37	18.59	18.72	18.71	20	0
15	QPSK	1	74	18.98	19.04	18.87		
15	QPSK	1	111	18.75	18.65	18.52		
15	QPSK	36	0	18.84	18.79	18.88		
15	QPSK	36	36	19.08	19.08	19.07	20	0
15	QPSK	36	39	19.03	18.94	18.87		
15	QPSK	75	0	19.01	18.99	18.77		
15	16QAM	1	0	19.01	18.93	19.04		
15	16QAM	1	37	18.96	18.96	19.04	20	0
15	16QAM	1	74	19.04	19.06	18.98		
15	16QAM	36	0	18.91	18.91	18.95		
15	16QAM	36	20	18.86	18.96	18.89	20	0
15	16QAM	36	39	18.92	18.96	18.76		
15	16QAM	75	0	18.95	18.87	18.99		
15	64QAM	1	0	19.03	18.98	18.98		
15	64QAM	1	37	18.96	18.95	18.99	20	0
15	64QAM	1	74	19.05	19.00	18.97		
15	64QAM	36	0	18.97	18.87	18.95		
15	64QAM	36	20	18.93	18.98	18.88	20	0
15	64QAM	36	39	18.92	18.99	18.80		
15	64QAM	75	0	18.96	18.93	18.95		
Channel Frequency (MHz)								
10	QPSK	1	0	18.67	18.75	18.75		
10	QPSK	1	25	19.01	19.05	18.88	20	0
10	QPSK	1	49	19.72	19.63	19.55		
10	QPSK	25	0	18.79	18.75	18.92		
10	QPSK	25	12	18.88	18.97	19.03	20	0
10	QPSK	25	25	18.99	18.89	18.79		
10	QPSK	50	0	18.93	19.04	18.71		
10	16QAM	1	0	18.98	18.96	18.99		
10	16QAM	1	25	19.03	19.07	19.05	20	0
10	16QAM	1	49	18.94	19.04	19.01		
10	16QAM	25	0	18.97	18.82	18.93		
10	16QAM	25	12	18.91	18.89	18.87	20	0
10	16QAM	25	25	18.95	18.96	18.70		
10	16QAM	50	0	18.99	18.90	18.84		
10	64QAM	1	0	18.96	19.02	18.96		
10	64QAM	1	25	18.99	18.98	19.05	20	0
10	64QAM	1	49	18.97	18.96	18.91		
10	64QAM	25	0	18.96	18.87	18.89		
10	64QAM	25	12	18.92	18.94	18.83	20	0
10	64QAM	25	25	18.96	18.95	18.78		
10	64QAM	50	0	18.91	18.94	18.85		
Channel Frequency (MHz)								
5	QPSK	1	0	17.15	17.25	17.25		
5	QPSK	1	12	18.60	18.98	18.83	20	0
5	QPSK	1	24	18.68	18.97	18.92		
5	QPSK	12	0	18.81	19.75	19.80		
5	QPSK	12	7	18.96	19.06	19.04	20	0
5	QPSK	12	13	19.00	18.95	18.78		
5	QPSK	25	0	18.99	19.00	18.74		
5	16QAM	1	0	19.02	18.98	19.01		
5	16QAM	1	12	18.91	18.94	18.97	20	0
5	16QAM	1	24	18.98	19.00	18.96		
5	16QAM	12	0	18.94	18.85	18.91		
5	16QAM	12	7	18.98	18.97	18.89	20	0
5	16QAM	12	13	18.86	18.89	18.89		
5	16QAM	25	0	18.73	18.89	18.84		
5	64QAM	1	0	19.05	19.04	19.89		
5	64QAM	1	12	19.05	18.97	19.02	20	0
5	64QAM	1	24	18.95	19.00	18.97		
5	64QAM	12	0	18.98	18.80	18.91		
5	64QAM	12	7	18.90	18.99	18.80	20	0
5	64QAM	12	13	18.96	18.95	18.80		
5	64QAM	25	0	19.91	19.92	19.88		
Channel Frequency (MHz)								
3	QPSK	1	0	16.60	16.71	16.64		
3	QPSK	1	8	18.95	19.02	18.80	20	0
3	QPSK	1	16	18.67	18.59	18.55		
3	QPSK	8	0	18.78	18.81	18.93		
3	QPSK	8	4	18.96	18.97	19.02	20	0
3	QPSK	8	7	18.99	18.88	18.86		
3	QPSK	15	0	19.03	18.98	18.70		
3	16QAM	1	0	19.93	19.01	18.95		
3	16QAM	1	8	18.95	18.89	19.00	20	0
3	16QAM	1	16	18.98	19.01	18.99		
3	16QAM	8	0	19.00	18.92	18.96		
3	16QAM	8	4	18.95	18.89	18.85	20	0
3	16QAM	8	7	18.90	18.89	18.79		
3	16QAM	15	0	18.70	18.82	18.63		
3	64QAM	1	0	19.04	19.01	19.93		
3	64QAM	1	8	19.98	19.92	19.97	20	0
3	64QAM	1	16	18.91	19.03	18.99		
3	64QAM	8	0	18.97	18.85	18.89		
3	64QAM	8	4	18.90	19.03	19.83	20	0
3	64QAM	8	7	18.92	18.97	18.78		
3	64QAM	15	0	18.95	18.89	19.93		
Channel Frequency (MHz)								
1.4	QPSK	1	0	16.64	16.64	16.64		
1.4	QPSK	1	3	18.59	19.03	18.86		
1.4	QPSK	1	5	18.76	18.56	18.57	20	0
1.4	QPSK	3	0	18.78	18.75	18.87		
1.4	QPSK	3	1	19.04	19.02	19.04		
1.4	QPSK	3	3	18.93	18.91	18.84		
1.4	QPSK	6	0	19.03	18.98	18.78	20	0
1.4	16QAM	1	0	19.01	19.02	18.95		
1.4	16QAM	1	3	18.98	19.07	19.01		
1.4	16QAM	1	5	18.99	18.99	19.01	20	0
1.4	16QAM	3	0	18.91	18.83	18.89		
1.4	16QAM	3	1	18.95	18.92	18.87		
1.4	16QAM	3	3	18.95	18.97	18.74		
1.4	16QAM	6	0	18.72	18.79	18.54	20	0
1.4	64QAM	1	0	19.06	19.05	19.02		
1.4	64QAM	1	3	19.98	19.93	19.94		
1.4	64QAM	1	5	18.96	19.06	18.99	20	0
1.4	64QAM	3	0	18.95	18.78	18.94		
1.4	64QAM	3	1	18.86	18.95	18.90		
1.4	64QAM	3	3	18.95	18.97	18.70		
1.4	64QAM	6	0	18.98	18.89	18.87	20	0

Band 4_Ant 31

BW [MHz]	Modulation	Channel	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
20050									
Channel Frequency (MHz)									
20	QPSK	1	0	1720	1727.5	1745			
20	QPSK	1	49	18.58	18.58	18.63	20.5	0	
20	QPSK	1	99	18.43	18.42	18.45			
20	QPSK	50	0	19.67	19.69	19.64			
20	QPSK	50	24	19.08	19.13	19.11	20.5	0	
20	QPSK	50	50	19.63	19.64	19.69			
20	QPSK	100	0	19.69	19.72	19.64			
20	16QAM	1	0	19.69	19.73	19.69			
20	16QAM	1	49	19.86	19.89	19.83	20.5	0	
20	16QAM	1	99	19.74	19.69	19.66			
20	16QAM	50	0	19.72	19.68	19.69			
20	16QAM	50	24	18.88	19.69	19.67	20.5	0	
20	16QAM	50	50	19.69	19.66	19.72			
20	16QAM	100	0	19.63	19.65	19.75			
20	64QAM	1	0	19.69	19.70	19.67			
20	64QAM	1	49	19.88	19.70	19.74	20.5	0	
20	64QAM	1	99	19.74	19.60	19.62			
20	64QAM	50	0	19.68	19.72	19.75			
20	64QAM	50	24	18.73	19.74	19.73	20.5	0	
20	64QAM	50	50	19.73	19.67	19.72			
20	64QAM	100	0	19.68	19.67	19.67			
20075									
Channel Frequency (MHz)									
15	QPSK	1	0	1717.5	1722.5	1747.5			
15	QPSK	1	37	19.51	19.44	19.64	20.5	0	
15	QPSK	1	74	19.32	19.31	19.34			
15	QPSK	36	0	19.59	19.62	19.58			
15	QPSK	36	20	19.57	19.68	19.64	20.5	0	
15	QPSK	36	39	19.51	19.58	19.61			
15	QPSK	75	0	19.62	19.66	19.58			
15	16QAM	1	0	19.61	19.64	19.65			
15	16QAM	1	37	19.60	19.64	19.61	20.5	0	
15	16QAM	1	74	19.64	19.65	19.59			
15	16QAM	36	0	19.69	19.61	19.64			
15	16QAM	36	20	19.65	19.64	19.63	20.5	0	
15	16QAM	36	39	19.65	19.61	19.61			
15	16QAM	75	0	19.53	19.62	19.72			
15	64QAM	1	0	19.61	19.62	19.61			
15	64QAM	1	37	19.59	19.62	19.69	20.5	0	
15	64QAM	1	74	19.66	19.51	19.60			
15	64QAM	36	0	19.57	19.64	19.64			
15	64QAM	36	20	19.71	19.61	19.61	20.5	0	
15	64QAM	36	39	19.69	19.58	19.66			
15	64QAM	75	0	19.59	19.56	19.62			
20000									
Channel Frequency (MHz)									
10	QPSK	1	0	1715	1722.5	1735			
10	QPSK	1	25	19.57	19.74	19.85	20.5	0	
10	QPSK	1	49	19.36	19.40	19.40			
10	QPSK	25	0	19.62	19.63	19.62			
10	QPSK	25	12	19.62	19.62	19.64	20.5	0	
10	QPSK	25	25	19.54	19.53	19.55			
10	QPSK	50	0	19.62	19.69	19.55			
10	16QAM	1	0	19.59	19.62	19.62			
10	16QAM	1	25	19.54	19.54	19.54	20.5	0	
10	16QAM	1	49	19.71	19.67	19.59			
10	16QAM	25	0	19.62	19.63	19.66			
10	16QAM	25	12	19.56	19.62	19.56	20.5	0	
10	16QAM	25	25	19.65	19.58	19.59			
10	16QAM	50	0	19.52	19.53	19.71			
10	64QAM	1	0	19.65	19.64	19.68	20.5	0	
10	64QAM	1	25	19.61	19.61	19.70			
10	64QAM	1	49	19.69	19.48	19.58			
10	64QAM	25	0	19.59	19.64	19.68			
10	64QAM	25	12	19.71	19.64	19.68	20.5	0	
10	64QAM	25	25	19.63	19.60	19.64			
10	64QAM	50	0	19.58	19.58	19.63			
19975									
Channel Frequency (MHz)									
5	QPSK	1	0	1715.5	1722.5	1733.5			
5	QPSK	1	12	19.59	19.43	19.41	20.5	0	
5	QPSK	1	24	19.36	19.37	19.37			
5	QPSK	12	0	19.61	19.63	19.58			
5	QPSK	12	7	19.56	19.67	19.62	20.5	0	
5	QPSK	12	13	19.56	19.55	19.65			
5	QPSK	25	0	19.60	19.66	19.52			
5	16QAM	1	0	19.65	19.62	19.62			
5	16QAM	1	12	19.62	19.60	19.60	20.5	0	
5	16QAM	1	24	19.68	19.66	19.59			
5	16QAM	12	0	19.60	19.61	19.57			
5	16QAM	12	7	19.66	19.59	19.59	20.5	0	
5	16QAM	12	13	19.65	19.58	19.69			
5	16QAM	25	0	19.59	19.61	19.63			
5	64QAM	1	0	19.61	19.63	19.65			
5	64QAM	1	12	19.63	19.58	19.71	20.5	0	
5	64QAM	1	24	19.72	19.57	19.56			
5	64QAM	12	0	19.60	19.64	19.64			
5	64QAM	12	7	19.61	19.63	19.61	20.5	0	
5	64QAM	12	13	19.63	19.59	19.62			
5	64QAM	25	0	19.63	19.62	19.55			
19965									
Channel Frequency (MHz)									
3	QPSK	1	0	1715.5	1722.5	1733.5			
3	QPSK	1	3	19.49	19.47	19.42	20.5	0	
3	QPSK	1	8	19.60	19.71	19.66			
3	QPSK	1	14	19.39	19.39	19.41			
3	QPSK	8	0	19.62	19.66	19.62			
3	QPSK	8	4	19.62	19.68	19.66	20.5	0	
3	QPSK	8	7	19.58	19.63	19.62			
3	QPSK	15	0	19.63	19.67	19.55			
3	16QAM	1	0	19.59	19.70	19.66			
3	16QAM	1	3	19.60	19.66	19.63	20.5	0	
3	16QAM	1	14	19.66	19.64	19.55			
3	16QAM	8	0	19.68	19.56	19.62			
3	16QAM	8	3	19.61	19.65	19.55	20.5	0	
3	16QAM	8	7	19.58	19.56	19.68			
3	64QAM	15	0	19.59	19.60	19.70			
3	64QAM	1	0	19.64	19.60	19.60	20.5	0	
3	64QAM	1	8	19.65	19.69	19.64			
3	64QAM	1	14	19.62	19.51	19.52			
3	64QAM	8	0	19.57	19.62	19.65			
3	64QAM	8	4	19.70	19.69	19.68	20.5	0	
3	64QAM	8	7	19.66	19.62	19.64			
3	64QAM	15	0	19.59	19.56	19.62			
19957									
Channel Frequency (MHz)									
1.4	QPSK	1	0	1715.5	1722.5	1733.5			
1.4	QPSK	1	3	19.49	19.47	19.42	20.5	0	
1.4	QPSK	1	8	19.55	19.72	19.69			
1.4	QPSK	1	14	19.36	19.32	19.38			
1.4	QPSK	3	0	19.61	19.57	19.53			
1.4	QPSK	3	1	19.64	19.68	19.69	20.5	0	
1.4	QPSK	3	3	19.57	19.68	19.61			
1.4	16QAM	6	0	19.64	19.69	19.58			
1.4	16QAM	1	0	19.63	19.71	19.60	20.5	0	
1.4	16QAM	1	3	19.54	19.59	19.53			
1.4	16QAM	3	0	19.64	19.66	19.63			
1.4	16QAM	3	1	19.59	19.69	19.61	20.5	0	
1.4	16QAM	3	3	19.58	19.59	19.68			
1.4	16QAM	6	0	19.52	19.53	19.65			
1.4	64QAM	3	0	19.63	19.63	19.60	20.5	0	
1.4	64QAM	1	3	19.66	19.69	19.69			
1.4	64QAM	1	5	19.64	19.54	19.50			
1.4	64QAM	3	0	19.61	19.61	19.72	20.5	0	
1.4	64QAM	3	1	19.61	19.67	19.70			
1.4	64QAM	3	3	19.70	19.69	19.69			
1.4	64QAM	6	0	19.57	19.57	19.63	20.5	0	

Band 5_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 Frequency (MHz)				2400	2005	2000	24.5	0
				829	838.5	844		
10	QPSK	1	0	23.08	23.19	23.03	23.5	1
10	QPSK	1	25	23.10	23.22	23.07		
10	QPSK	1	49	23.11	23.11	22.96		
10	QPSK	25	0	22.03	22.13	22.09		
10	QPSK	25	12	22.03	22.24	22.14	23.5	1
10	QPSK	25	25	22.02	22.10	22.03		
10	QPSK	50	0	22.15	22.20	22.18		
10	16QAM	1	0	22.55	22.70	22.67		
10	16QAM	1	25	22.76	22.77	22.75	23.5	1
10	16QAM	1	49	22.89	22.73	22.60		
10	16QAM	25	0	21.05	21.07	20.95		
10	16QAM	25	12	21.29	21.31	21.31		
10	16QAM	25	25	20.93	21.04	20.98	22.5	2
10	16QAM	50	0	21.07	21.11	21.02		
10	64QAM	1	0	21.49	21.50	21.39		
10	64QAM	1	25	21.53	21.54	21.49		
10	64QAM	1	49	21.40	21.46	21.45	22.5	2
10	64QAM	25	0	20.18	20.19	20.16		
10	64QAM	25	12	20.22	20.27	20.20		
10	64QAM	25	25	20.04	20.14	20.03		
10	64QAM	50	0	20.17	20.22	20.16	21.5	3
Channel Frequency (MHz)				20425	20055	20025		
				829.5	838.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.04	23.05	22.90	24.5	0
5	QPSK	1	12	23.17	23.08	22.95		
5	QPSK	24	0	23.02	23.06	22.91		
5	QPSK	12	0	21.99	22.07	21.98		
5	QPSK	12	7	22.09	22.23	22.06	23.5	1
5	QPSK	12	13	21.92	22.00	22.00		
5	QPSK	25	0	22.06	22.07	22.05		
5	16QAM	1	0	22.50	22.61	22.56		
5	16QAM	1	12	22.74	22.73	22.75	23.5	1
5	16QAM	1	24	22.57	22.58	22.48		
5	16QAM	12	0	20.90	20.89	20.92		
5	16QAM	12	7	21.29	21.19	21.17		
5	16QAM	12	13	20.83	20.90	20.91	22.5	2
5	16QAM	25	0	20.95	20.96	20.97		
5	64QAM	1	0	21.47	21.47	21.29		
5	64QAM	1	12	21.52	21.52	21.46		
5	64QAM	1	24	21.30	21.30	21.45	22.5	2
5	64QAM	12	0	20.09	20.09	20.12		
5	64QAM	12	7	20.13	20.12	20.11		
5	64QAM	12	13	19.94	20.03	19.89		
5	64QAM	25	0	20.08	20.13	20.11	21.5	3
Channel Frequency (MHz)				20415	20025	20035		
				829.3	831.5	847.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	23.03	23.05	22.90	24.5	0
3	QPSK	1	8	23.17	23.09	23.06		
3	QPSK	1	14	23.09	23.11	22.90		
3	QPSK	8	0	21.93	22.10	21.99		
3	QPSK	8	4	22.17	22.16	22.14	23.5	1
3	QPSK	8	7	21.91	22.09	21.92		
3	QPSK	15	0	22.06	22.18	22.14		
3	16QAM	1	0	22.40	22.70	22.63		
3	16QAM	1	8	22.65	22.74	22.69	23.5	1
3	16QAM	1	14	22.45	22.70	22.46		
3	16QAM	8	0	21.00	21.00	20.93		
3	16QAM	8	4	21.26	21.24	21.21		
3	16QAM	8	7	20.87	21.01	20.84	22.5	2
3	16QAM	15	0	20.84	21.04	20.87		
3	64QAM	1	0	21.48	21.48	21.30		
3	64QAM	1	8	21.51	21.48	21.43		
3	64QAM	1	14	21.32	21.33	21.32	22.5	2
3	64QAM	8	0	20.06	20.10	20.04		
3	64QAM	8	4	20.07	20.15	20.17		
3	64QAM	8	7	20.04	20.08	19.99		
3	64QAM	15	0	20.02	20.11	20.02	21.5	3
Channel Frequency (MHz)				20407	20055	20063		
				829.7	838.5	848.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	23.03	23.10	23.00	24.5	0
1.4	QPSK	1	3	23.20	23.09	23.02		
1.4	QPSK	3	0	23.08	23.07	22.89		
1.4	QPSK	3	1	23.02	22.98	22.84		
1.4	QPSK	3	3	23.03	23.06	22.96	23.5	1
1.4	QPSK	6	0	22.04	22.17	22.04		
1.4	16QAM	1	0	22.43	22.68	22.62		
1.4	16QAM	1	3	22.67	22.66	22.74		
1.4	16QAM	1	5	22.57	22.62	22.46	23.5	1
1.4	16QAM	3	0	22.46	22.66	22.55		
1.4	16QAM	3	1	22.43	22.58	22.56		
1.4	16QAM	3	3	22.52	22.64	22.54		
1.4	16QAM	6	0	21.07	21.00	20.99	22.5	2
1.4	16QAM	1	0	21.47	21.35	21.31		
1.4	64QAM	1	3	21.47	21.44	21.43		
1.4	64QAM	1	5	21.31	21.45	21.41		
1.4	64QAM	3	0	21.07	21.09	20.99	22.5	2
1.4	64QAM	3	1	21.07	21.08	21.01		
1.4	64QAM	3	3	21.05	20.99	21.02		
1.4	64QAM	6	0	20.15	20.15	20.14		

Band 5_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 Frequency (MHz)							24	0
10	QPSK	1	0	22.93	22.78	22.92		
10	QPSK	1	25	21.03	22.05	21.8	23	1
10	QPSK	1	49	22.97	22.86	22.75		
10	QPSK	25	0	21.88	21.92	21.8		
10	QPSK	25	12	21.03	22.13	21.95		
10	QPSK	25	25	22	21.84	21.66	23	1
10	QPSK	50	0	22.01	22.08	21.95		
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13		
10	16QAM	1	49	22.16	22.02	22.23	22	2
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.96	21.03	20.98		
10	16QAM	25	25	20.8	20.9	20.68		
10	16QAM	50	0	20.96	20.95	20.9	22	3
10	64QAM	1	0	20.95	21.27	21.33		
10	64QAM	1	25	21.41	21.37	21.18		
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.96	20.02	19.94		
10	64QAM	25	12	20.1	20.12	20.03	21	3
10	64QAM	25	25	19.98	19.96	19.74		
10	64QAM	50	0	19.9	20.05	19.8	Tune-up limit (dBm) MPR (dB)	
Channel Frequency (MHz)							24	0
5	QPSK	1	0	22.78	22.71	22.82		
5	QPSK	1	12	22.98	22.86	22.81	23	1
5	QPSK	1	24	22.94	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77		
5	QPSK	12	7	21.97	22.00	21.83		
5	QPSK	12	13	21.93	21.81	21.60	23	1
5	QPSK	25	0	21.80	21.96	21.82		
5	16QAM	1	0	21.83	22.05	22.02		
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.08	22	2
5	16QAM	12	0	20.91	20.80	20.74		
5	16QAM	12	7	20.86	20.89	20.92		
5	16QAM	12	13	20.80	20.80	20.67		
5	16QAM	25	0	20.95	20.93	20.79	22	3
5	64QAM	1	0	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07		
5	64QAM	1	24	20.80	20.82	20.81		
5	64QAM	12	0	19.82	19.85	19.85	21	
5	64QAM	12	7	19.95	20.04	19.98		
5	64QAM	12	13	19.88	19.92	19.69		
5	64QAM	25	0	19.81	19.88	19.69		
Channel Frequency (MHz)							24	0
3	QPSK	1	0	22.85	22.73	22.85		
3	QPSK	1	8	22.90	22.97	22.89	23	1
3	QPSK	1	14	22.88	22.78	22.60		
3	QPSK	8	0	21.77	21.80	21.67		
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	21.83	21.65	23	1
3	QPSK	15	0	21.86	22.04	21.89		
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08		
3	16QAM	1	14	22.15	21.88	22.15	22	2
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.99	20.93	20.83		
3	16QAM	8	7	20.74	20.78	20.69		
3	16QAM	15	0	20.88	20.85	20.68	21	3
3	64QAM	1	0	20.95	21.23	21.29		
3	64QAM	1	8	21.41	21.33	21.04		
3	64QAM	1	14	20.91	20.93	20.89		
3	64QAM	8	0	19.89	20.00	19.86	21	
3	64QAM	8	4	20.08	20.08	19.93		
3	64QAM	8	7	19.90	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)							24	0
1.4	QPSK	1	0	22.90	22.85	22.83		
1.4	QPSK	1	3	22.93	23.05	22.84	24	0
1.4	QPSK	1	12	22.87	22.74	22.65		
1.4	QPSK	3	0	22.85	22.75	22.75		
1.4	QPSK	3	3	22.95	22.82	22.73		
1.4	QPSK	3	3	22.82	22.84	22.74	23	1
1.4	QPSK	6	0	21.89	21.90	21.90		
1.4	QPSK	1	0	21.93	21.99	22.11		
1.4	16QAM	1	21.95	22.05	22.05			
1.4	16QAM	1	5	21.90	22.08	21.88	23	1
1.4	16QAM	3	0	21.98	22.07	21.81		
1.4	16QAM	3	21.94	21.94	21.75			
1.4	16QAM	3	3	21.88	22.08	21.85		
1.4	16QAM	6	0	20.83	20.86	20.74	22	2
1.4	64QAM	1	20.91	21.13	21.23			
1.4	64QAM	1	3	21.03	21.02	20.75		
1.4	64QAM	1	5	21.00	21.04	20.82		
1.4	64QAM	3	0	20.98	20.90	20.79	22	2
1.4	64QAM	3	1	20.91	20.92	20.88		
1.4	64QAM	3	3	21.05	20.97	20.80		
1.4	64QAM	6	0	19.96	19.95	19.65		
1.4	64QAM	3	1	20.91	20.92	20.88	21	3
1.4	64QAM	3	3	21.05	20.97	20.80		

Band 7_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 Frequency (MHz)							15.5	0			
2510									2535	2550	
20	QPSK	1	0	14.67	14.65	14.48					
20	QPSK	1	49	14.93	14.94	14.87	15.5	0			
20	QPSK	1	99	14.72	14.81	14.61					
20	QPSK	50	0	14.81	14.84	14.65					
20	QPSK	50	24	14.83	14.50	14.50	15.5	0			
20	QPSK	50	50	14.78	14.88	14.63					
20	QPSK	100	0	14.85	14.89	14.77					
20	16QAM	1	0	14.83	14.82	14.85	15.5	0			
20	16QAM	1	49	14.89	14.87	14.81					
20	16QAM	50	0	14.78	14.63	14.85					
20	16QAM	50	0	14.79	14.81	14.85	15.5	0			
20	16QAM	50	24	14.78	14.92	14.79					
20	16QAM	100	0	14.86	14.74	14.90					
20	16QAM	100	0	14.79	14.88	14.70	15.5	0			
20	64QAM	1	0	14.78	14.73	14.84					
20	64QAM	1	49	14.83	14.90	14.83					
20	64QAM	1	99	14.92	14.77	14.82	15.5	0			
20	64QAM	50	0	14.87	14.82	14.70					
20	64QAM	50	24	14.89	14.77	14.82					
20	64QAM	50	50	14.85	14.84	14.88	15.5	0			
20	64QAM	100	0	14.77	14.84	14.75					
Channel Frequency (MHz)							15.5	MPR (dB)			
2507.5									2535	2550.5	
15	QPSK	1	0	14.64	14.61	14.43					
15	QPSK	1	37	14.77	14.89	14.83	15.5	0			
15	QPSK	1	74	14.62	14.72	14.56					
15	QPSK	36	0	14.73	14.77	14.55		15.5	0		
15	QPSK	36	20	14.80	14.78	14.80					
15	QPSK	36	39	14.75	14.82	14.55					
15	QPSK	75	0	14.77	14.81	14.73	15.5	0			
15	16QAM	1	0	14.73	14.82	14.82					
15	16QAM	1	37	14.86	14.83	14.72					
15	16QAM	1	74	14.68	14.58	14.59	15.5	0			
15	16QAM	36	0	14.74	14.73	14.63					
15	16QAM	36	20	14.73	14.84	14.73					
15	16QAM	36	39	14.74	14.68	14.70	15.5	0			
15	16QAM	75	0	14.69	14.62	14.61					
15	64QAM	1	0	14.70	14.66	14.72		15.5	0		
15	64QAM	1	37	14.80	14.83	14.78					
15	64QAM	1	74	14.67	14.72	14.70		15.5	0		
15	64QAM	36	0	14.78	14.70	14.86					
15	64QAM	36	20	14.78	14.73	14.80		15.5	0		
15	64QAM	36	39	14.73	14.73	14.81					
15	64QAM	75	0	14.68	14.72	14.72	15.5	0			
Channel Frequency (MHz)									20800	21160	21400
2205							2235	2235	2255	15.5	MPR (dB)
10	QPSK	1	0	14.82	14.58	14.45					
10	QPSK	1	25	14.73	14.89	14.83	15.5	0			
10	QPSK	1	49	14.65	14.73	14.53					
10	QPSK	25	0	14.73	14.81	14.60		15.5	0		
10	QPSK	25	12	14.75	14.87	14.82					
10	QPSK	25	25	14.68	14.74	14.51					
10	QPSK	50	0	14.73	14.88	14.65	15.5	0			
10	16QAM	1	0	14.78	14.86	14.76					
10	16QAM	1	25	14.78	14.82	14.69					
10	16QAM	1	49	14.66	14.60	14.63		15.5	0		
10	16QAM	25	0	14.70	14.77	14.53					
10	16QAM	25	12	14.71	14.80	14.77					
10	16QAM	25	25	14.79	14.68	14.74	15.5	0			
10	16QAM	50	0	14.67	14.63	14.68					
10	64QAM	1	0	14.74	14.70	14.73					
10	64QAM	1	25	14.80	14.86	14.81		15.5	0		
10	64QAM	1	49	14.69	14.68	14.78					
10	64QAM	25	0	14.76	14.73	14.64		15.5	0		
10	64QAM	25	12	14.84	14.75	14.74					
10	64QAM	25	25	14.74	14.74	14.80					
10	64QAM	50	0	14.69	14.76	14.68	15.5	0			
Channel Frequency (MHz)									20775	21160	21425
2205.5							2235	2235	2252.5	15.5	MPR (dB)
5	QPSK	1	0	14.65	14.54	14.38					
5	QPSK	1	12	14.76	14.86	14.77	15.5	0			
5	QPSK	1	24	14.67	14.72	14.53					
5	QPSK	12	0	14.74	14.73	14.53		15.5	0		
5	QPSK	12	7	14.72	14.88	14.81					
5	QPSK	12	13	14.76	14.74	14.55					
5	QPSK	25	0	14.78	14.77	14.70	15.5	0			
5	16QAM	1	0	14.71	14.89	14.74					
5	16QAM	1	12	14.85	14.79	14.71					
5	16QAM	1	24	14.74	14.61	14.62		15.5	0		
5	16QAM	12	0	14.71	14.77	14.54					
5	16QAM	12	7	14.76	14.88	14.67					
5	16QAM	12	13	14.77	14.67	14.69					
5	16QAM	25	0	14.70	14.79	14.62					
5	64QAM	1	0	14.75	14.61	14.73	15.5	0			
5	64QAM	1	12	14.71	14.82	14.76					
5	64QAM	1	24	14.82	14.73	14.73					
5	64QAM	12	0	14.83	14.77	14.68		15.5	0		
5	64QAM	12	7	14.77	14.65	14.70					
5	64QAM	12	13	14.75	14.82	14.78					
5	64QAM	25	0	14.75	14.61	14.68	15.5	0			
Channel Frequency (MHz)									20775	21160	21425
2205.5							2235	2235	2252.5	15.5	MPR (dB)
5	QPSK	1	0	14.65	14.54	14.38					
5	QPSK	1	12	14.76	14.86	14.77	15.5	0			
5	QPSK	1	24	14.67	14.72	14.53					
5	QPSK	12	0	14.74	14.73	14.53		15.5	0		
5	QPSK	12	7	14.72	14.88	14.81					
5	QPSK	12	13	14.76	14.74	14.55					
5	QPSK	25	0	14.78	14.77	14.70	15.5	0			
5	16QAM	1	0	14.71	14.89	14.74					
5	16QAM	1	12	14.85	14.79	14.71					
5	16QAM	1	24	14.74	14.61	14.62		15.5	0		
5	16QAM	12	0	14.71	14.77	14.54					
5	16QAM	12	7	14.76	14.88	14.67					
5	16QAM	12	13	14.77	14.67	14.69					
5	16QAM	25	0	14.70	14.79	14.62					
5	64QAM	1	0	14.75	14.61	14.73	15.5	0			
5	64QAM	1	12	14.71	14.82	14.76					
5	64QAM	1	24	14.82	14.73	14.73					
5	64QAM	12	0	14.83	14.77	14.68		15.5	0		
5	64QAM	12	7	14.77	14.65	14.70					
5	64QAM	12	13	14.75	14.82	14.78					
5	64QAM	25	0	14.75	14.61	14.68	15.5	0			
Channel Frequency (MHz)									20775	21160	21425
2205.5							2235	2235	2252.5	15.5	MPR (dB)
5	QPSK	1	0	14.65	14.54	14.38					
5	QPSK	1	12	14.76	14.86	14.77	15.5	0			
5	QPSK	1	24	14.67	14.72	14.53					
5	QPSK	12	0	14.74	14.73	14.53		15.5	0		
5	QPSK	12	7	14.72	14.88	14.81					
5	QPSK	12	13	14.76	14.74	14.55					
5	QPSK	25	0	14.78	14.77	14.70	15.5	0			
5	16QAM	1	0	14.71	14.89	14.74					
5	16QAM	1	12	14.85	14.79	14.71					
5	16QAM	1	24	14.74	14.61	14.62		15.5	0		
5	16QAM	12	0	14.71	14.77	14.54					
5	16QAM	12	7	14.76	14.88	14.67					
5	16QAM	12	13	14.77	14.67	14.69					
5	16QAM	25	0	14.70	14.79	14.62					
5	64QAM	1	0	14.75	14.61	14.73	15.5	0			
5	64QAM	1	12	14.71	14.82	14.76					
5	64QAM	1	24	14.82	14.73	14.73					
5	64QAM	12	0	14.83	14.77	14.68		15.5	0		
5	64QAM	12	7	14.77	14.65	14.70					
5	64QAM	12	13	14.75	14.82	14.78					
5	64QAM	25	0	14.75	14.61	14.68	15.5	0			
Channel Frequency (MHz)									20775	21160	21425
2205.5							2235	2235	2252.5	15.5	MPR (dB)
5	QPSK	1	0	14.65	14.54	14.38					
5	QPSK	1	12	14.76	14.86	14.77	15.5	0			
5	QPSK	1	24	14.67	14.72	14.53					
5	QPSK	12	0	14.74	14.73	14.53		15.5	0		
5	QPSK	12	7	14.72	14.88	14.81					
5	QPSK	12	13	14.76	14.74	14.55					
5	QPSK	25	0	14.78	14.77	14.70	15.5	0			
5	16QAM	1	0	14.71	14.89	14.74					
5	16QAM	1	12	14.85	14.79	14.71					
5	16QAM	1	24	14.74	14.61	14.62		15.5	0		
5	16QAM	12	0	14.71	14.77	14.54					
5	16QAM	12	7	14.76	14.88	14.67					
5	16QAM	12	13	14.77	14.67	14.69					
5	16QAM	25	0	14.70	14.79	14.62					
5	64QAM	1	0	14.75	14.61	14.73	15.5	0			
5	64QAM	1	12	14.71	14.82	14.76					
5	64QAM	1	24	14.82	14.73	14.73					
5	64QAM	12	0	14.83	14.77	14.68		15.5	0		
5	64QAM	12	7	14.77	14.65	14.70					
5	64QAM	12	13	14.75	14.82	14.78					
5	64QAM	25	0	14.75	14.61	14.68	15.5	0			
Channel Frequency (MHz)									20775	21160	21425
2205.5							2235	2235	2252.5	15.5	MPR (dB)
5	QPSK	1	0	14.65	14.54	14.38					
5	QPSK	1	12	14.76	14.86	14.77	15.5	0			
5	QPSK	1	24	14.67	14.72	14.53					
5	QPSK	12	0	14.74	14.73	14.53		15.5	0		
5	QPSK	12	7	14.72	14.88	14.81					
5	QPSK	12	13	14.76	14.74	14.55					
5	QPSK	25	0	14.78	14.77	14.70	15.5	0			
5	16QAM	1	0	14.71	14.89	14.74					
5	16QAM	1	12	14.85	14.79	14.71					
5	16QAM	1	24	14.74	14.61	14.62		15.5	0		
5	16QAM	12	0	14.71	14.77	14.54					
5	16QAM	12	7	14.76	14.88	14.67					
5	16QAM	12	13	14.77	14.67	14.69					
5	16QAM	25	0	14.70	14.79	14.62					
5	64QAM	1	0	14.75	14.61	14.73	15.5	0			
5	64QAM	1	12	14.71	14.82	14.76					
5	64QAM	1	24	14.82	14.73	14.73					
5	64QAM										

Band 7_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 Frequency (MHz)				20850	21100	21350	22	0	
				2510	2535	2560			
20	QPSK	1	0	21.02	21.04	21.06			
20	QPSK	1	49	21.13	21.15	21.10	22	0	
20	QPSK	1	99	21.03	21.01	21.03			
20	QPSK	50	0	20.91	21.07	20.82		22	0
20	QPSK	50	24	21.11	21.13	21.10			
20	QPSK	50	50	21.09	21.04	20.97	22	0	
20	QPSK	100	0	21.07	21.12	21.08			
20	16QAM	1	0	21.01	21.04	20.99		22	0
20	16QAM	1	49	21.06	21.00	21.01			
20	16QAM	50	0	21.05	21.10	21.04		22	0
20	16QAM	50	24	21.10	21.11	21.07			
20	16QAM	50	50	21.05	21.10	21.09		22	0
20	16QAM	100	0	21.05	21.08	21.06			
20	64QAM	1	0	21.05	21.06	21.07	22	0	
20	64QAM	1	49	21.12	21.08	21.09			
20	64QAM	1	99	21.12	21.12	21.07		21	1
20	64QAM	50	0	20.27	20.28	20.19			
20	64QAM	50	24	20.25	20.46	20.22	21		
20	64QAM	50	50	20.37	20.33	20.16			
20	64QAM	100	0	20.28	20.47	20.18	21	1	
Channel Frequency (MHz)				20825	21100	21375			
				2507.5	2535	2562.5	22	0	
15	QPSK	1	0	20.92	20.95	21.04			
15	QPSK	1	37	21.03	21.06	21.02	22	0	
15	QPSK	1	74	21.00	20.90	20.97			
15	QPSK	36	0	20.85	21.00	20.72	22	0	
15	QPSK	36	20	21.05	21.06	20.87			
15	QPSK	36	39	21.04	20.96	20.93		22	0
15	QPSK	75	0	21.00	21.09	21.05			
15	16QAM	1	0	20.98	20.92	20.89	22	0	
15	16QAM	1	37	21.02	20.90	20.92			
15	16QAM	1	74	21.02	21.04	20.95		22	0
15	16QAM	36	0	21.02	20.99	20.99			
15	16QAM	36	20	21.02	21.08	21.02	22	0	
15	16QAM	36	39	21.05	21.00	20.95			
15	16QAM	75	0	20.95	21.02	21.02		21	1
15	64QAM	1	0	20.95	20.95	20.98			
15	64QAM	1	37	21.01	20.97	21.04	22	0	
15	64QAM	1	74	21.06	21.01	21.00			
15	64QAM	36	0	20.24	20.26	20.13			
15	64QAM	36	20	20.20	20.28	20.18	21	1	
15	64QAM	36	39	20.28	20.28	20.14			
15	64QAM	75	0	20.16	20.42	20.11			
Channel Frequency (MHz)				20800	21100	21400	22	0	
				2505	2535	2565			
10	QPSK	1	0	20.92	20.96	21.00			
10	QPSK	1	25	21.02	21.05	21.05	22	0	
10	QPSK	1	49	20.87	20.88	20.95			
10	QPSK	25	0	20.88	21.01	20.78	22	0	
10	QPSK	25	12	21.02	21.08	20.87			
10	QPSK	25	25	20.98	20.96	20.85		22	0
10	QPSK	50	0	21.00	20.95	20.95			
10	16QAM	1	0	20.90	20.90	20.87	22	0	
10	16QAM	1	25	20.96	20.95	20.97			
10	16QAM	1	49	21.05	21.07	20.98		22	0
10	16QAM	25	0	21.00	21.00	21.00			
10	16QAM	25	12	21.03	21.04	21.06	22	0	
10	16QAM	25	25	21.02	21.04	20.98			
10	16QAM	50	0	20.98	21.06	20.98		22	0
10	64QAM	1	0	21.00	21.00	21.04			
10	64QAM	1	25	21.03	20.99	20.99	22	0	
10	64QAM	1	49	21.08	21.03	21.02			
10	64QAM	25	0	20.19	20.25	20.12		21	1
10	64QAM	25	12	20.23	20.11	20.17			
10	64QAM	25	25	20.33	20.22	20.09	21		1
10	64QAM	50	0	20.23	20.45	20.12			
Channel Frequency (MHz)				40715	21100	21425	22	0	
				2507.5	2535	2567.5			
5	QPSK	1	0	20.90	20.99	20.97			
5	QPSK	1	12	21.05	21.08	21.02	22	0	
5	QPSK	1	24	20.94	20.99	21.00			
5	QPSK	12	0	20.80	21.04	20.74	22	0	
5	QPSK	12	7	21.05	21.05	20.88			
5	QPSK	12	13	21.07	21.02	20.88		22	0
5	QPSK	25	0	20.97	21.08	21.05			
5	16QAM	1	0	20.93	20.94	20.95	22	0	
5	16QAM	1	12	20.96	20.93	20.99			
5	16QAM	1	24	21.02	21.06	20.97		22	0
5	16QAM	12	0	21.07	21.08	21.05			
5	16QAM	12	7	20.98	20.99	21.05	22	0	
5	16QAM	12	13	21.04	21.00	20.94			
5	16QAM	25	0	20.95	21.02	20.95		22	0
5	64QAM	1	0	21.02	20.95	20.95			
5	64QAM	1	12	21.10	20.97	20.99	22	0	
5	64QAM	1	24	21.02	21.00	20.97			
5	64QAM	12	0	20.17	20.24	20.15		21	1
5	64QAM	12	7	20.23	20.39	20.14			
5	64QAM	12	13	20.28	20.28	20.11	21	1	
5	64QAM	25	0	20.20	20.44	20.13			

Band 12_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 Frequency (MHz)									
				23000	23006	23130			
				704	707.5	711			
10	QPSK	1	0	22.80	22.72	22.84	24	0	
10	QPSK	1	25	22.98	23.01	22.93			
10	QPSK	1	49	22.93	23.03	22.89			
10	QPSK	25	0	21.66	21.83	21.80	23	1	
10	QPSK	25	12	21.68	21.88	21.80			
10	QPSK	25	25	21.80	21.87	21.83			
10	QPSK	50	0	21.79	21.98	21.95	23	1	
10	16QAM	1	0	21.74	22.37	22.08			
10	16QAM	1	25	22.11	22.11	22.57			
10	16QAM	25	0	22.92	22.98	22.93	22	2	
10	16QAM	25	12	20.72	20.98	20.84			
10	16QAM	25	25	21.00	20.92	20.94			
10	16QAM	50	0	20.96	20.92	20.79	22	2	
10	16QAM	50	0	20.84	20.88	20.90			
10	64QAM	1	0	20.86	21.22	21.22			
10	64QAM	1	25	21.37	21.40	21.35	22	2	
10	64QAM	1	49	21.33	21.14	20.96			
10	64QAM	25	0	19.82	19.93	19.86			
10	64QAM	25	12	20.10	20.06	19.99	21	3	
10	64QAM	25	25	19.99	19.94	19.94			
10	64QAM	50	0	19.95	19.94	20.00			
Channel Frequency (MHz)									
				23005	23006	23135			
				701.5	707.5	713.5			
5	QPSK	1	0	22.73	22.64	22.76	24	0	
5	QPSK	1	12	22.83	22.86	22.87			
5	QPSK	1	24	22.89	22.71	22.87			
5	QPSK	12	0	21.54	21.74	21.65	23	1	
5	QPSK	12	7	21.66	21.74	21.68			
5	QPSK	12	13	21.69	21.84	21.73			
5	QPSK	25	0	21.71	21.98	21.85	23	1	
5	16QAM	1	0	21.72	22.32	21.99			
5	16QAM	1	12	21.97	22.06	22.45			
5	16QAM	1	24	22.41	22.41	22.07	22	2	
5	16QAM	12	0	20.66	20.63	20.71			
5	16QAM	12	7	20.91	20.92	20.79			
5	16QAM	12	13	20.90	20.92	20.66	22	2	
5	16QAM	25	0	20.81	20.78	20.83			
5	64QAM	1	0	20.84	21.10	21.12			
5	64QAM	1	12	21.28	21.27	21.33	22	2	
5	64QAM	1	24	21.31	21.09	20.95			
5	64QAM	12	0	19.82	19.82	19.84			
5	64QAM	12	7	19.97	19.96	19.88	21	3	
5	64QAM	12	13	19.87	19.89	19.80			
5	64QAM	25	0	19.83	19.89	19.85			
Channel Frequency (MHz)									
				23025	23095	23165			
				701.5	707.5	714.5			
3	QPSK	1	0	22.77	22.62	22.78	24	0	
3	QPSK	1	8	22.91	22.58	22.78			
3	QPSK	1	14	22.78	22.75	22.60			
3	QPSK	8	0	21.83	21.80	21.74	23	1	
3	QPSK	8	4	21.85	21.75	21.75			
3	QPSK	8	7	21.67	21.82	21.74			
3	QPSK	15	0	21.78	21.85	21.90	23	1	
3	16QAM	1	0	21.70	22.28	22.04			
3	16QAM	1	8	21.96	22.06	22.54			
3	16QAM	1	14	22.46	22.38	22.08	22	2	
3	16QAM	8	0	20.57	20.90	20.72			
3	16QAM	8	4	20.67	20.81	20.90			
3	16QAM	8	7	20.94	20.88	20.79	22	2	
3	16QAM	15	0	20.82	20.82	20.90			
3	64QAM	1	0	20.80	21.16	21.13			
3	64QAM	1	8	21.37	21.30	21.23	22	2	
3	64QAM	1	14	21.33	21.02	20.84			
3	64QAM	8	0	19.67	19.88	19.83			
3	64QAM	8	4	20.04	19.94	19.85	21	3	
3	64QAM	8	7	19.86	19.89	19.84			
3	64QAM	15	0	19.85	19.93	19.90			
Channel Frequency (MHz)									
				23017	23095	23173			
				699.7	707.5	715.3			
1.4	QPSK	1	0	22.70	22.74	22.81	24	0	
1.4	QPSK	1	3	22.80	22.81	22.85			
1.4	QPSK	1	5	22.80	22.65	22.72			
1.4	QPSK	3	0	22.79	22.82	22.71	23	1	
1.4	QPSK	3	1	22.69	22.83	22.74			
1.4	QPSK	3	3	22.81	22.82	22.70			
1.4	QPSK	6	0	21.82	21.87	21.88	23	1	
1.4	16QAM	1	0	22.27	21.89	21.92			
1.4	16QAM	1	3	22.19	22.19	21.95			
1.4	16QAM	1	5	21.94	21.97	21.87	23	1	
1.4	16QAM	3	0	21.70	21.77	21.78			
1.4	16QAM	3	1	21.83	21.93	21.91			
1.4	16QAM	3	3	21.84	21.73	21.92	22	2	
1.4	16QAM	6	0	21.07	21.05	20.99			
1.4	16QAM	1	0	21.25	21.03	20.85			
1.4	64QAM	1	3	21.24	20.89	20.94	22	2	
1.4	64QAM	1	5	20.90	21.05	21.19			
1.4	64QAM	3	0	20.95	21.23	21.24			
1.4	64QAM	3	1	21.10	20.76	21.13	21	3	
1.4	64QAM	3	3	21.07	21.12	20.99			
1.4	64QAM	6	0	19.95	19.95	19.94			

Band 12_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 Frequency (MHz)								
				23000	23006	23130		
				704	707.5	711		
10	QPSK	1	0	22.71	22.81	22.85	24	0
10	QPSK	1	25	22.68	22.92	22.83		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.85	21.64	23	1
10	QPSK	25	12	21.74	21.83	21.75		
10	QPSK	25	25	21.73	21.88	21.66		
10	QPSK	50	0	21.86	21.75	21.73	23	1
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01		
10	16QAM	25	0	22.04	22.29	22.07	22	2
10	16QAM	25	12	20.70	20.66	20.82		
10	16QAM	25	12	20.86	20.85	20.79		
10	16QAM	25	25	20.94	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.76		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91	22	2
10	64QAM	1	49	20.93	20.94	20.85		
10	64QAM	25	0	19.88	19.79	19.75		
10	64QAM	25	12	19.91	19.90	19.91	21	3
10	64QAM	25	25	19.88	19.90	19.93		
10	64QAM	50	0	19.74	19.80	19.86		
Channel Frequency (MHz)				23005	23095	23195	Tune-up limit (dBm)	MPR (dB)
				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.80	22.58	24	0
5	QPSK	1	12	22.76	22.83	22.83		
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.84	21.64	23	1
5	QPSK	12	7	21.69	21.69	21.76		
5	QPSK	12	13	21.71	21.63	21.51		
5	QPSK	25	0	21.53	21.72	21.71	23	1
5	16QAM	1	12	21.96	22.06	22.00		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	22	2
5	16QAM	12	0	20.58	20.51	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.78	20.72	22	2
5	16QAM	25	0	20.17	20.77	20.61		
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.92	20.84	20.77	22	2
5	64QAM	1	24	20.98	20.79	20.79		
5	64QAM	12	0	19.55	19.69	19.70		
5	64QAM	12	7	19.77	19.81	19.78	21	3
5	64QAM	12	13	19.79	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.71		
Channel Frequency (MHz)				23005	23095	23186	Tune-up limit (dBm)	MPR (dB)
				707.5	707.5	714.5		
3	QPSK	1	0	22.68	22.82	22.62	24	0
3	QPSK	1	8	22.85	22.82	22.85		
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	21.41	21.63	21.58	23	1
3	QPSK	8	4	21.68	21.72	21.68		
3	QPSK	8	7	21.61	21.56	21.61		
3	16QAM	15	0	21.84	21.68	21.62	23	1
3	16QAM	1	0	22.01	22.11	21.96		
3	16QAM	1	8	22.19	22.31	21.98		
3	16QAM	1	14	21.88	21.83	21.98	22	2
3	16QAM	8	0	20.55	20.64	20.82		
3	16QAM	8	4	20.84	20.84	20.69		
3	16QAM	8	7	20.83	20.71	20.69	22	2
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.95	21.05		
3	64QAM	1	8	21.00	20.80	20.80	22	2
3	64QAM	1	14	20.85	20.82	20.81		
3	64QAM	8	0	19.64	19.70	19.71		
3	64QAM	8	4	19.37	19.77	19.80	21	3
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76		
Channel Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	22.70	22.57	22.62	24	0
1.4	QPSK	1	3	22.73	22.50	22.83		
1.4	QPSK	1	6	22.68	22.73	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71	23	1
1.4	QPSK	3	1	22.82	22.82	22.74		
1.4	QPSK	3	3	22.76	22.80	22.68		
1.4	QPSK	6	0	21.70	21.81	21.64	23	1
1.4	QPSK	1	0	22.00	22.05	21.91		
1.4	16QAM	1	22.28	22.38	21.98			
1.4	16QAM	1	5	22.02	22.29	22.04	23	2
1.4	16QAM	3	0	21.99	22.03	22.02		
1.4	16QAM	3	22.03	22.11	21.85			
1.4	16QAM	3	3	21.99	22.13	22.03	22	2
1.4	64QAM	6	0	20.81	20.90	20.82		
1.4	64QAM	1	20.90	20.90	20.90			
1.4	64QAM	1	3	20.95	20.79	20.88	22	2
1.4	64QAM	1	5	20.81	20.94	20.72		
1.4	64QAM	3	20.83	20.94	21.06			
1.4	64QAM	3	1	20.86	20.99	20.96	21	3
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	6	19.68	19.68	19.71			



Band 13_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 Frequency (MHz)				23200			24	0	
				762					
10	QPSK	1	0		23.01		23	1	
10	QPSK	1	25		23.05				
10	QPSK	1	49		22.98				
10	QPSK	25	0		21.80				
10	QPSK	25	12		21.88				
10	QPSK	25	25		21.89		23	1	
10	QPSK	50	0		21.95				
10	16QAM	1	0		22.25				
10	16QAM	1	25		22.37				
10	16QAM	1	49		22.43				
10	16QAM	25	0		20.96		22	2	
10	16QAM	25	12		21.15				
10	16QAM	25	25		20.96				
10	16QAM	50	0		20.96				
10	64QAM	1	0		21.15				
10	64QAM	1	25		21.08		22	2	
10	64QAM	1	49		21.32				
10	64QAM	25	0		19.90				
10	64QAM	25	12		20.08				
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.95		21	3	
Channel Frequency (MHz)				23205	23200	23255			
				762.5	762	764.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.99	22.95	22.96	24	0	
5	QPSK	1	12	22.86	22.80	22.83			
5	QPSK	1	24	22.97	22.83	22.96			
5	QPSK	12	0	21.79	21.72	21.76			
5	QPSK	12	7	21.96	21.87	21.86			
5	QPSK	12	13	21.84	21.76	21.89	23	1	
5	QPSK	25	0	21.88	21.77	21.84			
5	16QAM	1	0	22.21	22.20	22.12			
5	16QAM	1	12	22.37	22.29	22.27			
5	16QAM	1	24	22.32	22.28	22.37			
5	16QAM	12	0	20.72	20.64	20.73	22	2	
5	16QAM	12	7	21.01	21.11	21.10			
5	16QAM	12	13	20.88	20.83	20.88			
5	16QAM	25	0	20.95	20.88	20.85			
5	64QAM	1	0	21.00	21.10	21.07			
5	64QAM	1	12	21.06	21.04	21.06	22	2	
5	64QAM	1	24	21.22	21.15	21.24			
5	64QAM	12	0	19.90	19.82	19.89			
5	64QAM	12	7	20.02	19.97	20.02			
5	64QAM	12	13	19.91	19.85	19.94			
5	64QAM	25	0	19.80	19.80	19.75	21	3	

Band 13_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 Frequency (MHz)				23200			24	0	
				762					
10	QPSK	1	0		22.83		23	1	
10	QPSK	1	25		22.88				
10	QPSK	1	49		22.85				
10	QPSK	25	0		21.67				
10	QPSK	25	12		21.67				
10	QPSK	25	25		21.74		23	1	
10	QPSK	50	0		21.76				
10	16QAM	1	0		21.98				
10	16QAM	1	25		22.01				
10	16QAM	1	49		21.95				
10	16QAM	25	0		20.75		22	2	
10	16QAM	25	12		20.79				
10	16QAM	25	25		20.68				
10	16QAM	50	0		20.78				
10	64QAM	1	0		21.06				
10	64QAM	1	25		21.16		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.85				
10	64QAM	25	12		19.98				
10	64QAM	25	25		19.73				
10	64QAM	50	0		19.76		21	3	
Channel Frequency (MHz)				23205	23200	23255			
				770.5	762	764.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	22.82	22.73	22.83	24	0	
5	QPSK	1	12	22.81	22.85	22.74			
5	QPSK	1	24	22.72	22.80	22.79			
5	QPSK	12	0	21.53	21.61	21.60			
5	QPSK	12	7	21.85	21.87	21.85			
5	QPSK	12	13	21.05	21.73	21.67	23	1	
5	QPSK	25	0	21.75	21.65	21.62			
5	16QAM	1	0	21.93	21.85	21.89			
5	16QAM	1	12	21.94	21.87	21.91			
5	16QAM	1	24	21.91	21.89	21.89			
5	16QAM	12	0	20.70	20.66	20.69	22	2	
5	16QAM	12	7	20.64	20.68	20.76			
5	16QAM	12	13	20.57	20.67	20.58			
5	16QAM	25	0	20.77	20.75	20.76			
5	64QAM	1	0	21.04	21.02	21.05			
5	64QAM	1	12	21.16	21.06	21.16	22	2	
5	64QAM	1	24	20.65	20.91	20.82			
5	64QAM	12	0	19.70	19.71	19.79			
5	64QAM	12	7	19.85	19.74	19.78			
5	64QAM	12	13	19.72	19.69	19.64			
5	64QAM	25	0	19.67	19.66	19.75	21	3	

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.73	22.85	22.86		
10	QPSK	1	25	22.81	22.95	22.94		
10	QPSK	1	49	22.86	22.86	22.93	23	1
10	QPSK	25	0	21.80	21.77	21.72		
10	QPSK	25	12	21.83	21.50	21.50		
10	QPSK	25	25	21.81	21.84	21.75	23	1
10	QPSK	50	0	21.81	21.88	21.78		
10	16QAM	1	0	22.08	22.04	22.35		
10	16QAM	1	25	22.49	22.05	22.05	23	1
10	16QAM	1	49	22.35	22.05	22.23		
10	16QAM	25	0	20.86	20.82	20.77		
10	16QAM	25	12	20.88	20.94	20.87	22	2
10	16QAM	25	25	21.00	20.84	20.84		
10	16QAM	50	0	20.81	20.83	20.83		
10	64QAM	1	0	21.19	21.18	21.14	22	2
10	64QAM	1	25	21.39	21.27	21.21		
10	64QAM	1	49	21.12	21.16	21.09		
10	64QAM	25	0	19.94	19.88	19.89	21	3
10	64QAM	25	12	20.00	19.92	19.98		
10	64QAM	25	25	19.95	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.58	22.72	22.86	24	0
5	QPSK	1	12	22.87	22.86	22.86		
5	QPSK	1	24	22.74	22.78	22.85		
5	QPSK	12	0	21.74	21.7	21.67	23	1
5	QPSK	12	7	21.75	21.78	21.8		
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.76	21.82	21.68	23	1
5	16QAM	1	0	22.04	22.01	22.28		
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14	22	2
5	16QAM	12	0	20.79	20.69	20.74		
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82	22	2
5	16QAM	25	0	20.76	20.68	20.68		
5	64QAM	1	0	21.11	21.09	21.09		
5	64QAM	1	12	21.32	21.18	21.07	22	2
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76		
5	64QAM	12	7	19.98	19.86	19.84	21	3
5	64QAM	12	13	19.8	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 17_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 Frequency (MHz)				23760	23760	23880	24	0
10	QPSK	1	0	22.69	22.72	22.82		
10	QPSK	1	25	22.81	22.88	22.82		
10	QPSK	1	49	22.72	22.70	22.75	23	1
10	QPSK	25	0	21.64	21.73	21.59		
10	QPSK	25	12	21.73	21.78	21.77		
10	QPSK	25	25	21.69	21.74	21.64	23	1
10	QPSK	50	0	21.70	21.72	21.66		
10	16QAM	1	0	21.80	22.07	22.15		
10	16QAM	1	25	21.76	22.04	21.89	23	1
10	16QAM	1	49	22.10	22.09	21.91		
10	16QAM	25	0	20.78	20.73	20.73		
10	16QAM	25	12	20.79	20.79	20.76	22	2
10	16QAM	25	25	20.79	20.72	20.71		
10	16QAM	50	0	20.81	20.78	20.71		
10	64QAM	1	0	20.92	20.73	21.10	22	2
10	64QAM	1	25	20.91	21.18	20.96		
10	64QAM	1	49	20.79	20.93	21.08		
10	64QAM	25	0	19.76	19.80	19.76	21	3
10	64QAM	25	12	19.86	19.90	19.89		
10	64QAM	25	25	19.87	19.83	19.67		
10	64QAM	50	0	19.89	19.79	19.69	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23760	23760	23880		
5	QPSK	1	0	22.64	22.82	22.80	24	0
5	QPSK	1	12	22.71	22.80	22.79		
5	QPSK	1	24	22.57	22.81	22.8		
5	QPSK	12	0	21.60	21.71	21.45	23	1
5	QPSK	12	7	21.59	21.72	21.64		
5	QPSK	12	13	21.62	21.69	21.62		
5	QPSK	25	0	21.66	21.69	21.53	23	1
5	16QAM	1	0	21.69	22.03	22.13		
5	16QAM	1	12	21.64	21.94	21.81		
5	16QAM	1	24	22.03	22.07	21.88	22	2
5	16QAM	12	0	20.66	20.70	20.68		
5	16QAM	12	7	20.75	20.74	20.72		
5	16QAM	12	13	20.85	20.69	20.68	22	2
5	16QAM	25	0	20.73	20.77	20.68		
5	64QAM	1	0	20.80	20.81	21.09		
5	64QAM	1	12	20.84	21.08	20.92	22	2
5	64QAM	1	24	20.64	20.81	21.05		
5	64QAM	12	0	19.72	19.76	19.65		
5	64QAM	12	7	19.93	19.78	19.78	21	3
5	64QAM	12	13	19.73	19.68	19.60		
5	64QAM	25	0	19.79	19.66	19.61		

Band 18_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 Frequency (MHz)				23925	23925	23925				
15	QPSK	1	0		22.97		24.5	0		
15	QPSK	1	37		23.20					
15	QPSK	1	74		23.00					
15	QPSK	36	0		22.12		23.5	1		
15	QPSK	36	20		22.31					
15	QPSK	36	39		22.25					
15	QPSK	75	0		22.23		23.5	1		
15	16QAM	1	0		22.24					
15	16QAM	1	37		22.51					
15	16QAM	1	74		22.53		22.5	2		
15	16QAM	36	0		21.17					
15	16QAM	36	20		21.27					
15	16QAM	36	39		21.16		22.5	2		
15	16QAM	75	0		21.28					
15	64QAM	1	0		21.17					
15	64QAM	1	37		21.38		22.5	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.24					
15	64QAM	36	20		20.19		21.5	3		
15	64QAM	36	39		20.25					
15	64QAM	75	0		20.16					
Channel Frequency (MHz)				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.92	22.91	22.86	24.5	0		
10	QPSK	1	25	23.17	23.09	23.16				
10	QPSK	1	49	22.93	22.89	22.87				
10	QPSK	25	0	22.00	22.05	22.00	23.5	1		
10	QPSK	25	12	22.17	22.17	22.25				
10	QPSK	25	25	22.25	22.14	22.14				
10	QPSK	50	0	22.23	22.20	22.21	23.5	1		
10	16QAM	1	0	22.09	22.13	22.23				
10	16QAM	1	25	22.42	22.47	22.40				
10	16QAM	1	49	22.49	22.53	22.44	22.5	2		
10	16QAM	25	0	21.05	21.02	21.13				
10	16QAM	25	12	21.13	21.22	21.15				
10	16QAM	25	25	21.13	21.07	21.16	22.5	2		
10	16QAM	50	0	21.18	21.19	21.16				
10	64QAM	1	0	21.02	21.11	21.08				
10	64QAM	1	25	21.34	21.29	21.36	22.5	2		
10	64QAM	1	49	20.93	20.86	20.88				
10	64QAM	25	0	20.24	20.21	20.23				
10	64QAM	25	12	20.10	20.09	20.18	21.5	3		
10	64QAM	25	25	20.23	20.17	20.14				
10	64QAM	50	0	20.08	20.09	20.08				
Channel Frequency (MHz)				23975	23925	23975	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0		22.93	22.91	24.5	0		
5	QPSK	1	12		23.16	23.17				
5	QPSK	1	24		22.98	22.87				
5	QPSK	12	0		22.01	22.01	23.5	1		
5	QPSK	12	7		22.19	22.27				
5	QPSK	12	13		22.22	22.14				
5	QPSK	25	0		22.12	22.16	23.5	1		
5	16QAM	1	0		22.17	22.09				
5	16QAM	1	12		22.39	22.42				
5	16QAM	1	24		22.50	22.52	22.5	2		
5	16QAM	12	0		21.02	21.03				
5	16QAM	12	7		21.20	21.22				
5	16QAM	12	13		21.16	21.10	22.5	2		
5	16QAM	25	0		21.29	21.17				
5	16QAM	1	12		21.32	21.23				
5	64QAM	1	24		20.95	21.00	22.5	2		
5	64QAM	12	0		20.21	20.10				
5	64QAM	12	7		20.07	20.10				
5	64QAM	12	13		20.20	20.10	21.5	3		
5	64QAM	25	0		20.05	20.09				
5	64QAM	25	0		20.05	20.12				

Band 18_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 Frequency (MHz)				23925	23925	23925				
15	QPSK	1	0		22.76		24	0		
15	QPSK	1	37		22.53					
15	QPSK	1	74		22.89					
15	QPSK	36	0		21.88		23	1		
15	QPSK	36	20		21.96					
15	QPSK	36	39		21.88					
15	QPSK	75	0		21.91		23	1		
15	16QAM	1	0		22.12					
15	16QAM	1	37		22.50					
15	16QAM	36	74		22.06		22	2		
15	16QAM	36	0		20.94					
15	16QAM	36	20		20.99					
15	16QAM	36	39		21.01		22	2		
15	16QAM	75	0		20.95					
15	64QAM	1	0		20.95					
15	64QAM	1	37		21.33		22	2		
15	64QAM	1	74		21.21					
15	64QAM	36	0		19.93					
15	64QAM	36	20		19.97		21	3		
15	64QAM	36	39		19.99					
15	64QAM	75	0		19.93					
Channel Frequency (MHz)				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.61	22.64	22.74	24	0		
10	QPSK	1	25	22.83	22.87	22.85				
10	QPSK	1	49	22.75	22.84	22.81				
10	QPSK	25	0	21.84	21.81	21.86	23	1		
10	QPSK	25	12	21.87	21.86	21.83				
10	QPSK	25	25	21.76	21.73	21.75				
10	QPSK	50	0	21.77	21.82	21.88	23	1		
10	16QAM	1	0	22.09	22.05	22.12				
10	16QAM	1	25	22.44	22.40	22.48				
10	16QAM	1	49	22.03	21.99	22.04	22	2		
10	16QAM	25	0	20.92	20.99	20.89				
10	16QAM	25	12	20.94	20.87	20.99				
10	16QAM	25	25	21.01	20.95	21.01	22	2		
10	16QAM	50	0	20.81	20.94	20.81				
10	64QAM	1	0	21.05	21.00	21.05				
10	64QAM	1	25	21.27	21.32	21.29	22	2		
10	64QAM	1	49	21.17	21.18	21.11				
10	64QAM	25	0	19.88	19.86	19.80				
10	64QAM	25	12	19.90	19.88	19.92	21	3		
10	64QAM	25	25	19.84	19.85	19.84				
10	64QAM	50	0	19.87	19.86	19.92				
Channel Frequency (MHz)				23975	23925	23975	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0		22.62	22.65	24	0		
5	QPSK	1	12		22.86	22.84				
5	QPSK	1	24		22.79	22.74				
5	QPSK	12	0		21.87	21.87	23	1		
5	QPSK	12	7		21.93	21.81				
5	QPSK	12	13		21.74	21.85				
5	QPSK	25	0		21.82	21.81	23	1		
5	16QAM	1	0		21.99	22.04				
5	16QAM	1	12		22.35	22.46				
5	16QAM	1	24		22.03	22.02	22	2		
5	16QAM	12	0		20.81	20.93				
5	16QAM	12	7		20.92	20.93				
5	16QAM	12	13		20.95	20.95	22	2		
5	16QAM	25	0		20.92	20.85				
5	16QAM	1	12		20.92	20.85				
5	64QAM	1	24		21.23	21.21	22	2		
5	64QAM	12	0		21.16	21.13				
5	64QAM	12	7		19.85	19.90				
5	64QAM	12	13		19.82	19.87	21	3		
5	64QAM	25	0		19.81	19.87				
5	64QAM	25	0		19.83	19.87				

Band 19_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 Frequency (MHz)				24075	837.5				
15	QPSK	1	0		23.06		24.5	0	
15	QPSK	1	37		23.20				
15	QPSK	1	74		23.05				
15	QPSK	36	0		22.19		23.5	1	
15	QPSK	36	20		22.24				
15	QPSK	36	39		22.06				
15	QPSK	75	0		22.16		23.5	1	
15	16QAM	1	0		22.31				
15	16QAM	1	37		22.37				
15	16QAM	1	74		22.45		22.5	2	
15	16QAM	36	0		21.09				
15	16QAM	36	20		21.26				
15	16QAM	36	39		21.20		22.5	2	
15	16QAM	75	0		21.19				
15	64QAM	1	0		21.50				
15	64QAM	1	37		21.07		22.5	2	
15	64QAM	1	74		21.15				
15	64QAM	36	0		20.23				
15	64QAM	36	20		20.42		21.5	3	
15	64QAM	36	39		20.14				
15	64QAM	75	0		20.18				
Channel Frequency (MHz)				24050	837.5	24100	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.02	22.97	23.06	24.5	0	
10	QPSK	1	25	23.15	23.18	23.12			
10	QPSK	1	49	22.98	22.91	23.04			
10	QPSK	25	0	22.08	22.16	22.17	23.5	1	
10	QPSK	25	12	22.11	22.24	22.14			
10	QPSK	25	25	21.99	21.92	21.96			
10	QPSK	50	0	22.07	22.13	22.12	23.5	1	
10	16QAM	1	0	22.26	22.23	22.18			
10	16QAM	1	25	22.35	22.36	22.29			
10	16QAM	1	49	22.30	22.32	22.31	22.5	2	
10	16QAM	25	0	21.03	21.08	21.03			
10	16QAM	25	12	21.12	21.26	21.24			
10	16QAM	25	25	21.07	21.08	21.06	22.5	2	
10	16QAM	50	0	21.14	21.04	21.08			
10	64QAM	1	0	21.35	21.45	21.49			
10	64QAM	1	25	20.98	20.99	20.99	22.5	2	
10	64QAM	1	49	21.06	21.05	21.07			
10	64QAM	25	0	20.08	20.12	20.11			
10	64QAM	25	12	20.26	20.18	20.31	21.5	3	
10	64QAM	25	25	20.12	19.99	20.14			
10	64QAM	50	0	20.17	20.07	20.03			
Channel Frequency (MHz)				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.94	22.94	22.95	24.5	0	
5	QPSK	1	12	23.14	23.14	23.06			
5	QPSK	1	24	22.96	23.01	22.94			
5	QPSK	12	0	22.04	22.05	22.06	23.5	1	
5	QPSK	12	7	22.23	22.24	22.24			
5	QPSK	12	13	22.04	21.83	21.94			
5	QPSK	25	0	22.07	22.03	22.13	23.5	1	
5	16QAM	1	0	22.27	22.20	22.28			
5	16QAM	1	12	22.23	22.36	22.27			
5	16QAM	1	24	22.41	22.34	22.35	22.5	2	
5	16QAM	12	7	20.96	21.04	20.97			
5	16QAM	12	7	21.14	21.18	21.21			
5	16QAM	12	13	21.11	21.12	21.10	22.5	2	
5	16QAM	25	0	21.04	21.08	21.16			
5	64QAM	1	0	21.43	21.35	21.46			
5	64QAM	1	12	21.00	21.00	21.05	22.5	2	
5	64QAM	1	24	21.05	21.13	21.05			
5	64QAM	12	0	20.18	20.15	20.12			
5	64QAM	12	7	20.23	20.20	20.19	21.5	3	
5	64QAM	12	13	20.06	20.09	20.01			
5	64QAM	25	0	20.10	20.16	20.03			

Band 19_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 Frequency (MHz)				24025	24075	24100	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0		22.75		24	0	
15	QPSK	1	37		22.32				
15	QPSK	1	74		22.73				
15	QPSK	36	0		21.90		23	1	
15	QPSK	36	20		21.97				
15	QPSK	36	39		21.95				
15	QPSK	75	0		21.92		23	1	
15	16QAM	1	0		22.03				
15	16QAM	1	37		22.10				
15	16QAM	1	74		21.80		22	2	
15	16QAM	36	0		20.91				
15	16QAM	36	20		21.03				
15	16QAM	36	39		20.87		22	2	
15	16QAM	75	0		20.99				
15	64QAM	1	0		20.96				
15	64QAM	1	37		20.89		22	2	
15	64QAM	1	74		21.01				
15	64QAM	36	0		20.05				
15	64QAM	36	20		20.00		21	3	
15	64QAM	36	39		19.89				
15	64QAM	75	0		20.00				
Channel Frequency (MHz)				24050	24075	24100	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.74	22.74	22.72	24	0	
10	QPSK	1	25	22.78	22.81	22.81			
10	QPSK	1	49	22.67	22.61	22.73			
10	QPSK	25	0	21.86	21.89	21.75	23	1	
10	QPSK	25	12	21.95	21.88	21.92			
10	QPSK	25	25	21.81	21.91	21.95			
10	QPSK	50	0	21.81	21.86	21.84	23	1	
10	16QAM	1	0	21.95	22.00	21.98			
10	16QAM	1	25	21.99	22.03	22.09			
10	16QAM	1	49	21.65	21.69	21.70	22	2	
10	16QAM	25	0	20.84	20.79	20.81			
10	16QAM	25	12	20.89	20.98	21.02			
10	16QAM	25	25	20.83	20.78	20.84	22	2	
10	16QAM	50	0	20.76	20.86	20.86			
10	64QAM	1	0	20.84	20.88	20.94			
10	64QAM	1	25	20.89	20.76	20.78	22	2	
10	64QAM	1	49	20.65	21.01	20.86			
10	64QAM	25	0	20.02	20.04	19.97			
10	64QAM	25	12	19.92	19.89	19.90	21	3	
10	64QAM	25	25	19.84	19.77	19.85			
10	64QAM	50	0	19.85	20.00	19.94			
Channel Frequency (MHz)				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.63	22.68	22.68	24	0	
5	QPSK	1	12	22.87	22.85	22.84			
5	QPSK	1	24	22.65	22.63	22.58			
5	QPSK	12	0	21.81	21.87	21.89	23	1	
5	QPSK	12	7	21.93	21.94	21.90			
5	QPSK	12	13	21.80	21.81	21.89			
5	QPSK	25	0	21.82	21.85	21.87	23	1	
5	16QAM	1	0	22.02	22.03	22.02			
5	16QAM	1	12	21.98	22.06	21.95			
5	16QAM	1	24	21.63	21.59	21.57	22	2	
5	16QAM	12	0	20.87	20.76	20.85			
5	16QAM	12	7	20.95	21.00	20.94			
5	16QAM	12	13	20.72	20.82	20.73	22	2	
5	16QAM	25	0	20.78	20.81	20.78			
5	16QAM	1	0	20.82	20.84	20.84			
5	64QAM	1	12	20.84	20.76	20.86	22	2	
5	64QAM	1	24	20.90	20.95	20.97			
5	64QAM	12	0	20.01	19.94	19.94			
5	64QAM	12	7	19.91	19.98	20.00	21	3	
5	64QAM	12	13	19.81	19.81	19.75			
5	64QAM	25	0	19.87	19.85	19.97			

Band 26_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 Frequency (MHz)				26705	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24.5	0
15	QPSK	1	37	23.26	23.41	23.49		
15	QPSK	1	74	23.29	23.40	23.38		
15	QPSK	36	0	22.34	22.47	22.46		
15	QPSK	36	20	22.38	22.42	22.45	23.5	1
15	QPSK	36	36	22.39	22.48	22.38		
15	QPSK	75	0	22.60	22.65	22.62		
15	16QAM	1	0	23.01	23.01	22.98		
15	16QAM	1	37	22.89	23.03	23.01	23.5	1
15	16QAM	1	74	22.81	22.83	22.86		
15	16QAM	36	0	21.37	21.47	21.44		
15	16QAM	36	20	21.49	21.63	21.58		
15	16QAM	36	36	21.51	21.52	21.41	22.5	2
15	16QAM	75	0	21.39	21.45	21.31		
15	64QAM	1	0	21.84	21.91	21.86		
15	64QAM	1	37	21.92	21.97	21.85		
15	64QAM	1	74	21.70	21.74	21.73	22.5	2
15	64QAM	36	0	20.42	20.55	20.44		
15	64QAM	36	20	20.45	20.58	20.51		
15	64QAM	36	36	20.43	20.51	20.45		
15	64QAM	75	0	20.31	20.45	20.30	21.5	3
Channel Frequency (MHz)				26740	26695	26695		
10	QPSK	1	0	819	831.5	844	24.5	0
10	QPSK	1	24	23.15	23.32	23.38		
10	QPSK	1	49	23.16	23.38	23.38		
10	QPSK	25	0	22.23	22.47	22.38		
10	QPSK	25	12	22.68	22.7	22.67	23.5	1
10	QPSK	25	25	22.39	22.37	22.25		
10	QPSK	50	0	22.57	22.57	22.5		
10	16QAM	1	23	22.97	22.92	22.92		
10	16QAM	1	25	22.8	22.9	22.87	23.5	1
10	16QAM	1	49	22.69	22.81	22.77		
10	16QAM	36	0	21.27	21.45	21.42		
10	16QAM	25	12	21.48	21.51	21.56		
10	16QAM	25	25	21.4	21.42	21.35	22.5	2
10	16QAM	50	0	21.27	21.38	21.35		
10	64QAM	1	0	21.81	21.77	21.72		
10	64QAM	1	25	21.88	21.82	21.72		
10	64QAM	1	49	21.71	21.63	21.62	21.5	3
10	64QAM	25	0	20.4	20.45	20.33		
10	64QAM	25	12	20.35	20.48	20.4		
10	64QAM	25	25	20.43	20.51	20.37		
10	64QAM	50	0	20.16	20.39	20.18	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26715	26685	267015		
5	QPSK	1	0	815.5	831.5	846.5	24.5	0
5	QPSK	1	12	23.54	23.69	23.51		
5	QPSK	1	24	23.18	23.34	23.33		
5	QPSK	12	0	22.34	22.47	22.38		
5	QPSK	12	7	22.81	22.83	22.57	23.5	1
5	QPSK	12	13	22.29	22.44	22.31		
5	QPSK	25	0	22.55	22.61	22.49		
5	16QAM	1	0	22.87	22.83	22.84		
5	16QAM	1	12	22.83	22.89	22.87	23.5	1
5	16QAM	1	24	22.74	22.83	22.77		
5	16QAM	12	0	21.29	21.35	21.33		
5	16QAM	12	7	21.38	21.5	21.32		
5	16QAM	12	13	21.48	21.47	21.28	22.5	2
5	16QAM	25	0	21.35	21.43	21.17		
5	16QAM	1	21.8	21.79	21.8	21.79		
5	64QAM	1	12	21.91	21.87	21.72		
5	64QAM	1	24	21.87	21.68	21.68	22.5	2
5	64QAM	12	0	20.34	20.51	20.36		
5	64QAM	12	7	20.41	20.48	20.45		
5	64QAM	12	13	20.29	20.43	20.35		
5	64QAM	25	0	20.31	20.35	20.25	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26705	26685	27025		
3	QPSK	1	0	815.5	831.5	842.2	24.5	0
3	QPSK	1	8	23.44	23.61	23.59		
3	QPSK	1	14	23.21	23.29	23.28		
3	QPSK	8	0	22.28	22.36	22.4		
3	QPSK	8	4	22.55	22.72	22.45	23.5	1
3	QPSK	8	7	22.3	22.44	22.23		
3	QPSK	15	0	22.5	22.55	22.61		
3	16QAM	1	0	22.93	22.88	22.98		
3	16QAM	1	8	22.86	22.88	22.95	23.5	1
3	16QAM	1	14	22.79	22.8	22.79		
3	16QAM	8	0	21.24	21.46	21.38		
3	16QAM	8	4	21.42	21.51	21.48		
3	16QAM	8	7	21.42	21.45	21.36	22.5	2
3	16QAM	15	0	21.26	21.38	21.27		
3	64QAM	1	21.7	21.75	21.75	21.75		
3	64QAM	1	8	21.83	21.93	21.76		
3	64QAM	1	14	21.68	21.64	21.58	22.5	2
3	64QAM	8	0	20.34	20.46	20.44		
3	64QAM	8	4	20.37	20.57	20.48		
3	64QAM	8	7	20.42	20.38	20.27		
3	64QAM	15	0	20.17	20.4	20.18	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26697	26685	27033		
1.4	QPSK	1	0	814.7	831.5	843	24.5	0
1.4	QPSK	1	3	23.14	23.34	23.23		
1.4	QPSK	1	3	23.49	23.65	23.59		
1.4	QPSK	12	0	23.28	23.29	23.31		
1.4	QPSK	3	0	23.21	23.25	23.23	23.5	1
1.4	QPSK	3	1	23.24	23.27	23.34		
1.4	QPSK	3	3	23.23	23.37	23.24		
1.4	QPSK	6	0	22.48	22.57	22.55		
1.4	16QAM	1	0	22.97	22.96	22.90	23.5	1
1.4	16QAM	1	3	22.98	22.88	22.90		
1.4	16QAM	1	5	22.71	22.81	22.81		
1.4	16QAM	3	0	22.62	22.65	22.48		
1.4	16QAM	3	1	22.61	22.69	22.51	22.5	2
1.4	16QAM	3	3	22.57	22.60	22.57		
1.4	16QAM	6	0	21.33	21.42	21.31		
1.4	64QAM	1	21.76	21.67	21.74	21.74		
1.4	64QAM	1	3	21.89	21.85	21.77	22.5	2
1.4	64QAM	1	5	21.69	21.71	21.72		
1.4	64QAM	3	0	21.41	21.46	21.46		
1.4	64QAM	3	1	21.44	21.47	21.31		
1.4	64QAM	3	3	21.45	21.48	21.28	21.5	3
1.4	64QAM	6	0	20.20	20.36	20.16		

Band 26_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 Frequency (MHz)				26665	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24	0
15	QPSK	1	37	22.84	22.89	22.89		
15	QPSK	1	74	22.91	22.91	22.89		
15	QPSK	36	0	21.83	21.92	21.83		
15	QPSK	36	20	22.04	22.05	21.97	23	1
15	QPSK	36	36	21.95	22.01	21.88		
15	QPSK	75	0	21.97	22.02	21.94		
15	16QAM	1	0	22.25	22.29	22.21		
15	16QAM	1	37	22.38	22.48	22.39	23	1
15	16QAM	1	74	22.21	22.27	22.20		
15	16QAM	36	0	20.97	20.99	20.91		
15	16QAM	36	20	21.06	21.08	21.08		
15	16QAM	36	36	20.91	20.97	20.89	22	2
15	16QAM	75	0	20.97	21.03	20.89		
15	64QAM	1	0	21.10	21.05	21.06		
15	64QAM	1	37	21.40	21.46	21.39		
15	64QAM	1	74	21.08	21.05	21.04	22	2
15	64QAM	36	0	19.96	20.06	20.06		
15	64QAM	36	20	19.99	20.09	19.95		
15	64QAM	36	36	19.86	19.97	19.84		
15	64QAM	75	0	19.86	19.94	19.79	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26705	26685	26695		
10	QPSK	1	0	819	831.5	844	24	0
10	QPSK	1	25	22.81	22.79	22.78		
10	QPSK	1	49	22.82	22.76	22.85		
10	QPSK	25	0	21.77	21.85	21.75		
10	QPSK	25	12	22.01	21.96	21.92	23	1
10	QPSK	25	25	21.95	21.97	21.78		
10	QPSK	50	0	21.85	21.93	21.88		
10	16QAM	1	23	22.29	22.21	22.18		
10	16QAM	1	25	22.36	22.45	22.38	23	1
10	16QAM	1	49	22.21	22.27	22.20		
10	16QAM	25	0	20.88	20.88	20.81		
10	16QAM	25	12	20.97	20.99	20.97		
10	16QAM	25	25	20.79	20.83	20.85	22	2
10	16QAM	50	0	20.88	20.95	20.98		
10	64QAM	1	0	21.01	20.92	20.94		
10	64QAM	1	25	21.38	21.43	21.24		
10	64QAM	1	49	21.06	20.91	20.91	22	2
10	64QAM	25	0	19.85	19.95	19.91		
10	64QAM	25	12	19.86	19.94	19.88		
10	64QAM	25	25	19.74	19.80	19.70		
10	64QAM	50	0	19.86	19.79	19.66	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26705	26685	26705		
5	QPSK	1	0	816.5	831.5	846.5	24	0
5	QPSK	1	12	22.81	22.86	22.85		
5	QPSK	1	24	22.95	23.02	22.89		
5	QPSK	12	0	21.76	21.77	21.82		
5	QPSK	12	7	22.04	21.99	21.90	23	1
5	QPSK	12	13	21.80	21.90	21.78		
5	QPSK	25	0	21.84	21.86	21.88		
5	16QAM	1	22	22.16	22.19	22.14		
5	16QAM	1	12	22.30	22.34	22.24	23	1
5	16QAM	1	24	22.18	22.23	22.11		
5	16QAM	12	0	20.92	20.95	20.84		
5	16QAM	12	7	21.00	20.94	20.98		
5	16QAM	12	13	20.91	20.82	20.76	22	2
5	16QAM	25	0	20.97	20.95	20.88		
5	64QAM	1	0	21.09	21.07	21.05		
5	64QAM	1	12	21.40	21.32	21.27		
5	64QAM	1	24	21.00	21.02	21.05	22	2
5	64QAM	12	0	19.93	19.94	19.94		
5	64QAM	12	7	19.96	19.95	19.91		
5	64QAM	12	13	19.86	19.86	19.70		
5	64QAM	25	0	19.84	19.83	19.76	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26705	26685	26705		
3	QPSK	1	0	816.5	831.5	847.5	24	0
3	QPSK	1	8	22.75	22.85	22.89		
3	QPSK	1	14	22.87	22.87	22.87		
3	QPSK	8	0	21.81	21.82	21.83		
3	QPSK	8	4	21.96	21.84	21.89	23	1
3	QPSK	8	7	21.87	21.81	21.84		
3	QPSK	15	0	21.92	21.96	21.81		
3	16QAM	1	22	22.14	22.17	22.12		
3	16QAM	1	14	22.28	22.43	22.24	23	1
3	16QAM	8	0	20.93	20.92	20.89		
3	16QAM	8	4	20.93	21.08	21.07		
3	16QAM	8	7	20.90	20.90	20.88		
3	16QAM	15	0	20.85	20.94	20.93	22	2
3	64QAM	1	0	20.96	21.04	21.01		
3	64QAM	1	8	21.33	21.43	21.24		
3	64QAM	1	14	21.00	21.00	20.95		
3	64QAM	8	0	19.82	19.97	20.02	21	3
3	64QAM	8	4	19.92	19.97	19.90		
3	64QAM	8	7	19.86	19.84	19.70		
3	64QAM	15	0	19.85	19.87	19.71		
Channel Frequency (MHz)				26697	26685	27003	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	814.7	831.5	848.3	24	0
1.4	QPSK	1	3	23.00	23.02	22.97		
1.4	QPSK	1	5	22.91	22.78	22.89		
1.4	QPSK	3	0	22.82	22.86	22.88		
1.4	QPSK	3	1	22.80	22.88	22.77	23	1
1.4	QPSK	3	3	22.83	22.80	22.85		
1.4	QPSK	6	0	21.84	21.88	21.94		
1.4	16QAM	1	0	22.24	22.24	22.14		
1.4	16QAM	1	3	22.37	22.46	22.24	23	1
1.4	16QAM	1	5	22.19	22.25	22.11		
1.4	16QAM	3	0	22.12	22.27	22.14		
1.4	16QAM	3	1	22.18	22.18	22.18		
1.4	16QAM	3	3	22.13	22.22	22.05	22	2
1.4	16QAM	6	0	20.84	20.96	20.90		
1.4	64QAM	1	0	21.02	20.99	20.96		
1.4	64QAM	1	3	21.34	21.33	21.31		
1.4	64QAM	1	5	20.99	21.03	21.04	22	2
1.4	64QAM	3	0	20.92	20.95	21.01		
1.4	64QAM	3	1	20.98	20.95	20.95		
1.4	64QAM	3	3	21.03	20.94	20.96		
1.4	64QAM	6	0	19.85	19.90	19.87	21	3

Band 66_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										
Frequency (MHz)										
20	QPSK	1	0	17.02	17.03	17.01	18	0		
20	QPSK	1	49	17.14	17.17	17.15				
20	QPSK	1	99	16.87	16.87	16.81				
20	QPSK	50	0	17.11	17.12	17.05				
20	QPSK	50	24	17.13	17.15	17.14	18	0		
20	QPSK	50	50	17.12	17.12	17.13				
20	QPSK	100	0	17.08	17.13	17.12				
20	16QAM	1	0	17.06	17.13	17.09				
20	16QAM	1	49	17.07	17.10	17.08	18	0		
20	16QAM	1	99	17.05	17.12	17.12				
20	16QAM	50	0	17.10	17.15	17.13				
20	16QAM	50	24	17.12	17.14	17.11				
20	16QAM	50	50	17.10	17.15	17.11	18	0		
20	16QAM	100	0	17.08	17.12	17.10				
20	64QAM	1	0	17.10	17.11	17.14				
20	64QAM	1	49	17.08	17.14	17.14				
20	64QAM	1	99	17.05	17.11	17.13	18	0		
20	64QAM	50	0	17.10	17.07	17.14				
20	64QAM	50	24	17.12	17.14	17.13				
20	64QAM	50	50	17.11	17.11	17.13				
20	64QAM	100	0	17.12	17.10	17.08	18	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.03	17.03	17.02	18	0		
15	QPSK	1	37	17.02	17.05	17.11				
15	QPSK	1	74	16.84	16.85	16.76				
15	QPSK	36	0	17.06	17.09	17.03				
15	QPSK	36	20	17.11	17.04	17.12	18	0		
15	QPSK	36	39	17.03	17.08	17.01				
15	QPSK	75	0	16.99	17.05	17.01				
15	16QAM	1	0	17.04	17.04	16.99				
15	16QAM	1	37	16.98	17.00	16.96	18	0		
15	16QAM	1	74	16.99	17.07	17.10				
15	16QAM	36	0	17.06	17.04	17.05				
15	16QAM	36	20	17.00	17.10	17.09				
15	16QAM	36	39	17.01	17.12	17.07	18	0		
15	16QAM	75	0	17.00	17.10	17.02				
15	64QAM	1	0	17.03	17.07	17.07				
15	64QAM	1	37	16.98	17.07	17.07				
15	64QAM	1	74	16.95	17.04	17.01	18	0		
15	64QAM	36	0	17.01	17.03	17.06				
15	64QAM	36	20	17.00	17.08	17.07				
15	64QAM	36	39	17.09	17.03	17.01				
15	64QAM	75	0	17.06	17.01	16.99	18	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.01	17.04	16.79	18	0		
10	QPSK	1	25	17.02	17.10	17.05				
10	QPSK	1	49	16.83	16.85	16.78				
10	QPSK	25	0	17.01	17.09	16.99				
10	QPSK	25	12	17.03	17.12	17.05	18	0		
10	QPSK	25	25	17.04	17.08	17.04				
10	QPSK	50	0	17.00	17.06	17.06				
10	16QAM	1	0	16.99	17.06	17.02				
10	16QAM	1	25	17.02	17.07	16.96	18	0		
10	16QAM	1	49	16.94	17.09	17.10				
10	16QAM	25	0	17.00	17.04	17.06				
10	16QAM	25	12	17.05	17.05	17.04				
10	16QAM	25	25	17.07	17.04	17.02	18	0		
10	16QAM	50	0	16.96	17.01	17.03				
10	64QAM	1	0	17.02	17.09	17.10				
10	64QAM	1	25	16.96	17.05	17.06				
10	64QAM	1	49	16.95	17.09	17.02	18	0		
10	64QAM	25	0	16.98	17.00	17.06				
10	64QAM	25	12	17.03	17.07	17.03				
10	64QAM	25	25	17.02	17.01	17.04				
10	64QAM	50	0	17.03	17.03	17.02	18	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.01	17.08	16.84			18	0
5	QPSK	1	12	17.11	17.12	17.12				
5	QPSK	1	24	16.85	16.86	16.74				
5	QPSK	12	0	17.02	17.08	16.98				
5	QPSK	12	7	17.02	17.12	17.08	18	0		
5	QPSK	12	13	17.03	17.04	17.05				
5	QPSK	25	0	16.99	17.03	17.10				
5	16QAM	1	0	17.03	17.05	17.01				
5	16QAM	1	12	17.01	16.99	16.99	18	0		
5	16QAM	1	24	16.99	17.09	17.01				
5	16QAM	12	0	17.01	17.13	17.10				
5	16QAM	12	7	17.05	17.05	17.00				
5	16QAM	12	13	17.05	17.08	17.05	18	0		
5	16QAM	25	0	17.05	17.10	17.02				
5	64QAM	1	0	17.05	17.04	17.02				
5	64QAM	1	12	17.05	17.02	17.03				
5	64QAM	1	24	17.01	17.04	17.11	18	0		
5	64QAM	12	0	17.06	17.02	17.07				
5	64QAM	12	7	16.97	17.04	17.10				
5	64QAM	12	13	17.05	17.05	17.01				
5	64QAM	25	0	17.01	17.06	17.04	18	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.01	17.07	16.83	18	0		
3	QPSK	1	8	17.02	17.09	17.13				
3	QPSK	1	14	16.76	16.83	16.73				
3	QPSK	8	0	17.04	17.00	16.97				
3	QPSK	8	4	17.06	17.10	17.08	18	0		
3	QPSK	8	7	17.00	17.02	17.04				
3	QPSK	15	0	16.97	17.02	17.05				
3	16QAM	1	0	17.00	17.07	17.01				
3	16QAM	1	8	16.97	17.03	17.06	18	0		
3	16QAM	1	14	16.97	17.10	17.06				
3	16QAM	8	0	17.08	17.05	17.07				
3	16QAM	8	4	17.06	17.06	17.00				
3	16QAM	8	7	17.07	17.06	17.07	18	0		
3	16QAM	15	0	17.02	17.08	17.00				
3	64QAM	1	0	17.06	17.06	17.03				
3	64QAM	1	8	17.06	17.06	17.05				
3	64QAM	1	14	16.96	17.01	17.02	18	0		
3	64QAM	8	0	17.03	17.01	17.12				
3	64QAM	8	4	16.97	17.02	17.03				
3	64QAM	8	7	17.04	17.04	17.01				
3	64QAM	15	0	17.00	17.03	17.03	18	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.04	17.08	16.86	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03				
1.4	QPSK	3	3	17.05	17.03	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04				
1.4	16QAM	1	3	17.03	16.99	16.96	18	0		
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08				
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03	18	0		
1.4	16QAM	6	0	17.02	17.10	17.01				
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	3	0	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11				
1.4	64QAM	6	0	17.02	17.04	16.97	18	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.07	17.07	16.85	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04	18	0		
1.4	16QAM	1	3	17.03	16.99	16.96				
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08	18	0		
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03				
1.4	16QAM	6	0	17.02	17.10	17.01	18	0		
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	3	0	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11	18	0		
1.4	64QAM	6	0	17.02	17.04	16.97				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.07	17.07	16.85	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04	18	0		
1.4	16QAM	1	3	17.03	16.99	16.96				
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08	18	0		
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03				
1.4	16QAM	6	0	17.02	17.10	17.01	18	0		
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	3	0	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11	18	0		
1.4	64QAM	6	0	17.02	17.04	16.97				

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 Frequency (MHz)											
				37850	38000	38150					
				2575.5	2595	2610					
20	QPSK	1	0	18.00	18.14	18.14	19		0		
20	QPSK	1	45	18.33	18.40	18.35					
20	QPSK	1	89	18.03	18.07	18.18					
20	QPSK	50	0	18.29	18.13	18.26	19		0		
20	QPSK	50	24	18.34	18.38	18.33					
20	QPSK	50	50	18.32	18.20	18.32					
20	QPSK	100	0	18.15	18.35	18.30	19		0		
20	16QAM	1	0	18.17	18.27	18.29					
20	16QAM	1	45	18.34	18.32	18.28					
20	16QAM	1	89	18.32	18.29	18.34	19		0		
20	16QAM	50	0	18.16	18.21	18.31					
20	16QAM	50	24	18.28	18.27	18.29					
20	16QAM	50	50	18.30	18.33	18.34	19		0		
20	16QAM	100	0	18.18	18.31	18.31					
20	16QAM	100	0	17.98	18.14	18.28					
20	64QAM	1	45	18.28	18.34	18.25	19		0		
20	64QAM	1	89	18.25	18.31	18.35					
20	64QAM	50	0	18.13	18.29	18.31					
20	64QAM	50	24	18.27	18.29	18.26	19		0		
20	64QAM	50	50	18.21	18.35	18.28					
20	64QAM	100	0	18.18	18.27	18.22					
Channel Frequency (MHz)											
				37825	38000	38175	Tune-up limit (dBm) MPR (dB)				
				2577.5	2595	2617.5					
15	QPSK	1	0	17.97	18.12	18.14	19		0		
15	QPSK	1	37	18.21	18.32	18.28					
15	QPSK	1	74	17.96	18.00	18.11					
15	QPSK	36	0	18.27	18.10	18.20	19		0		
15	QPSK	36	20	18.22	18.30	18.26					
15	QPSK	36	36	18.30	18.26	18.30					
15	QPSK	75	0	18.10	18.30	18.21	19		0		
15	16QAM	1	0	18.07	18.15	18.24					
15	16QAM	1	37	18.23	18.25	18.20					
15	16QAM	1	74	17.97	18.18	18.22	19		0		
15	16QAM	36	0	18.09	18.13	18.27					
15	16QAM	36	20	18.15	18.24	18.20					
15	16QAM	36	36	18.21	18.24	18.31	19		0		
15	16QAM	75	0	18.12	18.27	18.23					
15	16QAM	75	0	17.96	18.02	18.18					
15	64QAM	1	37	18.20	18.22	18.18	19		0		
15	64QAM	1	74	18.21	18.19	18.25					
15	64QAM	36	0	18.06	18.25	18.29					
15	64QAM	36	20	18.25	18.17	18.25	19		0		
15	64QAM	36	36	18.13	18.33	18.24					
15	64QAM	75	0	18.09	18.25	18.13					
Channel Frequency (MHz)											
				37850	38000	38200	Tune-up limit (dBm) MPR (dB)				
				2575	2595	2615					
10	QPSK	1	0	17.92	18.11	18.00	19		0		
10	QPSK	1	25	18.31	18.34	18.32					
10	QPSK	1	49	17.97	18.04	18.15					
10	QPSK	25	0	18.24	18.02	18.18	19		0		
10	QPSK	25	12	18.30	18.34	18.29					
10	QPSK	25	25	18.23	18.24	18.23					
10	QPSK	50	0	18.12	18.23	18.18	19		0		
10	16QAM	1	0	18.08	18.19	18.22					
10	16QAM	1	25	18.27	18.23	18.23					
10	16QAM	1	49	18.28	18.17	18.22	19		0		
10	16QAM	25	0	18.04	18.18	18.27					
10	16QAM	25	12	18.15	18.22	18.25					
10	16QAM	25	25	18.23	18.24	18.29	19		0		
10	16QAM	50	0	18.13	18.25	18.22					
10	16QAM	1	0	17.89	18.11	18.22					
10	64QAM	1	25	18.24	18.23	18.21	19		0		
10	64QAM	1	49	18.20	18.24	18.26					
10	64QAM	25	0	18.01	18.18	18.29					
10	64QAM	25	12	18.18	18.18	18.25	19		0		
10	64QAM	25	25	18.15	18.26	18.25					
10	64QAM	50	0	18.15	18.26	18.25					
10	64QAM	50	0	18.15	18.19	18.12					
Channel Frequency (MHz)											
				3777.5	38000	38225	Tune-up limit (dBm) MPR (dB)				
				2572.5	2595	2617.5					
5	QPSK	1	0	17.95	18.07	18.12	19		0		
5	QPSK	1	12	18.24	18.38	18.30					
5	QPSK	1	24	17.96	18.02	18.13					
5	QPSK	12	0	18.19	18.01	18.14	19		0		
5	QPSK	12	7	18.23	18.30	18.25					
5	QPSK	12	13	18.29	18.20	18.20					
5	QPSK	25	0	18.09	18.29	18.20	19		0		
5	16QAM	1	0	18.10	18.21	18.18					
5	16QAM	1	12	18.30	18.28	18.23					
5	16QAM	1	24	18.30	18.23	18.27	19		0		
5	16QAM	12	0	18.09	18.19	18.23					
5	16QAM	12	7	18.18	18.20	18.22					
5	16QAM	12	13	18.19	18.20	18.29	19		0		
5	16QAM	25	0	18.14	18.24	18.27					
5	64QAM	1	0	17.96	18.06	18.22					
5	64QAM	1	12	18.20	18.23	18.21	19		0		
5	64QAM	1	24	18.15	18.28	18.27					
5	64QAM	12	0	18.03	18.21	18.26					
5	64QAM	12	7	18.20	18.28	18.34					
5	64QAM	12	13	18.09	18.33	18.22					
5	64QAM	25	0	18.10	18.21	18.17					

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 Frequency (MHz)									
				37850	38000	38150			
20	QPSK	1	0	23.10	23.30	23.10	24	0	
20	QPSK	1	45	23.43	23.54	23.50			
20	QPSK	1	89	23.39	23.37	23.52			
20	QPSK	50	0	22.99	22.97	22.90	23.5	0.5	
20	QPSK	50	24	23.08	23.10	23.08			
20	QPSK	50	50	23.05	23.01	23.04			
20	QPSK	100	0	23.08	23.09	23.04	23.5	0.5	
20	16QAM	1	0	23.12	23.05	22.99			
20	16QAM	1	45	23.37	23.36	23.24			
20	16QAM	1	89	23.13	23.15	23.11	22.5	1.5	
20	16QAM	50	0	22.95	22.92	21.97			
20	16QAM	50	24	22.20	22.14	21.97			
20	16QAM	50	50	22.14	22.19	22.11	22.5	1.5	
20	16QAM	100	0	22.08	22.08	22.11			
20	64QAM	1	0	22.03	21.92	22.01			
20	64QAM	1	45	22.30	22.19	22.21	22.5	1.5	
20	64QAM	1	89	22.08	22.05	22.01			
20	64QAM	50	0	21.08	20.96	21.05			
20	64QAM	50	24	21.26	21.12	21.16	21.5	2.5	
20	64QAM	50	50	21.14	21.22	21.18			
20	64QAM	100	0	21.08	21.11	21.18			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
				37850	38000	38175			
15	QPSK	1	0	23.14	23.24	23.17	24	0	
15	QPSK	1	37	23.35	23.49	23.47			
15	QPSK	1	74	23.35	23.35	23.47			
15	QPSK	36	0	22.99	22.80	22.80	23.5	0.5	
15	QPSK	36	20	22.96	23.00	22.84			
15	QPSK	36	36	22.92	22.88	22.99			
15	QPSK	75	0	22.93	23.00	23.00	23.5	0.5	
15	16QAM	1	0	23.01	22.99	22.85			
15	16QAM	1	37	23.35	23.34	23.18			
15	16QAM	1	74	23.02	23.13	23.01	22.5	1.5	
15	16QAM	36	0	21.86	22.01	21.93			
15	16QAM	36	20	22.13	22.09	22.01			
15	16QAM	36	36	22.07	22.09	22.10	22.5	1.5	
15	16QAM	75	0	21.89	22.03	21.99			
15	64QAM	1	0	21.98	21.88	21.90			
15	64QAM	1	37	22.24	22.18	22.16	22.5	1.5	
15	64QAM	1	74	22.02	22.01	22.04			
15	64QAM	36	0	21.01	20.82	20.87			
15	64QAM	36	20	21.21	21.00	21.11	21.5	2.5	
15	64QAM	36	36	21.21	21.21	21.14			
15	64QAM	75	0	20.98	21.05	21.13			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
				37860	38000	38200			
10	QPSK	1	0	23.10	23.20	23.17	24	0	
10	QPSK	1	25	23.38	23.43	23.45			
10	QPSK	1	49	23.35	23.33	23.26			
10	QPSK	25	0	22.90	22.88	22.84	23.5	0.5	
10	QPSK	25	12	23.00	23.06	22.99			
10	QPSK	25	25	23.00	22.88	22.98			
10	QPSK	50	0	23.08	23.08	23.02	23.5	0.5	
10	16QAM	1	0	23.09	22.96	22.87			
10	16QAM	1	25	23.25	23.34	23.15			
10	16QAM	1	49	23.05	23.04	23.06	22.5	1.5	
10	16QAM	25	0	22.03	21.88	21.93			
10	16QAM	25	12	22.15	22.03	22.14			
10	16QAM	25	25	22.14	22.15	21.97	22.5	1.5	
10	16QAM	50	0	22.04	22.02	22.07			
10	64QAM	1	0	21.90	21.92	21.92			
10	64QAM	1	25	22.30	22.08	22.11	22.5	1.5	
10	64QAM	1	49	21.97	21.91	21.93			
10	64QAM	25	0	20.96	20.85	21.06			
10	64QAM	25	12	21.21	21.07	21.13	21.5	2.5	
10	64QAM	25	25	21.03	21.08	21.11			
10	64QAM	50	0	20.93	21.09	21.04			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
				37775	38000	38225			
5	QPSK	1	0	23.12	23.15	23.16	24	0	
5	QPSK	1	12	23.40	23.42	23.41			
5	QPSK	1	24	23.30	23.30	23.24			
5	QPSK	12	0	22.91	22.90	22.84	23.5	0.5	
5	QPSK	12	7	23.08	23.04	23.06			
5	QPSK	12	12	23.03	23.05	22.89			
5	QPSK	25	0	23.06	22.94	22.94	23.5	0.5	
5	16QAM	1	0	23.08	23.02	22.87			
5	16QAM	1	12	23.25	23.22	23.11			
5	16QAM	1	24	22.99	23.06	22.97	22.5	1.5	
5	16QAM	12	0	22.01	21.90	21.82			
5	16QAM	12	7	22.14	22.06	22.09			
5	16QAM	12	13	22.12	22.08	22.11	22.5	1.5	
5	16QAM	25	0	22.07	21.97	22.02			
5	64QAM	1	0	21.97	21.88	21.96			
5	64QAM	1	12	22.26	22.18	22.11	22.5	1.5	
5	64QAM	1	24	21.94	21.95	21.94			
5	64QAM	12	0	20.97	20.95	20.99			
5	64QAM	12	7	21.12	21.04	21.01	21.5	2.5	
5	64QAM	12	13	21.05	21.20	21.08			
5	64QAM	25	0	21.01	21.06	21.13			

Band 41_Ant 13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
20	QPSK	1	0	17.00	17.09	17.24	16.96	16.95	18	0
20	QPSK	1	49	17.35	17.25	17.41	17.40	17.35		
20	QPSK	1	99	16.98	16.98	17.17	17.22	17.14	18	0
20	QPSK	50	0	17.08	17.01	17.17	17.20	17.25		
20	QPSK	50	24	17.35	17.15	17.39	17.30	17.34	18	0
20	QPSK	50	50	17.01	17.06	17.21	17.13	17.17		
20	QPSK	100	0	17.13	17.08	17.36	17.28	17.19	18	0
20	16QAM	1	0	17.24	17.11	17.37	17.20	17.10		
20	16QAM	1	49	17.16	17.07	17.35	17.30	17.10	18	0
20	16QAM	1	99	17.24	17.19	17.23	17.31	17.18		
20	16QAM	50	0	17.11	17.20	17.31	17.34	17.15	18	0
20	16QAM	50	24	17.19	17.06	17.33	17.27	17.12		
20	16QAM	50	50	17.16	17.16	17.28	17.29	17.12	18	0
20	16QAM	100	0	17.18	17.14	17.34	17.33	17.12		
20	16QAM	1	0	17.19	17.08	17.29	17.25	17.17	18	0
20	16QAM	1	49	17.22	17.14	17.30	17.34	17.13		
20	16QAM	1	99	17.19	17.18	17.34	17.27	17.13	18	0
20	16QAM	50	0	16.97	17.08	17.15	17.04	17.20		
20	16QAM	50	24	17.06	17.12	17.30	17.28	17.22	18	0
20	16QAM	50	50	17.25	17.18	17.30	17.24	17.11		
20	16QAM	100	0	17.19	17.08	17.24	17.00	17.18	18	0
Channel Frequency (MHz)										
15	QPSK	1	0	16.95	17.07	17.16	16.91	16.84	18.00	0
15	QPSK	1	37	17.31	17.18	17.31	17.23	17.23		
15	QPSK	1	74	16.84	16.87	17.14	17.11	17.10	18	0
15	QPSK	36	0	16.96	16.92	17.10	17.08	17.21		
15	QPSK	36	20	17.23	17.00	17.34	17.28	17.23	18	0
15	QPSK	36	39	16.86	16.98	17.16	17.11	17.12		
15	QPSK	36	50	17.04	17.04	17.32	17.22	17.12	18	0
15	16QAM	1	0	17.12	17.03	17.33	17.10	17.07		
15	16QAM	1	37	17.09	17.04	17.33	17.25	17.04	18	0
15	16QAM	1	74	17.18	17.13	17.21	17.28	17.16		
15	16QAM	36	0	17.05	17.13	17.20	17.31	17.03	18	0
15	16QAM	36	20	17.10	16.86	17.24	17.21	17.04		
15	16QAM	36	39	17.07	17.07	17.14	17.19	17.06	18	0
15	16QAM	36	50	17.13	17.05	17.27	17.29	17.00		
15	16QAM	75	0	17.07	16.96	17.23	17.13	17.11	18	0
15	16QAM	1	37	17.11	17.12	17.26	17.22	17.03		
15	16QAM	1	74	17.16	17.12	17.23	17.25	17.10	18	0
15	16QAM	36	0	16.89	17.00	17.09	17.02	17.15		
15	16QAM	36	20	17.03	17.05	17.28	17.17	17.14	18	0
15	16QAM	36	39	17.17	17.07	17.23	17.13	17.02		
15	16QAM	75	0	17.17	17.01	17.15	16.95	17.07	18	0
Channel Frequency (MHz)										
10	QPSK	1	0	16.95	17.00	17.21	16.94	16.90	18.00	0
10	QPSK	1	25	17.24	17.16	17.35	17.37	17.23		
10	QPSK	1	49	16.88	16.95	17.06	17.14	17.04	18	0
10	QPSK	25	0	16.97	16.98	17.08	17.12	17.23		
10	QPSK	25	12	17.33	17.04	17.34	17.18	17.28	18	0
10	QPSK	25	25	16.96	16.98	17.14	17.05	17.05		
10	QPSK	50	0	17.08	17.02	17.31	17.14	17.14	18	0
10	16QAM	1	0	17.14	17.03	17.34	17.12	17.01		
10	16QAM	1	25	17.05	17.02	17.30	17.25	17.01	18	0
10	16QAM	1	49	17.18	17.08	17.12	17.18	17.13		
10	16QAM	25	0	17.07	17.09	17.24	17.29	17.07	18	0
10	16QAM	25	12	17.13	16.98	17.24	17.25	17.09		
10	16QAM	25	25	17.12	17.11	17.15	17.24	17.08	18	0
10	16QAM	50	0	17.08	17.04	17.30	17.23	17.03		
10	16QAM	1	0	17.14	17.03	17.17	17.23	17.10	18	0
10	16QAM	1	25	17.20	17.08	17.28	17.31	17.04		
10	16QAM	1	49	17.08	17.07	17.28	17.19	17.05	18	0
10	16QAM	25	0	16.91	17.05	17.05	16.98	17.10		
10	16QAM	25	12	16.98	17.02	17.18	17.17	17.20	18	0
10	16QAM	25	25	17.18	17.15	17.26	17.16	17.03		
10	16QAM	50	0	17.07	17.06	17.19	16.90	17.13	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85	18.00	0
5	QPSK	1	12	17.29	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12	18	0
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.96	17.28	17.22	17.28	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13	18	0
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07		
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01	18	0
5	16QAM	1	24	17.37	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07	18	0
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03		
5	16QAM	12	13	17.04	17.15	17.20	17.27	17.10	18	0
5	16QAM	25	0	17.16	17.07	17.23	17.21	17.01		
5	16QAM	1	0	17.09	16.97	17.20	17.23	17.14	18	0
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08		
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08	18	0
5	16QAM	12	0	16.88	16.96	17.05	17.00	17.13		
5	16QAM	12	13	17.03	17.03	17.18	17.18	17.13	18	0
5	16QAM	12	25	0	17.13	17.14	17.21	17.12		
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85	18.00	0
5	QPSK	1	12	17.29	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12	18	0
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.96	17.28	17.22	17.28	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13	18	0
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07		
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01	18	0
5	16QAM	1	24	17.37	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07	18	0
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03		
5	16QAM	12	13	17.04	17.15	17.20	17.27	17.10	18	0
5	16QAM	25	0	17.16	17.07	17.23	17.21	17.01		
5	16QAM	1	0	17.09	16.97	17.20	17.23	17.14	18	0
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08		
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08	18	0
5	16QAM	12	0	16.88	16.96	17.05	17.00	17.13		
5	16QAM	12	13	17.03	17.03	17.18	17.18	17.13	18	0
5	16QAM	12	25	0	17.13	17.14	17.21	17.12		
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85	18.00	0
5	QPSK	1	12	17.29	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12	18	0
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.96	17.28	17.22	17.28	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13	18	0
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07		
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01	18	0
5	16QAM	1	24	17.37	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07	18	0
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03		
5	16QAM	12	13	17.04	17.15	17.20	17.27	17.10	18	0
5	16QAM	25	0	17.16	17.07	17.23	17.21	17.01		
5	16QAM	1	0	17.09	16.97	17.20	17.23	17.14	18	0
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08		
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08	18	0
5	16QAM	12	0	16.88	16.96	17.05	17.00	17.13		
5	16QAM	12	13	17.03	17.03	17.18	17.18	17.13	18	0
5	16QAM	12	25	0	17.13	17.14	17.21	17.12		
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85	18.00	0
5	QPSK	1	12	17.29	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12	18	0
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.96	17.28	17.22	17.28	18	0
5	QPSK									



Reduced Power Mode for DS16

<GSM>

GSM850_Ant.13	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
	TX Channel	128	189	251		128	189	251		
Frequency (MHz)	824.2	834.4	844.6	854.8	(dBm)	824.2	834.4	844.6	(dBm)	
GSM 1 Tx slot	32.71	32.75	32.70	34.00		23.71	23.75	23.70	25.00	
GPRESS-EDGE(GMSK) 1 Tx slot	32.70	32.73	32.68	34.00		23.70	23.73	23.68	25.00	
GPRESS-EDGE(GMSK) 2 Tx slots	30.60	30.64	30.62	32.00		24.60	24.64	24.62	26.00	
GPRESS-EDGE(GMSK) 3 Tx slots	28.50	28.60	28.48	30.00		24.29	24.34	24.22	25.74	
GPRESS-EDGE(GMSK) 4 Tx slots	26.30	26.35	26.31	28.00		23.30	23.35	23.31	25.00	
EDGE 1 Tx slot	26.80	26.88	26.85	28.00		17.80	17.88	17.85	19.00	
EDGE 2 Tx slot	25.01	25.02	24.87	26.00		19.01	19.02	18.87	20.00	
EDGE 3 Tx slot	22.75	22.89	22.77	24.00		16.49	16.63	16.51	18.74	
EDGE 4 Tx slots	20.45	20.35	20.37	22.00		17.45	17.35	17.37	19.00	

GSM1900_Ant_13	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
TX Channel	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot	28.12	27.98	27.95	28.50		19.12	18.98	18.95	19.50	
GPRESS-EDGE(GMSK) 1 Tx slot	28.15	28.05	27.99	28.50		19.15	19.05	18.99	19.50	
GPRESS-EDGE(GMSK) 2 Tx slot	25.16	25.17	25.08	26.00		19.16	19.17	19.08	20.00	
GPRESS-EDGE(GMSK) 3 Tx slots	22.15	22.00	21.97	23.50		17.89	17.74	17.71	19.24	
GPRESS-EDGE(GMSK) 4 Tx slots	21.28	21.10	20.97	22.50		19.28	19.10	17.97	19.50	
EDGE 1 Tx slot	26.18	26.20	26.10	27.00		17.18	17.20	17.10	18.00	
EDGE 2 Tx slots	24.44	24.41	24.36	25.00		16.44	16.41	16.38	19.00	
EDGE 3 Tx slots	22.77	22.61	22.47	23.50		18.51	18.35	18.21	19.24	
EDGE 4 Tx slots	20.69	20.57	20.50	21.50		17.69	17.57	17.50	18.50	

<GSM>

GSM850_Ant.31	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
	TX Channel	128	189	251		128	189	251	Limit	
Frequency (MHz)	824.2	834.4	844.6	854.8	(dBm)	824.2	834.4	844.6	(dBm)	
GSM 1 Tx slot	32.30	32.43	32.42	33.50		23.30	23.30	23.43	23.42	24.50
GPRESS-EDGE(GMSK) 1 Tx slot	32.28	32.42	32.41	33.50		23.28	23.28	23.42	23.41	24.50
GPRESS-EDGE(GMSK) 1 Tx slot	30.19	30.19	30.35	30.34		24.19	24.19	24.35	24.34	
GPRESS-EDGE(GMSK) 3 Tx slot	28.01	28.18	28.17	29.50		23.75	23.75	23.92	23.91	25.24
GPRESS-EDGE(GMSK) 4 Tx slot	25.78	25.93	25.92	27.50		22.78	22.78	22.93	22.92	24.50
EDGE 1 Tx slot	26.37	26.62	26.61	27.50		17.37	17.37	17.62	17.61	19.50
EDGE 2 Tx slot	24.56	24.61	24.65	25.50		18.56	18.56	18.61	18.65	19.50
EDGE 3 Tx slot	22.28	22.34	22.51	23.50		18.02	18.02	18.25	18.24	
EDGE 4 Tx slot	19.91	20.03	20.18	21.50		16.91	16.91	17.03	17.18	18.50

GSM1900_Ant.31	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
TX Channel	512	661	810		512	661	810		512	
Frequency (MHz)	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)	1850.2	
GSM 1 Tx slot	28.89	28.90	29.01	29.50	19.89	19.89	19.90	20.01	20.50	
GPRESS-EDGE(GMSK) 1 Tx slot	28.92	28.95	29.03	29.50	19.92	19.95	19.99	20.03	20.50	
GPRESS-EDGE(GMSK) 2 Tx slot	25.78	25.81	25.94	26.50	19.78	19.81	19.81	19.94	20.50	
GPRESS-EDGE(GMSK) 3 Tx slot	22.82	22.84	22.88	24.00	18.58	18.58	18.58	18.72	19.74	
GPRESS-EDGE(GMSK) 4 Tx slot	21.31	21.30	21.43	23.00	18.31	18.30	18.33	18.43	20.00	
EDGE 1 Tx slot	25.88	26.07	26.24	27.00	16.88	17.07	17.24	17.74	18.00	
EDGE 2 Tx slot	24.37	24.46	24.58	25.00	16.37	16.46	16.58	16.88	19.00	
EDGE 3 Tx slot	22.55	22.64	22.69	23.50	16.29	16.38	16.43	16.63	18.24	
EDGE 4 Tx slot	20.55	20.62	20.61	21.50	17.55	17.55	17.62	17.61	18.50	

<WCDMA>

Band	WCDMA II_Ant.13				Tune-up Limit (dBm)	WCDMA IV_Ant.13				Tune-up Limit (dBm)	WCDMA V_Ant.13				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513	4132		4182	4233			
Frequency (MHz)	869.2	9600	9998	1800	1537	1638	1738	4357	4407	4458					
3GPP Rel.99	AMR 12.2Kbps	18.03	18.08	18.09	19.00	18.84	18.94	18.91	20.00	23.23	23.30	23.28	24.50		
3GPP Rel.99	RM 12.2Kbps	18.07	18.11	18.10	19.00	18.92	18.97	18.93	20.00	23.25	23.32	23.30	24.50		
3GPP Rel.6	HS-PA Subtest-1	17.41	17.12	17.24	18.00	17.91	17.93	17.91	19.00	22.97	22.99	22.47	23.50		
3GPP Rel.6	HS-PA Subtest-2	17.04	17.02	17.19	18.00	18.06	17.91	17.92	19.00	22.40	22.42	22.25	23.50		
3GPP Rel.6	HS-PA Subtest-3	16.52	16.58	16.57	17.50	17.43	17.35	17.45	18.50	21.85	21.98	21.72	23.00		
3GPP Rel.6	HS-PA Subtest-4	16.69	16.49	16.51	17.50	17.51	17.30	17.54	18.50	21.91	21.93	21.70	23.00		
3GPP Rel.6	DC-HS-PA Subtest-1	17.13	17.00	17.17	18.00	17.86	17.98	17.83	19.00	22.30	22.35	22.41	23.50		
3GPP Rel.6	DC-HS-PA Subtest-2	17.05	17.07	17.15	18.00	17.93	17.96	17.84	19.00	22.36	22.40	22.20	23.50		
3GPP Rel.6	DC-HS-PA Subtest-3	16.58	16.52	16.60	17.50	17.44	17.26	17.39	18.50	21.68	21.94	21.69	23.00		
3GPP Rel.6	DC-HS-PA Subtest-4	16.59	16.48	16.54	17.50	17.51	17.33	17.41	18.50	21.85	21.88	21.67	23.00		
3GPP Rel.6	HS-PA Subtest-1	15.25	15.11	15.13	16.00	15.92	16.00	15.94	17.00	21.90	21.46	21.48	22.50		
3GPP Rel.6	HS-PA Subtest-2	15.18	15.22	15.13	16.00	15.96	15.88	15.89	17.00	21.97	21.42	21.41	22.50		
3GPP Rel.6	HS-PA Subtest-3	16.18	16.12	16.23	17.00	16.90	16.96	16.90	18.00	22.38	22.35	22.40	23.50		
3GPP Rel.6	HS-PA Subtest-4	14.58	14.60	14.60	15.50	15.49	15.54	15.46	16.50	20.83	20.85	20.90	22.00		
3GPP Rel.6	HS-PA Subtest-5	16.08	16.11	16.13	17.00	16.90	16.93	16.89	18.00	22.27	22.27	22.30	23.50		
3GPP Rel.7	HSPA (HSPA) Subtest-1	15.15	15.22	15.14	16.00	15.98	15.97	16.05	17.00	21.35	21.44	21.40	22.50		

Band	WCDMA II_Ant.31				Tune-up Limit	WCDMA IV_Ant.31				Tune-up Limit	WCDMA V_Ant.31				Tune-up Limit
	TX Channel	5262	9400	9538		1312	1413	1513	4132		4182	4233			
Frequency (MHz)	869.2	9600	9998	(dBm)		1537	1638	1738	(dBm)		4357	4407	4458	(dBm)	
3GPP Rel.99	AMR 12.2Kbps	20.26	20.26	20.22	21.00	19.53	19.60	19.62	20.50	23.22	23.24	23.20	24.00		
3GPP Rel.99	RM 12.2Kbps	20.27	20.30	20.27	21.00	19.53	19.55	19.63	20.50	23.25	23.26	23.25	24.00		
3GPP Rel.6	HS-PA Subtest-1	19.32	19.25	19.47	20.00	18.49	18.89	18.60	19.50	22.23	22.25	22.30	23.00		
3GPP Rel.6	HS-PA Subtest-2	18.17	19.08	19.13	20.00	18.42	18.57	18.59	19.50	22.15	22.13	22.11	23.00		
3GPP Rel.6	HS-PA Subtest-3	18.80	18.70	18.94	19.50	17.89	18.02	18.19	19.00	21.66	21.78	21.69	22.50		
3GPP Rel.6	HS-PA Subtest-4	18.69	18.60	18.73	19.50	17.97	18.05	18.17	19.00	21.66	21.62	21.67	22.50		
3GPP Rel.6	DC-HS-PA Subtest-1	19.25	19.18	19.38	20.00	18.48	18.61	18.56	19.50	22.19	22.23	22.27	23.00		
3GPP Rel.6	DC-HS-PA Subtest-2	18.11	18.06	18.16	20.00	18.29	18.47	18.58	19.50	22.11	22.08	22.07	23.00		
3GPP Rel.6	DC-HS-PA Subtest-3	18.71	18.68	18.74	19.50	17.90	18.02	18.09	19.00	21.61	21.73	21.67	22.50		
3GPP Rel.6	DC-HS-PA Subtest-4	18.60	18.62	18.75	19.50	17.93	18.01	18.11	19.00	21.62	21.57	21.63	22.50		
3GPP Rel.6	HS-PA Subtest-1	17.41	17.28	17.50	18.20	16.63	16.71	16.83	17.50	21.17	20.88	21.10	22.50		
3GPP Rel.6	HS-PA Subtest-2	17.25	17.24	17.47	18.50	16.57	16.59	16.63	17.50	21.00	21.07	21.00	22.50		
3GPP Rel.6	HS-PA Subtest-3	18.30	18.30	18.52	19.00	17.55	17.70	17.68	18.50	21.94	22.00	21.92	23.00		
3GPP Rel.6	HS-PA Subtest-4	16.65	16.75	17.01	17.50	16.02	16.08	16.07	17.00	20.43	20.49	20.45	21.50		
3GPP Rel.6	HS-PA Subtest-5	18.26	18.18	18.32	19.00	17.55	17.62	17.65	18.50	21.90	21.90	21.90	23.00		
3GPP Rel.7	HSPA (HSPA) Subtest-1	17.30	17.30	17.41	18.20	16.62	16.68	16.72	17.70	21.14	21.04	21.05	22.50		

Band 2_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 Frequency (MHz)										
20	QPSK	1	0	17.92	17.92	17.89	19.1	0		
20	QPSK	1	49	18.02	18.12	18.02				
20	QPSK	1	99	17.77	17.79	17.72				
20	QPSK	50	0	17.82	17.9	17.81				
20	QPSK	50	24	17.95	18.1	18.01	19.1	0		
20	QPSK	50	50	17.7	17.83	17.74				
20	QPSK	100	0	18.05	18.03	17.87				
20	16QAM	1	0	17.81	17.81	17.87				
20	16QAM	1	49	18.09	18.11	18.09	19.1	0		
20	16QAM	1	99	17.88	18.01	17.85				
20	16QAM	50	0	17.97	17.89	17.71				
20	16QAM	50	24	17.81	17.9	17.89				
20	16QAM	50	50	17.69	17.77	17.62	19.1	0		
20	16QAM	100	0	17.75	17.88	17.8				
20	16QAM	1	0	18.05	18.05	18.1				
20	16QAM	1	49	18.06	18.02	18.08				
20	16QAM	1	99	17.92	17.96	17.82	19.1	0		
20	16QAM	50	0	17.99	17.95	17.89				
20	16QAM	50	24	17.91	18.06	17.91				
20	16QAM	50	50	17.82	17.79	17.8				
20	16QAM	100	0	17.71	17.83	17.82	19.1	0		
Channel Frequency (MHz)										
15	QPSK	1	0	18.05	18.00	18.025			Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	37	17.82	17.84	17.83				
15	QPSK	1	74	17.66	17.88	17.65				
15	QPSK	36	0	17.80	17.87	17.74				
15	QPSK	36	36	17.91	18.04	17.88	19.1	0		
15	QPSK	36	39	17.60	17.75	17.65				
15	QPSK	75	0	17.89	17.98	17.81				
15	16QAM	1	0	17.72	17.77	17.80				
15	16QAM	1	37	18.01	18.07	17.98	19.1	0		
15	16QAM	1	74	17.81	17.88	17.78				
15	16QAM	36	0	17.87	17.80	17.82				
15	16QAM	36	20	17.74	17.85	17.86				
15	16QAM	36	39	17.62	17.75	17.57	19.1	0		
15	16QAM	75	0	17.63	17.82	17.68				
15	16QAM	1	0	17.93	17.94	18.08				
15	16QAM	1	37	18.04	17.93	17.99				
15	16QAM	1	74	17.83	17.83	17.80	19.1	0		
15	16QAM	36	0	17.88	17.92	17.86				
15	16QAM	36	20	17.82	18.01	17.86				
15	16QAM	36	39	17.78	17.77	17.73				
15	16QAM	75	0	17.61	17.74	17.76	19.1	0		
Channel Frequency (MHz)										
10	QPSK	1	0	18.05	18.00	18.025			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	17.95	18.10	17.94				
10	QPSK	1	49	17.70	17.88	17.68				
10	QPSK	25	0	17.77	17.86	17.69				
10	QPSK	25	12	17.88	18.00	17.96	19.1	0		
10	QPSK	25	25	17.68	17.74	17.70				
10	QPSK	50	0	17.88	17.92	17.81				
10	16QAM	1	0	17.77	17.78	17.80				
10	16QAM	1	25	18.07	17.99	17.99	19.1	0		
10	16QAM	1	49	17.76	17.85	17.79				
10	16QAM	25	0	17.90	17.80	17.81				
10	16QAM	25	12	17.72	17.85	17.85				
10	16QAM	25	25	17.66	17.67	17.59	19.1	0		
10	16QAM	50	0	17.65	17.76	17.76				
10	16QAM	1	0	17.95	17.83	18.01				
10	16QAM	1	25	17.96	17.99	17.96				
10	16QAM	1	49	17.81	17.84	17.71	19.1	0		
10	16QAM	25	0	17.87	17.85	17.78				
10	16QAM	25	12	17.85	18.01	17.81				
10	16QAM	25	25	17.76	17.68	17.68				
10	16QAM	50	0	17.63	17.78	17.76	19.1	0		
Channel Frequency (MHz)										
5	QPSK	1	0	18.05	18.00	18.025	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	12	17.81	18.05	17.975				
5	QPSK	1	24	17.70	17.87	17.67				
5	QPSK	12	0	17.73	17.80	17.71				
5	QPSK	12	7	17.91	18.02	17.94	19.1	0		
5	QPSK	12	13	17.65	17.73	17.68				
5	QPSK	25	0	17.88	17.93	17.83				
5	16QAM	1	0	17.70	17.76	17.84				
5	16QAM	1	12	18.04	18.08	17.97	19.1	0		
5	16QAM	1	24	17.86	17.92	17.86				
5	16QAM	12	0	17.88	17.80	17.83				
5	16QAM	12	7	17.71	17.80	17.84				
5	16QAM	12	13	17.66	17.66	17.50	19.1	0		
5	16QAM	25	0	17.73	17.78	17.68				
5	16QAM	1	0	17.98	18.02	18.04				
5	16QAM	1	12	18.02	17.99	17.98				
5	16QAM	12	0	17.83	17.84	17.77	19.1	0		
5	16QAM	12	7	17.96	17.92	17.86				
5	16QAM	12	7	17.84	18.04	17.86				
5	16QAM	12	13	17.80	17.77	17.72				
5	16QAM	25	0	17.66	17.74	17.77	19.1	0		
Channel Frequency (MHz)										
3	QPSK	1	0	18.05	18.00	18.025	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	8	17.93	18.08	17.92				
3	QPSK	1	16	17.67	17.85	17.70				
3	QPSK	8	0	17.72	17.85	17.78				
3	QPSK	8	4	17.93	18.03	17.91	19.1	0		
3	QPSK	8	7	17.68	17.81	17.68				
3	QPSK	15	0	17.88	17.84	17.85				
3	16QAM	1	0	17.79	17.75	17.85				
3	16QAM	1	8	17.88	18.02	17.97	19.1	0		
3	16QAM	1	16	17.85	17.87	17.83				
3	16QAM	8	0	17.95	17.78	17.67				
3	16QAM	8	4	17.78	17.81	17.79				
3	16QAM	8	7	17.67	17.74	17.51	19.1	0		
3	16QAM	15	0	17.69	17.78	17.75				
3	16QAM	1	0	17.98	18.01	17.98				
3	16QAM	1	8	17.99	17.90	17.98				
3	16QAM	1	16	17.81	17.94	17.75	19.1	0		
3	16QAM	8	0	17.88	17.88	17.83				
3	16QAM	8	4	17.82	17.98	17.82				
3	16QAM	8	7	17.73	17.71	17.71				
3	16QAM	15	0	17.60	17.55	17.75	19.1	0		
Channel Frequency (MHz)										
1.4	QPSK	1	0	18.07	18.00	18.018	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	3	17.81	17.82	17.87				
1.4	QPSK	1	3	17.98	18.06	17.98				
1.4	QPSK	1	5	17.70	17.78	17.69				
1.4	QPSK	3	0	17.71	17.73	17.70	19.1	0		
1.4	QPSK	3	1	17.88	18.00	17.99				
1.4	QPSK	3	3	17.62	17.77	17.69				
1.4	QPSK	6	0	17.65	17.88	17.75				
1.4	16QAM	1	0	17.71	17.77	17.81	19.1	0		
1.4	16QAM	1	3	18.07	18.05	18.03				
1.4	16QAM	1	5	17.81	17.86	17.85				
1.4	16QAM	3	0	17.87	17.77	17.81				
1.4	16QAM	3	1	17.72	17.80	17.77	19.1	0		
1.4	16QAM	3	3	17.61	17.68	17.58				
1.4	16QAM	6	0	17.66	17.86	17.73				
1.4	16QAM	1	0	17.99	18.00	17.98				
1.4	16QAM	1	3	17.96	17.96	18.03	19.1	0		
1.4	16QAM	1	5	17.82	17.89	17.79				
1.4	16QAM	3	0	17.95	17.92	17.78				
1.4	16QAM	3	1	17.85	18.02	17.81				
1.4	16QAM	3	3	17.70	17.69	17.75	19.1	0		
Channel Frequency (MHz)										

Band 2_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 Frequency (MHz)								
20	QPSK	1	0	18.00	18.00	18.00	21	0
20	QPSK	1	49	20.02	19.95	20.08		
20	QPSK	1	99	20.12	20.17	20.04		
20	QPSK	50	0	20.3	20.34	20.31		
20	QPSK	50	24	20.35	20.38	20.35	21	0
20	QPSK	50	50	20.32	20.19	20.27		
20	QPSK	100	0	20.21	20.42	20.29		
20	16QAM	1	0	20.35	20.4	20.42		
20	16QAM	1	49	20.37	20.4	20.41	21	0
20	16QAM	1	99	20.34	20.33	20.38		
20	16QAM	50	0	20.2	20.39	20.18		
20	16QAM	50	24	20.4	20.41	20.34	21	0
20	16QAM	50	50	20.37	20.24	20.2		
20	16QAM	100	0	20.38	20.25	20.25		
20	16QAM	1	0	20.25	20.32	20.32		
20	64QAM	1	49	20.4	20.33	20.37	21	0
20	64QAM	1	99	20.4	20.39	20.41		
20	64QAM	50	0	20.21	20.33	20.33		
20	64QAM	24	24	20.38	20.35	20.34	21	0
20	64QAM	50	50	20.41	20.34	20.27		
20	64QAM	100	0	20.33	20.19	20.17		
Channel Frequency (MHz)								
15	QPSK	1	0	18.05	18.00	18.05	21	0
15	QPSK	1	37	20.07	19.87	19.85		
15	QPSK	1	74	20.06	20.13	20.00		
15	QPSK	35	0	20.28	20.27	20.29		
15	QPSK	35	20	20.30	20.31	20.32	21	0
15	QPSK	38	39	20.23	20.10	20.24		
15	QPSK	75	0	20.18	20.17	20.17		
15	16QAM	1	0	20.27	20.34	20.35		
15	16QAM	1	37	20.28	20.37	20.36	21	0
15	16QAM	1	74	20.28	20.34	20.34		
15	16QAM	35	0	20.18	20.33	20.16		
15	16QAM	38	38	20.34	20.30	20.29		
15	16QAM	38	39	20.28	20.20	20.08	21	0
15	16QAM	75	0	20.24	20.23	20.13		
15	64QAM	1	0	20.16	20.14	20.14		
15	64QAM	1	37	20.37	20.30	20.32		
15	64QAM	1	74	20.33	20.31	20.32	21	0
15	64QAM	35	0	20.11	20.12	20.13	21	0
15	64QAM	38	20	20.32	20.32	20.24		
15	64QAM	38	38	20.33	20.22	20.20		
15	64QAM	75	0	20.28	20.27	20.07		
Channel Frequency (MHz)								
10	QPSK	1	0	18.05	18.00	18.05	21	0
10	QPSK	1	25	20.33	19.88	20.33		
10	QPSK	1	49	20.08	20.07	19.82		
10	QPSK	25	0	20.27	20.24	20.18		
10	QPSK	25	12	20.27	20.30	20.28	21	0
10	QPSK	25	25	20.24	20.09	20.22		
10	QPSK	50	0	20.10	20.38	20.21		
10	16QAM	1	0	20.24	20.38	20.30		
10	16QAM	1	25	20.22	20.31	20.36	21	0
10	16QAM	49	0	20.22	20.21	20.29		
10	16QAM	25	0	20.10	20.29	20.12		
10	16QAM	25	12	20.31	20.27	20.29		
10	16QAM	25	25	20.25	20.12	20.12	21	0
10	16QAM	50	0	20.24	20.15	20.17		
10	64QAM	1	0	20.16	20.18	20.18		
10	64QAM	1	25	20.34	20.22	20.29		
10	64QAM	1	49	20.35	20.31	20.35	21	0
10	64QAM	25	0	20.15	20.19	20.19		
10	64QAM	25	12	20.28	20.25	20.24		
10	64QAM	25	25	20.34	20.30	20.20		
Channel Frequency (MHz)								
5	QPSK	1	0	18.02	18.00	18.05	21	0
5	QPSK	1	12	20.31	19.82	20.24		
5	QPSK	1	24	20.09	20.15	19.88		
5	QPSK	12	0	20.24	20.30	20.22		
5	QPSK	12	7	20.24	20.33	20.31	21	0
5	QPSK	12	13	20.28	20.08	20.24		
5	QPSK	25	0	20.18	20.27	20.22		
5	16QAM	1	0	20.25	20.35	20.35		
5	16QAM	1	12	20.25	20.28	20.29	21	0
5	16QAM	1	24	20.28	20.31	20.33		
5	16QAM	12	0	20.15	20.31	20.13		
5	16QAM	12	7	20.28	20.30	20.29		
5	16QAM	12	13	20.28	20.12	20.15	21	0
5	16QAM	25	0	20.31	20.19	20.17		
5	64QAM	1	0	20.23	20.31	20.12		
5	64QAM	1	12	20.37	20.30	20.27		
5	64QAM	1	24	20.30	20.34	20.35	21	0
5	64QAM	12	0	20.18	20.21	20.12		
5	64QAM	12	7	20.27	20.27	20.29		
5	64QAM	12	13	20.27	20.22	20.17		
Channel Frequency (MHz)								
3	QPSK	1	0	18.05	18.00	18.05	21	0
3	QPSK	1	8	20.33	19.87	20.33		
3	QPSK	1	14	20.03	20.11	19.97		
3	QPSK	8	0	20.18	20.31	20.28		
3	QPSK	8	4	20.24	20.27	20.27	21	0
3	QPSK	8	7	20.23	20.16	20.25		
3	QPSK	15	0	20.09	20.20	20.22		
3	16QAM	1	0	20.24	20.38	20.30		
3	16QAM	1	8	20.26	20.35	20.36	21	0
3	16QAM	1	14	20.30	20.30	20.32		
3	16QAM	8	0	20.18	20.27	20.16		
3	16QAM	8	4	20.34	20.31	20.29		
3	16QAM	8	7	20.30	20.14	20.13	21	0
3	16QAM	15	0	20.29	20.15	20.16		
3	64QAM	1	0	20.20	20.19	20.18		
3	64QAM	1	8	20.34	20.22	20.34		
3	64QAM	1	14	20.38	20.33	20.31	21	0
3	64QAM	8	0	20.12	20.23	20.13		
3	64QAM	8	4	20.26	20.23	20.29		
3	64QAM	8	7	20.29	20.22	20.25		
Channel Frequency (MHz)								
1.4	QPSK	1	0	18.07	18.86	19.88	21	0
1.4	QPSK	1	3	20.29	20.35	20.23		
1.4	QPSK	1	5	20.04	20.11	20.00		
1.4	QPSK	3	0	20.20	20.24	20.20		
1.4	QPSK	3	1	20.29	20.31	20.33	21	0
1.4	QPSK	3	3	20.24	20.15	20.15		
1.4	QPSK	6	0	20.18	20.23	20.13		
1.4	16QAM	1	0	20.23	20.33	20.38		
1.4	16QAM	1	3	20.33	20.31	20.38	21	0
1.4	16QAM	1	5	20.23	20.27	20.20		
1.4	16QAM	3	0	20.12	20.34	20.10		
1.4	16QAM	3	1	20.36	20.32	20.30		
1.4	16QAM	3	3	20.34	20.17	20.10	21	0
1.4	16QAM	6	0	20.33	20.19	20.15		
1.4	64QAM	1	0	20.23	20.13	20.15		
1.4	64QAM	1	3	20.38	20.27	20.33		
1.4	64QAM	1	5	20.29	20.34	20.29	21	0
1.4	64QAM	3	0	20.14	20.14	20.14		
1.4	64QAM	3	1	20.29	20.24	20.25		
1.4	64QAM	3	3	20.20	20.31	20.24		
1.4	64QAM	6	0	20.22	20.07	20.10	21	0
1.4	64QAM	3	1	20.29	20.24	20.25		
1.4	64QAM	3	3	20.20	20.31	20.24		
1.4	64QAM	6	0	20.22	20.07	20.10		

Band 4_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 Frequency (MHz)										
20	QPSK	1	0	17.20	17.23	17.45	20	0		
15	QPSK	1	49	18.71	18.79	18.75				
20	QPSK	1	99	18.79	18.89	18.84				
20	QPSK	50	0	18.87	18.86	18.97				
20	QPSK	24	0	18.76	18.85	18.92	20	0		
20	QPSK	50	50	19.05	18.98	18.91				
20	QPSK	100	0	19.05	19.05	18.81				
20	16QAM	1	0	19.05	19.04	19.07				
20	16QAM	1	49	19.01	19.01	19.08	20	0		
20	16QAM	1	99	19.06	19.06	19.07				
20	16QAM	50	0	19.03	18.94	18.98				
20	16QAM	50	24	18.97	19.01	18.92				
20	16QAM	100	0	18.96	19.00	18.81	20	0		
20	16QAM	100	0	18.77	18.91	18.86				
20	64QAM	1	0	19.08	19.07	19.05				
20	64QAM	1	49	19.08	19.01	19.08				
20	64QAM	1	99	19.01	19.08	19.03	20	0		
20	64QAM	50	0	19.04	18.99	18.99				
20	64QAM	50	24	18.98	19.05	18.92				
20	64QAM	50	50	18.98	19.01	18.92				
20	64QAM	100	0	19.00	18.98	18.97	20	0		
Channel Frequency (MHz)										
15	QPSK	1	0	18.59	18.72	18.71	20	0		
15	QPSK	1	37	18.98	19.04	18.87				
15	QPSK	1	74	18.75	18.85	18.92				
15	QPSK	36	0	18.84	18.79	18.88				
15	QPSK	36	36	19.08	19.08	18.99	20	0		
15	QPSK	36	39	19.03	18.94	18.87				
15	QPSK	75	0	19.01	18.99	18.77				
15	16QAM	1	0	19.01	18.93	19.04				
15	16QAM	1	37	18.96	18.99	19.04	20	0		
15	16QAM	1	74	19.04	19.06	18.98				
15	16QAM	36	0	18.91	18.91	18.95				
15	16QAM	36	20	18.86	18.96	18.89				
15	16QAM	36	39	18.92	18.96	18.76	20	0		
15	16QAM	75	0	18.95	18.87	18.99				
15	64QAM	1	0	19.03	18.98	18.98				
15	64QAM	1	37	18.96	18.95	18.99				
15	64QAM	1	74	18.95	19.00	18.97	20	0		
15	64QAM	36	0	18.97	18.87	18.95				
15	64QAM	36	20	18.93	18.98	18.88				
15	64QAM	36	39	18.92	18.89	18.80				
15	64QAM	75	0	18.96	18.93	18.95	20	0		
Channel Frequency (MHz)										
10	QPSK	1	0	18.67	18.69	18.68	20	0		
10	QPSK	1	25	19.01	19.05	18.88				
10	QPSK	1	49	19.12	18.63	18.92				
10	QPSK	25	0	18.79	18.75	18.92				
10	QPSK	25	12	18.86	18.97	19.03	20	0		
10	QPSK	25	25	18.99	18.88	18.79				
10	QPSK	50	0	18.93	19.04	18.71				
10	16QAM	1	0	18.98	18.96	18.99				
10	16QAM	1	18	18.93	18.97	19.05	20	0		
10	16QAM	1	49	18.94	19.04	19.01				
10	16QAM	25	0	18.97	18.82	18.93				
10	16QAM	12	25	18.91	18.89	18.87				
10	16QAM	25	25	18.95	18.96	18.70	20	0		
10	16QAM	50	0	18.99	18.80	18.64				
10	64QAM	1	0	18.96	19.02	18.96				
10	64QAM	1	25	18.99	18.98	19.05				
10	64QAM	1	49	18.97	18.96	18.91	20	0		
10	64QAM	1	74	18.96	18.87	18.89				
10	64QAM	25	0	18.96	18.87	18.89				
10	64QAM	25	12	18.92	18.94	18.83				
10	64QAM	25	25	18.95	18.95	18.76	20	0		
10	64QAM	50	0	18.91	18.94	18.85				
Channel Frequency (MHz)										
5	QPSK	1	0	18.60	18.70	18.64			20	0
5	QPSK	1	12	18.96	18.98	18.83				
5	QPSK	1	24	18.98	18.97	18.92				
5	QPSK	12	7	18.96	19.06	19.04				
5	QPSK	12	13	19.00	18.95	18.78	20	0		
5	QPSK	25	0	18.99	19.00	18.74				
5	16QAM	1	0	19.02	18.98	19.01				
5	16QAM	1	12	18.91	18.94	18.97				
5	16QAM	1	24	18.98	19.00	18.96	20	0		
5	16QAM	12	0	18.94	18.85	18.91				
5	16QAM	12	7	18.98	18.97	18.92				
5	16QAM	12	13	18.86	18.89	18.89				
5	16QAM	25	0	18.73	18.89	18.84	20	0		
5	64QAM	1	0	19.05	19.04	19.09				
5	64QAM	1	12	19.05	18.97	19.02				
5	64QAM	1	24	18.95	19.00	18.97				
5	64QAM	12	0	18.98	18.80	18.91	20	0		
5	64QAM	12	7	18.90	18.99	18.80				
5	64QAM	12	13	18.96	18.95	18.80				
5	64QAM	25	0	18.91	18.92	18.85				
Channel Frequency (MHz)										
3	QPSK	1	0	18.60	18.70	18.64	20	0		
3	QPSK	1	8	18.95	19.02	18.80				
3	QPSK	8	0	18.78	18.81	18.93				
3	QPSK	8	4	18.96	18.97	19.02				
3	QPSK	8	7	18.99	18.88	18.86	20	0		
3	QPSK	15	0	19.03	18.98	18.70				
3	16QAM	1	0	18.93	19.01	18.95				
3	16QAM	1	8	18.95	18.89	19.00				
3	16QAM	1	14	18.98	19.01	18.99	20	0		
3	16QAM	8	0	19.00	18.82	18.96				
3	16QAM	8	4	18.95	18.89	18.85				
3	16QAM	8	7	18.90	18.89	18.79				
3	16QAM	15	0	18.70	18.82	18.63	20	0		
3	64QAM	1	0	19.04	19.01	18.93				
3	64QAM	1	8	18.98	18.92	18.97				
3	64QAM	1	14	18.91	19.03	18.99				
3	64QAM	8	0	18.97	18.85	18.89	20	0		
3	64QAM	8	4	18.90	19.03	18.83				
3	64QAM	8	7	18.92	18.97	18.78				
3	64QAM	15	0	18.95	18.89	18.92				
3	64QAM	15	0	18.76	18.86	18.67				
Channel Frequency (MHz)										
1.4	QPSK	1	0	16.94	17.14	17.71	20	0		
1.4	QPSK	1	3	18.99	19.03	18.86				
1.4	QPSK	1	5	18.76	18.67	18.56				
1.4	QPSK	3	0	18.78	18.75	18.67				
1.4	QPSK	3	1	19.04	19.02	19.04	20	0		
1.4	QPSK	3	3	18.93	18.91	18.84				
1.4	QPSK	6	0	19.03	18.98	18.78				
1.4	16QAM	1	0	19.01	19.02	18.95				
1.4	16QAM	1	3	18.98	18.97	19.01	20	0		
1.4	16QAM	1	5	18.99	18.99	19.01				
1.4	16QAM	3	0	18.91	18.83	18.89				
1.4	16QAM	3	1	18.95	18.92	18.87				
1.4	16QAM	3	3	18.95	18.97	18.74	20	0		
1.4	16QAM	6	0	18.72	18.79	18.54				
1.4	64QAM	1	0	19.08	19.05	19.02				
1.4	64QAM	1	3	18.98	18.93	19.04				
1.4	64QAM	1	5	18.96	19.06	18.99	20	0		
1.4	64QAM	3	0	18.95	18.78	18.94				
1.4	64QAM	3	1	18.96	18.95	18.90				
1.4	64QAM	3	3	18.95	18.97	18.70				
1.4	64QAM	6	0	18.98	18.89	18.87	20	0		
1.4	64QAM	6	0	18.76	18.86	18.67				

Band 4_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 Frequency (MHz)										
20	QPSK	1	0	1720	1727.5	1745	20.5	0		
20	QPSK	1	49	18.58	18.59	18.63				
20	QPSK	1	99	18.43	18.42	18.45				
20	QPSK	50	0	19.67	19.69	19.64				
20	QPSK	50	24	19.68	19.73	19.71	20.5	0		
20	QPSK	50	50	19.63	19.64	19.69				
20	QPSK	100	0	19.69	19.72	19.64				
20	16QAM	1	0	19.69	19.73	19.69				
20	16QAM	1	49	19.86	19.89	19.83	20.5	0		
20	16QAM	1	99	19.74	19.69	19.69				
20	16QAM	50	0	19.72	19.68	19.69				
20	16QAM	50	24	19.68	19.69	19.67				
20	16QAM	50	50	19.69	19.66	19.72	20.5	0		
20	16QAM	100	0	19.63	19.65	19.75				
20	16QAM	1	0	19.69	19.67	19.67				
20	16QAM	1	49	19.68	19.70	19.74				
20	64QAM	1	99	19.74	19.60	19.62	20.5	0		
20	64QAM	50	0	19.68	19.72	19.75				
20	64QAM	50	24	19.73	19.74	19.73				
20	64QAM	50	50	19.73	19.67	19.72				
20	64QAM	100	0	19.68	19.67	19.67	20.5	0		
Channel Frequency (MHz)										
15	QPSK	1	0	1717.5	1727.5	1747.5			Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	37	19.51	19.69	19.64				
15	QPSK	1	74	19.32	19.31	19.34				
15	QPSK	36	0	19.59	19.62	19.58				
15	QPSK	36	36	19.57	19.68	19.64	20.5	0		
15	QPSK	36	36	19.51	19.58	19.61				
15	QPSK	75	0	19.62	19.66	19.56				
15	16QAM	1	0	19.61	19.64	19.65				
15	16QAM	1	37	19.60	19.64	19.60	20.5	0		
15	16QAM	1	74	19.64	19.65	19.60				
15	16QAM	36	0	19.69	19.61	19.64				
15	16QAM	36	36	19.56	19.61	19.63				
15	16QAM	36	36	19.65	19.61	19.67	20.5	0		
15	16QAM	75	0	19.53	19.62	19.72				
15	64QAM	1	0	19.61	19.62	19.61				
15	64QAM	1	37	19.59	19.62	19.69				
15	64QAM	1	74	19.66	19.51	19.60	20.5	0		
15	64QAM	36	0	19.57	19.64	19.66				
15	64QAM	36	20	19.71	19.61	19.61				
15	64QAM	36	36	19.69	19.58	19.66				
15	64QAM	75	0	19.59	19.59	19.52	20.5	0		
Channel Frequency (MHz)										
10	QPSK	1	0	1745	1727.5	1720			Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	19.57	19.74	19.65				
10	QPSK	1	49	19.35	19.30	19.40				
10	QPSK	25	0	19.62	19.63	19.62				
10	QPSK	25	12	19.62	19.62	19.64	20.5	0		
10	QPSK	25	12	19.54	19.53	19.59				
10	QPSK	50	0	19.62	19.69	19.69				
10	16QAM	1	0	19.59	19.62	19.62				
10	16QAM	25	0	19.54	19.64	19.53	20.5	0		
10	16QAM	1	49	19.71	19.67	19.59				
10	16QAM	25	0	19.62	19.63	19.66				
10	16QAM	25	12	19.56	19.62	19.56				
10	16QAM	25	25	19.62	19.57	19.70	20.5	0		
10	16QAM	50	0	19.52	19.53	19.71				
10	64QAM	1	0	19.65	19.68	19.59				
10	64QAM	1	25	19.61	19.70	19.70				
10	64QAM	1	49	19.69	19.48	19.58	20.5	0		
10	64QAM	25	0	19.59	19.64	19.68				
10	64QAM	25	12	19.71	19.64	19.68				
10	64QAM	25	25	19.63	19.60	19.64				
10	64QAM	50	0	19.59	19.59	19.53	20.5	0		
Channel Frequency (MHz)										
5	QPSK	1	0	1747.5	1727.5	1727.5			Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	19.56	19.67	19.66				
5	QPSK	1	24	19.38	19.30	19.37				
5	QPSK	12	0	19.61	19.63	19.66				
5	QPSK	12	7	19.56	19.67	19.62	20.5	0		
5	QPSK	12	13	19.56	19.62	19.62				
5	QPSK	25	0	19.60	19.66	19.52				
5	16QAM	1	0	19.65	19.66	19.62				
5	16QAM	1	0	19.62	19.60	19.60	20.5	0		
5	16QAM	1	12	19.63	19.66	19.66				
5	16QAM	1	24	19.58	19.66	19.59				
5	16QAM	12	0	19.60	19.61	19.57				
5	16QAM	12	7	19.66	19.63	19.56	20.5	0		
5	16QAM	12	13	19.65	19.58	19.69				
5	16QAM	25	0	19.59	19.61	19.63				
5	64QAM	1	0	19.61	19.63	19.55				
5	64QAM	1	12	19.63	19.58	19.71	20.5	0		
5	64QAM	1	24	19.72	19.57	19.56				
5	64QAM	12	0	19.60	19.64	19.68				
5	64QAM	12	7	19.61	19.63	19.61				
5	64QAM	12	13	19.63	19.59	19.62	20.5	0		
5	64QAM	25	0	19.63	19.56	19.55				
Channel Frequency (MHz)										
3	QPSK	1	0	1747.5	1727.5	1727.5			Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	19.60	19.71	19.66				
3	QPSK	1	14	19.39	19.30	19.47				
3	QPSK	8	0	19.62	19.66	19.62				
3	QPSK	8	4	19.62	19.68	19.66	20.5	0		
3	QPSK	8	11	19.58	19.67	19.62				
3	QPSK	15	0	19.63	19.67	19.55				
3	16QAM	1	0	19.59	19.70	19.66				
3	16QAM	1	8	19.60	19.66	19.57	20.5	0		
3	16QAM	1	14	19.66	19.64	19.55				
3	16QAM	8	0	19.68	19.56	19.62				
3	16QAM	8	12	19.61	19.65	19.60				
3	16QAM	8	7	19.58	19.56	19.68	20.5	0		
3	16QAM	15	0	19.59	19.60	19.70				
3	64QAM	1	0	19.64	19.65	19.60				
3	64QAM	1	8	19.65	19.60	19.64				
3	64QAM	1	14	19.62	19.51	19.52	20.5	0		
3	64QAM	8	0	19.57	19.62	19.65				
3	64QAM	8	4	19.70	19.69	19.68				
3	64QAM	8	7	19.66	19.62	19.64				
3	64QAM	15	0	19.56	19.56	19.62	20.5	0		
Channel Frequency (MHz)										
1.4	QPSK	1	0	19957	20175	20395			Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	19.49	19.41	19.45				
1.4	QPSK	1	3	19.55	19.72	19.69				
1.4	QPSK	3	0	19.36	19.32	19.38				
1.4	QPSK	3	0	19.61	19.57	19.53	20.5	0		
1.4	QPSK	3	1	19.64	19.68	19.69				
1.4	QPSK	3	3	19.57	19.68	19.61				
1.4	QPSK	6	0	19.64	19.69	19.58				
1.4	16QAM	1	0	19.63	19.71	19.60	20.5	0		
1.4	16QAM	1	19.54	19.59	19.51					
1.4	16QAM	1	5	19.66	19.64	19.57				
1.4	16QAM	3	0	19.64	19.66	19.63				
1.4	16QAM	3	1	19.59	19.61	19.63	20.5	0		
1.4	16QAM	3	3	19.58	19.59	19.68				
1.4	16QAM	6	0	19.52	19.53	19.65				
1.4	64QAM	1	0	19.63	19.63	19.60				
1.4	64QAM	1	3	19.66	19.60	19.68	20.5	0		
1.4	64QAM	1	5	19.64	19.54	19.50				
1.4	64QAM	3	0	19.61	19.61	19.72				
1.4	64QAM	3	1	19.61	19.67	19.70				
1.4	64QAM	3	19.70	19.60	19.69	20.5	0			
1.4	64QAM	6	0	19.57	19.63			19.63		
1.4	64QAM	6	0	19.57	19.63			19.63		
1.4	64QAM	6	0	19.57	19.63			19.63		

Band 5_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 Frequency (MHz)				2400	2005	2000	24.5	0
				829	838.5	844		
10	QPSK	1	0	23.08	23.19	23.03		
10	QPSK	1	25	23.08	23.22	23.05	23.5	1
10	QPSK	1	49	23.11	23.11	22.96		
10	QPSK	25	0	22.03	22.13	22.09		
10	QPSK	25	12	22.03	22.24	22.15	23.5	1
10	QPSK	25	25	22.02	22.10	22.03		
10	QPSK	50	0	22.15	22.20	22.18		
10	16QAM	1	0	22.55	22.70	22.67	23.5	1
10	16QAM	1	25	22.76	22.77	22.75		
10	16QAM	1	49	22.89	22.73	22.60		
10	16QAM	25	0	21.05	21.07	20.95	22.5	2
10	16QAM	25	12	21.29	21.31	21.31		
10	16QAM	25	25	20.93	21.04	20.98		
10	16QAM	50	0	21.07	21.11	21.02	22.5	2
10	64QAM	1	0	21.49	21.50	21.39		
10	64QAM	1	25	21.53	21.54	21.49		
10	64QAM	1	49	21.40	21.46	21.45	21.5	3
10	64QAM	25	0	20.18	20.19	20.16		
10	64QAM	25	12	20.22	20.21	20.20		
10	64QAM	25	25	20.04	20.14	20.03	21.5	3
10	64QAM	50	0	20.17	20.22	20.16		
Channel Frequency (MHz)				2045	2055	2055	24.5	0
				829.5	838.5	846.5		
5	QPSK	1	0	23.04	23.05	22.90		
5	QPSK	1	12	23.17	23.08	22.95	23.5	1
5	QPSK	1	24	23.02	23.06	22.91		
5	QPSK	12	0	21.99	22.07	21.98		
5	QPSK	12	7	22.08	22.23	22.07	23.5	1
5	QPSK	12	13	21.92	22.00	22.00		
5	QPSK	25	0	22.06	22.07	22.05		
5	16QAM	1	0	22.50	22.61	22.59	23.5	1
5	16QAM	1	12	22.74	22.73	22.75		
5	16QAM	1	24	22.57	22.58	22.48		
5	16QAM	12	0	20.90	20.89	20.92	22.5	2
5	16QAM	12	7	21.29	21.19	21.17		
5	16QAM	12	13	20.83	20.90	20.91		
5	16QAM	25	0	20.15	20.38	20.35	22.5	2
5	64QAM	1	0	21.47	21.47	21.29		
5	64QAM	1	12	21.52	21.52	21.46		
5	64QAM	1	24	21.38	21.38	21.35	21.5	3
5	64QAM	12	0	20.09	20.07	20.12		
5	64QAM	12	7	20.13	20.12	20.11		
5	64QAM	12	13	19.94	20.03	19.89	21.5	3
5	64QAM	25	0	20.08	20.13	20.11		
Channel Frequency (MHz)				20415	20525	20535	24.5	0
				829.5	838.5	847.5		
3	QPSK	1	0	22.93	23.05	22.90		
3	QPSK	1	8	23.17	23.09	23.06	23.5	1
3	QPSK	1	14	23.02	23.11	22.90		
3	QPSK	8	0	21.93	22.10	21.99		
3	QPSK	8	4	22.17	22.16	22.14	23.5	1
3	QPSK	8	7	21.91	22.09	21.90		
3	QPSK	15	0	22.06	22.18	22.14		
3	16QAM	1	0	22.40	22.70	22.63	23.5	1
3	16QAM	1	8	22.65	22.74	22.69		
3	16QAM	1	14	22.45	22.70	22.46		
3	16QAM	8	0	21.00	21.00	20.93	22.5	2
3	16QAM	8	4	21.26	21.24	21.21		
3	16QAM	8	7	20.87	21.01	20.84		
3	16QAM	15	0	20.84	21.04	20.87	22.5	2
3	64QAM	1	0	21.48	21.48	21.30		
3	64QAM	1	8	21.51	21.50	21.43		
3	64QAM	1	14	21.32	21.33	21.32	21.5	3
3	64QAM	8	0	20.06	20.10	20.04		
3	64QAM	8	4	20.07	20.15	20.17		
3	64QAM	8	7	20.04	20.08	19.99	21.5	3
3	64QAM	15	0	20.02	20.11	20.02		
Channel Frequency (MHz)				20407	20525	20543	24.5	0
				829.7	838.5	848.3		
1.4	QPSK	1	0	23.03	23.10	23.00		
1.4	QPSK	1	3	23.20	23.09	23.02	23.5	1
1.4	QPSK	1	5	23.05	23.07	22.96		
1.4	QPSK	3	0	23.08	23.08	22.89		
1.4	QPSK	3	1	23.02	22.98	22.84	23.5	1
1.4	QPSK	3	3	23.03	23.08	22.98		
1.4	QPSK	6	0	22.04	22.17	22.04		
1.4	16QAM	1	0	22.43	22.68	22.62	22.5	2
1.4	16QAM	1	3	22.67	22.66	22.74		
1.4	16QAM	1	5	22.57	22.62	22.46		
1.4	16QAM	3	0	22.46	22.66	22.55	22.5	2
1.4	16QAM	3	1	22.43	22.58	22.56		
1.4	16QAM	3	3	22.52	22.64	22.54		
1.4	16QAM	6	0	21.07	21.00	20.99	22.5	2
1.4	16QAM	1	0	21.47	21.35	21.31		
1.4	64QAM	1	3	21.47	21.44	21.43		
1.4	64QAM	1	5	21.31	21.45	21.41	21.5	3
1.4	64QAM	3	0	21.07	21.05	20.99		
1.4	64QAM	3	1	21.07	21.08	21.01		
1.4	64QAM	3	3	21.05	20.99	21.02	21.5	3
1.4	64QAM	6	0	20.15	20.15	20.14		

Band 5_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 Frequency (MHz)							24	0
10	QPSK	1	0	22.93	22.78	22.92		
10	QPSK	1	25	21.05	23.05	22.98		
10	QPSK	1	49	22.88	22.86	22.75	23	1
10	QPSK	25	0	21.88	21.92	21.8		
10	QPSK	25	12	21.05	22.13	21.95		
10	QPSK	25	25	22.01	21.84	21.66	23	1
10	QPSK	50	0	22.02	22.08	22.05		
10	16QAM	1	0	21.97	22.08	22.13		
10	16QAM	1	25	22.1	22.15	22.13	22	2
10	16QAM	1	49	22.16	22.02	22.23		
10	16QAM	25	0	21.05	21.04	20.88		
10	16QAM	25	12	20.96	21.03	20.98	22	2
10	16QAM	25	25	20.8	20.9	20.68		
10	16QAM	50	0	20.96	20.95	20.9		
10	64QAM	1	0	20.95	21.27	21.33	22	2
10	64QAM	1	25	21.41	21.37	21.18		
10	64QAM	1	49	20.93	20.95	20.94		
10	64QAM	25	0	19.96	20.02	19.94	21	3
10	64QAM	25	12	20.1	20.12	20.03		
10	64QAM	25	25	19.98	19.96	19.74		
10	64QAM	50	0	19.9	20.05	19.8	24	0
Channel Frequency (MHz)								
5	QPSK	1	0	22.78	22.71	22.82		
5	QPSK	1	12	22.98	22.86	22.81	23	1
5	QPSK	1	24	22.94	22.80	22.75		
5	QPSK	12	0	21.81	21.88	21.77		
5	QPSK	12	7	21.97	22.00	21.83	23	1
5	QPSK	12	13	21.93	21.81	21.60		
5	QPSK	25	0	21.80	21.96	21.82		
5	16QAM	1	0	21.83	22.05	22.02	23	1
5	16QAM	1	12	22.01	22.08	22.10		
5	16QAM	1	24	22.03	21.98	22.08		
5	16QAM	12	0	20.91	20.80	20.74	22	2
5	16QAM	12	7	20.86	20.89	20.92		
5	16QAM	12	13	20.80	20.80	20.67		
5	16QAM	25	0	20.95	20.93	20.79	22	2
5	64QAM	1	0	20.95	21.19	21.30		
5	64QAM	1	12	21.27	21.34	21.07		
5	64QAM	1	24	20.80	20.82	20.81	21	3
5	64QAM	12	0	19.82	19.85	19.85		
5	64QAM	12	7	19.95	20.04	19.98		
5	64QAM	12	13	19.88	19.92	19.69	21	3
5	64QAM	25	0	19.81	19.88	19.69		
Channel Frequency (MHz)								
3	QPSK	1	0	22.85	22.73	22.85	24	0
3	QPSK	1	8	22.90	22.97	22.80		
3	QPSK	1	14	22.88	22.76	22.60		
3	QPSK	8	0	21.77	21.80	21.67	23	1
3	QPSK	8	4	21.99	22.10	21.79		
3	QPSK	8	7	21.91	21.83	21.65		
3	16QAM	15	0	21.86	22.04	21.80	23	1
3	16QAM	1	0	21.84	22.05	22.04		
3	16QAM	1	8	22.08	22.15	22.08		
3	16QAM	1	14	22.15	21.88	22.15	22	2
3	16QAM	8	0	21.04	20.99	20.74		
3	16QAM	8	4	20.89	20.93	20.83		
3	16QAM	8	7	20.74	20.78	20.69	22	2
3	16QAM	15	0	20.88	20.85	20.68		
3	64QAM	1	0	20.95	21.23	21.29		
3	64QAM	1	8	21.41	21.33	21.04	22	2
3	64QAM	1	14	20.91	20.93	20.89		
3	64QAM	8	0	19.89	20.00	19.86		
3	64QAM	8	4	20.08	20.08	19.93	21	3
3	64QAM	8	7	19.90	19.95	19.73		
3	64QAM	15	0	19.89	20.01	19.80		
Channel Frequency (MHz)								
1.4	QPSK	1	0	22.90	22.85	22.81	24	0
1.4	QPSK	1	3	22.93	23.05	22.84		
1.4	QPSK	1	14	22.87	22.74	22.65		
1.4	QPSK	3	0	22.85	22.75	22.75	23	1
1.4	QPSK	3	1	22.95	22.82	22.73		
1.4	QPSK	3	3	22.82	22.84	22.74		
1.4	QPSK	6	0	21.89	21.90	21.90	23	1
1.4	QPSK	1	0	21.93	21.99	22.11		
1.4	16QAM	1	1	21.95	22.05	22.05		
1.4	16QAM	1	5	21.90	22.08	21.88	23	1
1.4	16QAM	3	0	21.98	22.07	21.81		
1.4	16QAM	3	1	21.94	21.94	21.75		
1.4	16QAM	3	3	21.88	22.08	21.85	22	2
1.4	16QAM	6	0	20.83	20.86	20.74		
1.4	64QAM	1	0	20.91	21.13	21.23		
1.4	64QAM	1	3	21.03	21.02	20.75	22	2
1.4	64QAM	1	5	21.00	21.04	20.82		
1.4	64QAM	3	0	20.98	20.90	20.79		
1.4	64QAM	3	1	20.91	20.92	20.88	21	3
1.4	64QAM	3	3	21.05	20.97	20.80		
1.4	64QAM	6	0	19.96	19.95	19.65		

Band 7_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				21100	21100	21300	15.5	0	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	14.67	14.65	14.48			
20	QPSK	1	49	14.93	14.94	14.87	15.5	0	
20	QPSK	1	99	14.72	14.81	14.61			
20	QPSK	50	0	14.81	14.84	14.65			
20	QPSK	50	24	14.83	14.90	14.81	15.5	0	
20	QPSK	50	50	14.78	14.86	14.63			
20	QPSK	100	0	14.85	14.89	14.77			
20	16QAM	1	0	14.83	14.82	14.85	15.5	0	
20	16QAM	1	49	14.89	14.87	14.81			
20	16QAM	1	99	14.78	14.63	14.85			
20	16QAM	50	0	14.79	14.81	14.85	15.5	0	
20	16QAM	50	24	14.78	14.92	14.79			
20	16QAM	50	50	14.85	14.74	14.90			
20	16QAM	100	0	14.79	14.88	14.70	15.5	0	
20	64QAM	1	0	14.78	14.73	14.84			
20	64QAM	1	49	14.83	14.90	14.83		15.5	0
20	64QAM	1	99	14.92	14.77	14.82			
20	64QAM	50	0	14.87	14.82	14.70	15.5	0	
20	64QAM	50	24	14.89	14.77	14.82			
20	64QAM	50	50	14.85	14.84	14.88			
20	64QAM	100	0	14.77	14.84	14.75	Tune-up limit (dBm)	MPR (dB)	
Channel				20925	21100	21375			
Frequency (MHz)				2507.5	2535	2550.5			
15	QPSK	1	0	14.64	14.61	14.43	15.5	0	
15	QPSK	1	37	14.77	14.69	14.83			
15	QPSK	1	74	14.62	14.72	14.56			
15	QPSK	36	0	14.73	14.77	14.55	15.5	0	
15	QPSK	36	20	14.80	14.78	14.80			
15	QPSK	36	39	14.75	14.82	14.55			
15	QPSK	75	0	14.77	14.81	14.73	15.5	0	
15	16QAM	1	0	14.73	14.82	14.82			
15	16QAM	1	37	14.86	14.83	14.72		15.5	0
15	16QAM	1	74	14.68	14.58	14.59			
15	16QAM	36	0	14.74	14.73	14.63	15.5	0	
15	16QAM	36	20	14.73	14.84	14.73			
15	16QAM	36	39	14.74	14.68	14.70			
15	16QAM	75	0	14.69	14.62	14.61	15.5	0	
15	64QAM	1	0	14.70	14.66	14.72			
15	64QAM	1	37	14.80	14.83	14.78		15.5	0
15	64QAM	1	74	14.87	14.72	14.70			
15	64QAM	36	0	14.78	14.70	14.86	15.5	0	
15	64QAM	36	20	14.78	14.73	14.80			
15	64QAM	36	39	14.73	14.73	14.81			
15	64QAM	75	0	14.68	14.72	14.72	Tune-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
Frequency (MHz)				2205	2235	2265			
10	QPSK	1	0	14.62	14.56	14.45	15.5	0	
10	QPSK	1	25	14.73	14.89	14.83			
10	QPSK	1	49	14.65	14.73	14.53			
10	QPSK	25	0	14.73	14.81	14.60	15.5	0	
10	QPSK	25	12	14.75	14.87	14.82			
10	QPSK	25	25	14.68	14.74	14.51			
10	QPSK	50	0	14.73	14.86	14.65	15.5	0	
10	16QAM	1	0	14.78	14.86	14.76			
10	16QAM	1	25	14.78	14.82	14.89		15.5	0
10	16QAM	1	49	14.66	14.60	14.63			
10	16QAM	25	0	14.70	14.77	14.53	15.5	0	
10	16QAM	25	12	14.71	14.80	14.77			
10	16QAM	25	25	14.79	14.68	14.74		15.5	0
10	16QAM	50	0	14.67	14.63	14.68			
10	64QAM	1	0	14.74	14.70	14.73	15.5	0	
10	64QAM	1	25	14.80	14.86	14.81			
10	64QAM	1	49	14.69	14.68	14.78		15.5	0
10	64QAM	25	0	14.76	14.73	14.64			
10	64QAM	25	12	14.84	14.75	14.74		15.5	0
10	64QAM	25	25	14.74	14.74	14.80			
10	64QAM	50	0	14.69	14.76	14.68	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2202.5	2235	2267.5			
5	QPSK	1	0	14.65	14.54	14.38	15.5	0	
5	QPSK	1	12	14.76	14.86	14.77			
5	QPSK	1	24	14.67	14.72	14.53			
5	QPSK	12	0	14.74	14.73	14.53	15.5	0	
5	QPSK	12	7	14.72	14.88	14.81			
5	QPSK	12	13	14.76	14.74	14.55			
5	QPSK	25	0	14.78	14.77	14.70	15.5	0	
5	16QAM	1	0	14.71	14.89	14.74			
5	16QAM	1	12	14.85	14.79	14.71		15.5	0
5	16QAM	1	24	14.74	14.61	14.62			
5	16QAM	12	0	14.71	14.77	14.54	15.5	0	
5	16QAM	12	7	14.76	14.86	14.67			
5	16QAM	12	13	14.77	14.67	14.89		15.5	0
5	16QAM	25	0	14.70	14.79	14.62			
5	16QAM	25	0	14.75	14.61	14.73	15.5	0	
5	64QAM	1	12	14.71	14.82	14.76			
5	64QAM	1	24	14.82	14.73	14.73		15.5	0
5	64QAM	12	0	14.83	14.77	14.68			
5	64QAM	12	7	14.77	14.65	14.70	15.5	0	
5	64QAM	12	13	14.75	14.82	14.78			
5	64QAM	25	0	14.75	14.61	14.68			

Band 7_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				20850	21100	21350	22	0	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	21.02	21.04	21.06			
20	QPSK	1	49	21.13	21.15	21.10	22	0	
20	QPSK	1	99	21.03	21.01	21.03			
20	QPSK	50	0	20.91	21.07	20.82		22	0
20	QPSK	50	24	21.11	21.13	21.10			
20	QPSK	50	50	21.09	21.04	20.97	22	0	
20	QPSK	100	0	21.07	21.12	21.08			
20	16QAM	1	0	21.01	21.04	20.99		22	0
20	16QAM	1	49	21.06	21.00	21.01			
20	16QAM	1	99	21.05	21.10	21.04		22	0
20	16QAM	50	0	21.10	21.11	21.07			
20	16QAM	50	24	21.05	21.10	21.10	22	0	
20	16QAM	50	50	21.12	21.08	21.06			
20	16QAM	100	0	21.05	21.08	21.08		22	0
20	64QAM	1	0	21.05	21.06	21.07			
20	64QAM	1	49	21.12	21.08	21.09	22	0	
20	64QAM	1	99	21.12	21.12	21.07			
20	64QAM	50	0	20.27	20.28	20.19		21	1
20	64QAM	50	24	20.25	20.46	20.22			
20	64QAM	50	50	20.37	20.33	20.16			
20	64QAM	100	0	20.28	20.47	20.18	Tune-up limit (dBm)	MPR (dB)	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2552.5			
15	QPSK	1	0	20.92	20.95	21.04	22	0	
15	QPSK	1	37	21.03	21.06	21.02			
15	QPSK	1	74	21.00	20.90	20.97		22	0
15	QPSK	36	0	20.85	21.00	20.72			
15	QPSK	36	20	21.05	21.06	20.87	22	0	
15	QPSK	36	39	21.04	20.96	20.93			
15	QPSK	75	0	21.00	21.09	21.05		22	0
15	16QAM	1	0	20.98	20.92	20.89			
15	16QAM	1	37	21.02	20.90	20.92		22	0
15	16QAM	1	74	21.02	21.04	20.95			
15	16QAM	36	0	21.02	20.99	20.99	22	0	
15	16QAM	36	20	21.02	21.08	21.02			
15	16QAM	36	39	21.05	21.00	20.95		21	1
15	16QAM	75	0	20.95	21.02	21.02			
15	64QAM	1	0	20.95	20.95	20.98	22	0	
15	64QAM	1	37	21.01	20.97	21.04			
15	64QAM	1	74	21.06	21.01	21.00		21	1
15	64QAM	36	0	20.24	20.26	20.13	21	1	
15	64QAM	36	20	20.20	20.28	20.18			
15	64QAM	36	39	20.28	20.28	20.14			
15	64QAM	75	0	20.16	20.42	20.11			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.92	20.96	21.00			
10	QPSK	1	25	21.02	21.10	21.05	22	0	
10	QPSK	1	49	20.97	20.98	20.95			
10	QPSK	25	0	20.88	21.01	20.78		22	0
10	QPSK	25	12	21.07	21.08	20.87			
10	QPSK	25	25	20.98	20.96	20.85	22	0	
10	QPSK	50	0	21.00	20.95	20.85			
10	16QAM	1	0	20.90	20.90	20.87		22	0
10	16QAM	1	25	20.96	20.95	20.97			
10	16QAM	1	49	21.05	21.07	20.98		22	0
10	16QAM	25	0	21.00	21.00	21.00			
10	16QAM	25	12	21.03	21.04	21.06	22	0	
10	16QAM	25	25	21.02	21.04	20.98			
10	16QAM	50	0	20.98	21.06	20.98		22	0
10	64QAM	1	0	21.00	21.00	21.04			
10	64QAM	1	25	21.03	20.99	20.99	22	0	
10	64QAM	1	49	21.08	21.03	21.02			
10	64QAM	25	0	20.19	20.25	20.12			
10	64QAM	25	12	20.23	20.11	20.17			
10	64QAM	25	25	20.33	20.22	20.09			
10	64QAM	50	0	20.23	20.45	20.12	21	1	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.90	20.99	20.97	22	0	
5	QPSK	1	12	21.05	21.08	21.02			
5	QPSK	1	24	20.94	20.99	21.00		22	0
5	QPSK	12	0	20.80	21.04	20.74			
5	QPSK	12	7	21.05	21.05	20.88	22	0	
5	QPSK	12	13	21.07	21.02	20.88			
5	QPSK	25	0	20.97	21.08	21.05		22	0
5	16QAM	1	0	20.93	20.94	20.95			
5	16QAM	12	1	20.96	20.93	20.89		22	0
5	16QAM	1	24	21.02	21.06	20.97			
5	16QAM	12	0	21.07	21.08	21.05	22	0	
5	16QAM	12	12	20.98	20.99	21.05			
5	16QAM	12	13	21.04	21.00	20.94		22	0
5	16QAM	25	0	20.95	21.02	20.95			
5	64QAM	1	0	21.02	20.95	20.95	22	0	
5	64QAM	1	12	21.10	20.97	20.99			
5	64QAM	1	24	21.02	21.00	20.97			
5	64QAM	12	0	20.17	20.24	20.15			
5	64QAM	12	7	20.23	20.39	20.14			
5	64QAM	12	13	20.28	20.28	20.11	21	1	
5	64QAM	12	25	20.20	20.44	20.13			

Band 12_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 Frequency (MHz)									
				23000	23005	23130			
				704	707.5	711			
10	QPSK	1	0	22.80	22.72	22.84	24	0	
10	QPSK	1	25	22.98	23.01	22.93			
10	QPSK	1	49	22.93	23.03	22.89			
10	QPSK	25	0	21.66	21.83	21.80	23	1	
10	QPSK	25	12	21.68	21.88	21.80			
10	QPSK	25	25	21.80	21.87	21.83			
10	QPSK	50	0	21.79	21.98	21.95	23	1	
10	16QAM	1	0	21.74	22.37	22.08			
10	16QAM	1	25	22.11	22.11	22.57			
10	16QAM	25	0	22.92	22.98	22.73	22	2	
10	16QAM	25	12	20.72	20.98	20.84			
10	16QAM	25	25	21.00	20.92	20.94			
10	16QAM	50	0	20.96	20.92	20.79	22	2	
10	16QAM	50	0	20.84	20.88	20.90			
10	64QAM	1	0	20.86	21.22	21.22			
10	64QAM	1	25	21.37	21.40	21.35	22	2	
10	64QAM	1	49	21.33	21.14	20.96			
10	64QAM	25	0	19.82	19.93	19.86			
10	64QAM	25	12	20.10	20.06	19.99	21	3	
10	64QAM	25	25	19.99	19.94	19.94			
10	64QAM	50	0	19.95	19.94	20.00			
Channel Frequency (MHz)									
				23005	23005	23155			
				701.5	707.5	713.5			
5	QPSK	1	0	22.73	22.64	22.76	24	0	
5	QPSK	1	12	22.83	22.86	22.87			
5	QPSK	1	24	22.89	22.71	22.87			
5	QPSK	12	0	21.54	21.74	21.65	23	1	
5	QPSK	12	7	21.66	21.74	21.68			
5	QPSK	12	13	21.69	21.84	21.73			
5	QPSK	25	0	21.71	21.98	21.85	23	1	
5	16QAM	1	0	21.72	22.32	21.99			
5	16QAM	1	12	21.97	22.06	22.45			
5	16QAM	1	24	22.41	22.41	22.07	22	2	
5	16QAM	12	0	20.66	20.63	20.71			
5	16QAM	12	7	20.91	20.92	20.79			
5	16QAM	12	13	20.90	20.92	20.66	22	2	
5	16QAM	25	0	20.81	20.78	20.83			
5	64QAM	1	0	20.84	21.10	21.12			
5	64QAM	1	12	21.28	21.27	21.33	22	2	
5	64QAM	1	24	21.31	21.09	20.95			
5	64QAM	12	0	19.82	19.82	19.84			
5	64QAM	12	7	19.97	19.96	19.88	21	3	
5	64QAM	12	13	19.87	19.89	19.80			
5	64QAM	25	0	19.83	19.89	19.85			
Channel Frequency (MHz)									
				23025	23095	23165			
				701.5	707.5	714.5			
3	QPSK	1	0	22.77	22.62	22.78	24	0	
3	QPSK	1	8	22.91	22.58	22.78			
3	QPSK	1	14	22.78	22.75	22.80			
3	QPSK	8	0	21.83	21.80	21.74	23	1	
3	QPSK	8	4	21.85	21.75	21.75			
3	QPSK	8	7	21.67	21.82	21.74			
3	QPSK	15	0	21.78	21.85	21.90	23	1	
3	16QAM	1	0	21.70	22.28	22.04			
3	16QAM	1	8	21.96	22.06	22.54			
3	16QAM	1	14	22.46	22.38	22.08	22	2	
3	16QAM	8	0	20.57	20.90	20.72			
3	16QAM	8	4	20.87	20.81	20.90			
3	16QAM	8	7	20.94	20.88	20.79	22	2	
3	16QAM	15	0	20.82	20.82	20.90			
3	64QAM	1	0	20.80	21.16	21.13			
3	64QAM	1	8	21.37	21.30	21.23	22	2	
3	64QAM	1	14	21.33	21.02	20.84			
3	64QAM	8	0	19.87	19.88	19.83			
3	64QAM	8	4	20.04	19.94	19.85	21	3	
3	64QAM	8	7	19.86	19.89	19.84			
3	64QAM	15	0	19.85	19.93	19.90			
Channel Frequency (MHz)									
				23017	23095	23173			
				699.7	707.5	715.3			
1.4	QPSK	1	0	22.70	22.74	22.81	24	0	
1.4	QPSK	1	3	22.80	22.81	22.85			
1.4	QPSK	1	5	22.80	22.65	22.72			
1.4	QPSK	3	0	22.79	22.82	22.71	23	1	
1.4	QPSK	3	1	22.69	22.83	22.74			
1.4	QPSK	3	3	22.81	22.82	22.70			
1.4	QPSK	6	0	21.82	21.87	21.88	23	1	
1.4	16QAM	1	0	22.27	21.89	21.92			
1.4	16QAM	1	3	22.19	22.19	21.95			
1.4	16QAM	1	5	21.94	21.97	21.87	23	1	
1.4	16QAM	3	0	21.70	21.77	21.78			
1.4	16QAM	3	1	21.83	21.93	21.91			
1.4	16QAM	3	3	21.84	21.73	21.92	22	2	
1.4	16QAM	6	0	21.07	21.05	20.99			
1.4	16QAM	1	0	21.25	21.03	20.85			
1.4	64QAM	1	3	21.24	20.89	20.94	22	2	
1.4	64QAM	1	5	20.90	21.05	21.19			
1.4	64QAM	3	0	20.95	21.23	21.24			
1.4	64QAM	3	1	21.10	20.76	21.13	21	3	
1.4	64QAM	3	3	21.07	21.12	20.99			
1.4	64QAM	6	0	19.95	19.95	19.94			

Band 12_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 Frequency (MHz)								
				23000	23005	23130		
				704	707.5	711		
10	QPSK	1	0	22.71	22.81	22.85	24	0
10	QPSK	1	25	22.68	22.82	22.83		
10	QPSK	1	49	22.83	22.82	22.82		
10	QPSK	25	0	21.53	21.85	21.84	23	1
10	QPSK	25	12	21.74	21.83	21.78		
10	QPSK	25	25	21.73	21.88	21.86		
10	QPSK	50	0	21.86	21.75	21.73	23	1
10	16QAM	1	0	22.08	22.17	22.04		
10	16QAM	1	25	22.34	22.42	22.01		
10	16QAM	25	0	22.04	22.29	22.07	22	2
10	16QAM	25	12	20.70	20.66	20.82		
10	16QAM	25	12	20.86	20.85	20.79		
10	16QAM	25	25	20.94	20.84	20.77	22	2
10	16QAM	50	0	20.71	20.83	20.76		
10	64QAM	1	0	20.92	21.00	21.09		
10	64QAM	1	25	21.05	20.91	20.91	22	2
10	64QAM	1	49	20.93	20.94	20.85		
10	64QAM	25	0	19.88	19.79	19.75		
10	64QAM	25	12	19.91	19.90	19.81	21	3
10	64QAM	25	25	19.88	19.90	19.83		
10	64QAM	50	0	19.74	19.80	19.86		
Channel Frequency (MHz)				23005	23095	23195	Tune-up limit (dBm)	MPR (dB)
				701.5	707.5	713.5		
5	QPSK	1	0	22.57	22.80	22.58	24	0
5	QPSK	1	12	22.76	22.83	22.83		
5	QPSK	1	24	22.73	22.81	22.71		
5	QPSK	12	0	21.42	21.84	21.64	23	1
5	QPSK	12	7	21.69	21.69	21.76		
5	QPSK	12	13	21.71	21.63	21.51		
5	QPSK	25	0	21.53	21.72	21.71	23	1
5	16QAM	1	12	21.96	22.06	22.00		
5	16QAM	1	12	22.24	22.41	21.95		
5	16QAM	1	24	21.95	22.23	22.06	22	2
5	16QAM	12	0	20.58	20.51	20.68		
5	16QAM	12	7	20.76	20.73	20.74		
5	16QAM	12	13	20.75	20.78	20.72	22	2
5	16QAM	25	0	20.17	20.77	20.61		
5	64QAM	1	0	20.81	20.90	21.02		
5	64QAM	1	12	20.92	20.84	20.77	22	2
5	64QAM	1	24	20.86	20.79	20.79		
5	64QAM	12	0	19.55	19.69	19.70		
5	64QAM	12	7	19.77	19.81	19.78	21	3
5	64QAM	12	13	19.79	19.80	19.80		
5	64QAM	25	0	19.74	19.71	19.71		
Channel Frequency (MHz)				23005	23095	23186	Tune-up limit (dBm)	MPR (dB)
				707.5	707.5	714.5		
3	QPSK	1	0	22.68	22.82	22.62	24	0
3	QPSK	1	8	22.85	22.82	22.85		
3	QPSK	1	14	22.81	22.78	22.77		
3	QPSK	8	0	21.41	21.63	21.58	23	1
3	QPSK	8	4	21.68	21.72	21.68		
3	QPSK	8	7	21.61	21.56	21.61		
3	16QAM	15	0	21.84	21.86	21.82	23	1
3	16QAM	1	0	22.01	22.11	21.96		
3	16QAM	1	8	22.19	22.31	21.98		
3	16QAM	1	14	21.88	21.83	21.88	22	2
3	16QAM	8	0	20.55	20.64	20.82		
3	16QAM	8	4	20.84	20.84	20.69		
3	16QAM	8	7	20.83	20.71	20.69	22	2
3	16QAM	15	0	20.69	20.83	20.64		
3	64QAM	1	0	20.82	20.95	21.05		
3	64QAM	1	8	21.00	20.80	20.80	22	2
3	64QAM	1	14	20.85	20.82	20.81		
3	64QAM	8	0	19.64	19.70	19.71		
3	64QAM	8	4	19.37	19.77	19.80	21	3
3	64QAM	8	7	19.82	19.85	19.85		
3	64QAM	15	0	19.59	19.80	19.76		
Channel Frequency (MHz)				23017	23097	23173	Tune-up limit (dBm)	MPR (dB)
				699.7	707.5	715.3		
1.4	QPSK	1	0	22.70	22.57	22.62	24	0
1.4	QPSK	1	3	22.73	22.50	22.83		
1.4	QPSK	1	6	22.68	22.73	22.73		
1.4	QPSK	3	0	22.70	22.72	22.71	23	1
1.4	QPSK	3	1	22.82	22.82	22.74		
1.4	QPSK	3	3	22.76	22.80	22.68		
1.4	QPSK	6	0	21.70	21.81	21.64	23	1
1.4	QPSK	1	0	22.00	22.05	21.91		
1.4	16QAM	1	22	22.28	22.38	21.86		
1.4	16QAM	1	5	22.02	22.29	22.04	23	1
1.4	16QAM	3	0	21.99	22.03	22.02		
1.4	16QAM	3	22	22.03	22.11	21.85		
1.4	16QAM	3	3	21.99	22.13	22.03	22	2
1.4	64QAM	6	0	20.81	20.90	20.82		
1.4	64QAM	6	0	20.90	20.90	20.87		
1.4	64QAM	1	3	20.95	20.79	20.88	22	2
1.4	64QAM	1	5	20.81	20.94	20.72		
1.4	64QAM	3	1	20.83	20.94	21.06		
1.4	64QAM	3	1	20.86	20.99	20.96	21	3
1.4	64QAM	3	3	20.77	20.88	21.06		
1.4	64QAM	6	1	19.68	19.69	19.71		



Band 13_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 Frequency (MHz)				23200			Tune-up limit (dBm)	MPR (dB)	
				762					
10	QPSK	1	0		23.01		24	0	
10	QPSK	1	25		23.05				
10	QPSK	1	49		22.98				
10	QPSK	25	0		21.80		23	1	
10	QPSK	25	12		21.88				
10	QPSK	25	25		21.89				
10	QPSK	50	0		21.95		23	1	
10	16QAM	1	0		22.25				
10	16QAM	1	25		22.37				
10	16QAM	1	49		22.43		22	2	
10	16QAM	25	0		20.96				
10	16QAM	25	12		21.15				
10	16QAM	25	25		20.96		22	2	
10	16QAM	50	0		20.96				
10	64QAM	1	0		21.15				
10	64QAM	1	25		21.08		22	2	
10	64QAM	1	49		21.32				
10	64QAM	25	0		19.90				
10	64QAM	25	12		20.08		21	3	
10	64QAM	25	25		19.94				
10	64QAM	50	0		19.95				
Channel Frequency (MHz)				23205	23200	23255	Tune-up limit (dBm)	MPR (dB)	
				779.5	762	764.5			
5	QPSK	1	0	22.99	22.95	22.96	24	0	
5	QPSK	1	12	22.86	22.80	22.83			
5	QPSK	1	24	22.97	22.83	22.96			
5	QPSK	12	0	21.79	21.72	21.76	23	1	
5	QPSK	12	7	21.96	21.87	21.86			
5	QPSK	12	13	21.84	21.76	21.89			
5	QPSK	25	0	21.88	21.77	21.84	23	1	
5	16QAM	1	0	22.21	22.20	22.12			
5	16QAM	1	12	22.37	22.29	22.27			
5	16QAM	1	24	22.32	22.28	22.37	22	2	
5	16QAM	12	0	20.72	20.64	20.73			
5	16QAM	12	7	21.01	21.11	21.10			
5	16QAM	12	13	20.88	20.83	20.88	22	2	
5	16QAM	25	0	20.95	20.88	20.85			
5	64QAM	1	0	21.00	21.10	21.07			
5	64QAM	1	12	21.06	21.04	21.06	22	2	
5	64QAM	1	24	21.22	21.15	21.24			
5	64QAM	12	0	19.90	19.82	19.89			
5	64QAM	12	7	20.02	19.97	20.02	21	3	
5	64QAM	12	13	19.91	19.85	19.94			
5	64QAM	25	0	19.80	19.80	19.75			

Band 13_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 Frequency (MHz)				23200			Tune-up limit (dbm)	MPR (db)	
Channel Frequency (MHz)				762					
10	QPSK	1	0		22.83		24	0	
10	QPSK	1	25		22.88				
10	QPSK	1	49		22.85				
10	QPSK	25	0		21.67		23	1	
10	QPSK	25	12		21.67				
10	QPSK	25	25		21.74				
10	QPSK	50	0		21.76		23	1	
10	16QAM	1	0		21.98				
10	16QAM	1	25		22.01				
10	16QAM	1	49		21.95		22	2	
10	16QAM	25	0		20.75				
10	16QAM	25	12		20.79				
10	16QAM	25	25		20.68		22	2	
10	16QAM	50	0		20.78				
10	64QAM	1	0		21.06				
10	64QAM	1	25		21.16		22	2	
10	64QAM	1	49		20.94				
10	64QAM	25	0		19.85				
10	64QAM	25	12		19.98		21	3	
10	64QAM	25	25		19.73				
10	64QAM	50	0		19.76				
Channel Frequency (MHz)				23205	23200	23255	Tune-up limit (dbm)	MPR (db)	
Channel Frequency (MHz)				779.5	762	764.5			
5	QPSK	1	0	22.82	22.73	22.83	24	0	
5	QPSK	1	12	22.81	22.85	22.74			
5	QPSK	1	24	22.72	22.80	22.79			
5	QPSK	12	0	21.53	21.81	21.60	23	1	
5	QPSK	12	7	21.85	21.87	21.85			
5	QPSK	12	13	21.05	21.73	21.67			
5	QPSK	25	0	21.75	21.65	21.62	23	1	
5	16QAM	1	0	21.93	21.85	21.89			
5	16QAM	1	12	21.94	21.87	21.91			
5	16QAM	1	24	21.91	21.89	21.89	22	2	
5	16QAM	12	0	20.70	20.66	20.69			
5	16QAM	12	7	20.64	20.68	20.76			
5	16QAM	12	13	20.57	20.67	20.58	22	2	
5	16QAM	25	0	20.77	20.75	20.76			
5	64QAM	1	0	21.04	21.02	21.05			
5	64QAM	1	12	21.16	21.06	21.16	22	2	
5	64QAM	1	24	20.65	20.91	20.82			
5	64QAM	12	0	19.70	19.71	19.79			
5	64QAM	12	7	19.85	19.74	19.78	21	3	
5	64QAM	12	13	19.72	19.69	19.64			
5	64QAM	25	0	19.67	19.66	19.75			

Band 17_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				23760	23760	23880	24	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.73	22.85	22.86		
10	QPSK	1	25	22.81	22.85	22.86	23	1
10	QPSK	1	49	22.86	22.86	22.93		
10	QPSK	25	0	21.80	21.77	21.72		
10	QPSK	25	12	21.83	21.80	21.83	23	1
10	QPSK	25	25	21.81	21.84	21.75		
10	QPSK	50	0	21.81	21.88	21.78		
10	16QAM	1	0	22.08	22.04	22.35	23	1
10	16QAM	1	25	22.49	22.05	22.05		
10	16QAM	1	49	22.35	22.05	22.23		
10	16QAM	25	0	20.86	20.82	20.77	22	2
10	16QAM	25	12	20.88	20.94	20.87		
10	16QAM	25	25	21.00	20.84	20.84		
10	16QAM	50	0	20.81	20.83	20.83	22	2
10	64QAM	1	0	21.19	21.18	21.14		
10	64QAM	1	25	21.39	21.27	21.21		21
10	64QAM	1	49	21.12	21.16	21.09		
10	64QAM	25	0	19.94	19.88	19.89		
10	64QAM	25	12	20.00	19.92	19.98	21	3
10	64QAM	25	25	19.95	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83		
Channel				23765	23760	23825	24	0
Frequency (MHz)				709.5	710	713.5		
5	QPSK	1	0	22.58	22.72	22.86		
5	QPSK	1	12	22.87	22.86	22.86	23	1
5	QPSK	1	24	22.74	22.78	22.85		
5	QPSK	12	0	21.74	21.7	21.67		
5	QPSK	12	7	21.75	21.78	21.8	23	1
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.76	21.82	21.68		
5	16QAM	1	0	22.04	22.01	22.28	23	1
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14		
5	16QAM	12	0	20.79	20.69	20.74	22	2
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82		
5	16QAM	25	0	20.76	20.68	20.68	22	2
5	64QAM	1	0	21.11	21.09	21.09		
5	64QAM	1	12	21.32	21.18	21.07		21
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76		
5	64QAM	12	7	19.98	19.86	19.84	21	3
5	64QAM	12	13	19.8	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 17_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				23760	23760	23880	24	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.69	22.72	22.82		
10	QPSK	1	25	22.81	22.88	22.82	23	1
10	QPSK	1	49	22.72	22.70	22.75		
10	QPSK	25	0	21.64	21.73	21.59		
10	QPSK	25	12	21.73	21.78	21.77	23	1
10	QPSK	25	25	21.69	21.74	21.64		
10	QPSK	50	0	21.70	21.72	21.66		
10	16QAM	1	0	21.80	22.07	22.15	23	1
10	16QAM	1	25	21.76	22.04	21.89		
10	16QAM	1	49	22.10	22.09	21.91		
10	16QAM	25	0	20.78	20.73	20.73	22	2
10	16QAM	25	12	20.79	20.79	20.76		
10	16QAM	25	25	20.79	20.72	20.71		
10	16QAM	50	0	20.81	20.78	20.71	22	2
10	64QAM	1	0	20.92	20.73	21.10		
10	64QAM	1	25	20.91	21.18	20.96		21
10	64QAM	1	49	20.79	20.93	21.08		
10	64QAM	25	0	19.76	19.80	19.76		
10	64QAM	25	12	19.86	19.90	19.89	21	3
10	64QAM	25	25	19.87	19.83	19.67		
10	64QAM	50	0	19.89	19.79	19.69		
Channel				23765	23760	23826	24	0
Frequency (MHz)				709.5	710	713.5		
5	QPSK	1	0	22.64	22.82	22.80		
5	QPSK	1	12	22.71	22.80	22.79	23	1
5	QPSK	1	24	22.57	22.81	22.8		
5	QPSK	12	0	21.60	21.71	21.45		
5	QPSK	12	7	21.59	21.72	21.64	23	1
5	QPSK	12	13	21.62	21.69	21.62		
5	QPSK	25	0	21.66	21.69	21.53		
5	16QAM	1	0	21.69	22.03	22.13	23	1
5	16QAM	1	12	21.64	21.94	21.81		
5	16QAM	1	24	22.03	22.07	21.88		
5	16QAM	12	0	20.66	20.70	20.68	22	2
5	16QAM	12	7	20.75	20.74	20.72		
5	16QAM	12	13	20.85	20.69	20.68		
5	16QAM	25	0	20.73	20.77	20.68	22	2
5	64QAM	1	0	20.80	20.81	21.09		
5	64QAM	1	12	20.84	21.08	20.92		21
5	64QAM	1	24	20.64	20.81	21.05		
5	64QAM	12	0	19.72	19.78	19.65		
5	64QAM	12	7	19.93	19.78	19.78	21	3
5	64QAM	12	13	19.68	19.68	19.61		
5	64QAM	25	0	19.79	19.68	19.61		

Band 18_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 Frequency (MHz)				23600	23625	23650				
15	QPSK	1	0		22.97		24.5	0		
15	QPSK	1	37		23.20					
15	QPSK	1	74		23.00					
15	QPSK	36	0		22.12		23.5	1		
15	QPSK	36	20		22.31					
15	QPSK	36	39		22.25					
15	QPSK	75	0		22.23		23.5	1		
15	16QAM	1	0		22.24					
15	16QAM	1	37		22.51					
15	16QAM	1	74		22.53		22.5	2		
15	16QAM	36	0		21.17					
15	16QAM	36	20		21.27					
15	16QAM	36	39		21.16		22.5	2		
15	16QAM	75	0		21.28					
15	64QAM	1	0		21.17					
15	64QAM	1	37		21.38		22.5	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.24					
15	64QAM	36	20		20.19		21.5	3		
15	64QAM	36	39		20.25					
15	64QAM	75	0		20.16					
Channel Frequency (MHz)				23600	23625	23650	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.92	22.91	22.86	24.5	0		
10	QPSK	1	25	23.17	23.09	23.16				
10	QPSK	1	49	22.93	22.89	22.87				
10	QPSK	25	0	22.00	22.05	22.00	23.5	1		
10	QPSK	25	12	22.17	22.17	22.25				
10	QPSK	25	25	22.25	22.14	22.14				
10	QPSK	50	0	22.23	22.20	22.21	23.5	1		
10	16QAM	1	0	22.09	22.13	22.23				
10	16QAM	1	25	22.42	22.47	22.40				
10	16QAM	1	49	22.49	22.53	22.44	22.5	2		
10	16QAM	25	0	21.05	21.02	21.13				
10	16QAM	25	12	21.13	21.22	21.15				
10	16QAM	25	25	21.13	21.07	21.16	22.5	2		
10	16QAM	50	0	21.18	21.19	21.16				
10	64QAM	1	0	21.02	21.11	21.08				
10	64QAM	1	25	21.34	21.29	21.36	22.5	2		
10	64QAM	1	49	20.93	20.86	20.88				
10	64QAM	25	0	20.24	20.21	20.23				
10	64QAM	25	12	20.10	20.09	20.18	21.5	3		
10	64QAM	25	25	20.23	20.17	20.14				
10	64QAM	50	0	20.08	20.09	20.08				
Channel Frequency (MHz)				23675	23625	23675	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0		22.93	22.91	24.5	0		
5	QPSK	1	12		23.16	23.17				
5	QPSK	1	24		22.98	22.87				
5	QPSK	12	0		22.01	22.01	23.5	1		
5	QPSK	12	7		22.19	22.27				
5	QPSK	12	13		22.22	22.14				
5	QPSK	25	0		22.12	22.16	23.5	1		
5	16QAM	1	0		22.17	22.09				
5	16QAM	1	12		22.39	22.42				
5	16QAM	1	24		22.50	22.52	22.5	2		
5	16QAM	12	7		21.02	21.03				
5	16QAM	12	7		21.20	21.22				
5	16QAM	12	13		21.16	21.10	22.5	2		
5	16QAM	25	0		21.29	21.17				
5	16QAM	1	0		21.07	21.17				
5	64QAM	1	12		21.32	21.23	22.5	2		
5	64QAM	1	24		20.95	21.00				
5	64QAM	12	0		20.21	20.10				
5	64QAM	12	7		20.07	20.10	21.5	3		
5	64QAM	12	13		20.20	20.10				
5	64QAM	25	0		20.05	20.09				

Band 18_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 Frequency (MHz)				23600	23625	23650				
15	QPSK	1	0		22.76		24	0		
15	QPSK	1	37		22.53					
15	QPSK	1	74		22.89					
15	QPSK	36	0		21.88		23	1		
15	QPSK	36	20		21.96					
15	QPSK	36	39		21.88					
15	QPSK	75	0		21.91		23	1		
15	16QAM	1	0		22.12					
15	16QAM	1	37		22.50					
15	16QAM	36	74		22.06		22	2		
15	16QAM	36	0		20.94					
15	16QAM	36	20		20.99					
15	16QAM	36	39		21.01		22	2		
15	16QAM	75	0		20.95					
15	64QAM	1	0		20.95					
15	64QAM	1	37		21.33		22	2		
15	64QAM	1	74		21.21					
15	64QAM	36	0		19.93					
15	64QAM	36	20		19.97		21	3		
15	64QAM	36	39		19.99					
15	64QAM	75	0		19.93					
Channel Frequency (MHz)				23600	23625	23650	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.61	22.64	22.74	24	0		
10	QPSK	1	25	22.83	22.87	22.85				
10	QPSK	1	49	22.75	22.84	22.81				
10	QPSK	25	0	21.84	21.81	21.86	23	1		
10	QPSK	25	12	21.87	21.86	21.83				
10	QPSK	25	25	21.76	21.73	21.75				
10	QPSK	50	0	21.77	21.82	21.88	23	1		
10	16QAM	1	0	22.09	22.05	22.12				
10	16QAM	1	25	22.44	22.40	22.48				
10	16QAM	1	49	22.03	21.99	22.04	22	2		
10	16QAM	25	0	20.92	20.99	20.89				
10	16QAM	25	12	20.94	20.87	20.99				
10	16QAM	25	25	21.01	20.95	21.01	22	2		
10	16QAM	50	0	20.81	20.94	20.81				
10	64QAM	1	0	21.05	21.00	21.05				
10	64QAM	1	25	21.27	21.32	21.29	22	2		
10	64QAM	1	49	21.17	21.18	21.11				
10	64QAM	25	0	19.88	19.86	19.80				
10	64QAM	25	12	19.90	19.88	19.92	21	3		
10	64QAM	25	25	19.84	19.83	19.84				
10	64QAM	50	0	19.87	19.86	19.92				
Channel Frequency (MHz)				23675	23625	23675	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0		22.62	22.65	24	0		
5	QPSK	1	12		22.86	22.84				
5	QPSK	1	24		22.79	22.74				
5	QPSK	12	0		21.87	21.87	23	1		
5	QPSK	12	7		21.93	21.81				
5	QPSK	12	13		21.74	21.85				
5	QPSK	25	0		21.82	21.81	23	1		
5	16QAM	1	0		21.99	22.04				
5	16QAM	1	12		22.35	22.46				
5	16QAM	1	24		22.03	22.02	22	2		
5	16QAM	12	0		20.81	20.93				
5	16QAM	12	7		20.92	20.93				
5	16QAM	12	13		20.95	20.95	22	2		
5	16QAM	25	0		20.92	20.85				
5	16QAM	1	0		20.85	20.92				
5	64QAM	1	12		21.23	21.21	22	2		
5	64QAM	1	24		21.16	21.13				
5	64QAM	12	0		19.85	19.90				
5	64QAM	12	7		19.82	19.87	21	3		
5	64QAM	12	13		19.91	19.87				
5	64QAM	25	0		19.83	19.87				

Band 19_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 Frequency (MHz)				24025 837.5						
15	QPSK	1	0		23.06		24.5	0		
15	QPSK	1	37		23.20					
15	QPSK	1	74		23.05					
15	QPSK	36	0		22.19		23.5	1		
15	QPSK	36	20		22.24					
15	QPSK	36	39		22.06					
15	QPSK	75	0		22.16		23.5	1		
15	16QAM	1	0		22.31					
15	16QAM	1	37		22.37					
15	16QAM	1	74		22.45		22.5	2		
15	16QAM	36	0		21.09					
15	16QAM	36	20		21.26					
15	16QAM	36	39		21.20		22.5	2		
15	16QAM	75	0		21.19					
15	64QAM	1	0		21.50					
15	64QAM	1	37		21.07		22.5	2		
15	64QAM	1	74		21.15					
15	64QAM	36	0		20.23					
15	64QAM	36	20		20.42		21.5	3		
15	64QAM	36	39		20.14					
15	64QAM	75	0		20.18					
Channel Frequency (MHz)				24050 835 24075 840 24100			Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.02	22.97	23.06	24.5	0		
10	QPSK	1	25	23.15	23.18	23.12				
10	QPSK	1	49	22.98	22.91	23.04				
10	QPSK	25	0	22.08	22.16	22.17	23.5	1		
10	QPSK	25	12	22.11	22.24	22.14				
10	QPSK	25	25	21.99	21.92	21.96				
10	QPSK	50	0	22.07	22.13	22.12	23.5	1		
10	16QAM	1	0	22.26	22.23	22.18				
10	16QAM	1	25	22.35	22.36	22.29				
10	16QAM	1	49	22.30	22.32	22.31	22.5	2		
10	16QAM	25	0	21.03	21.08	21.03				
10	16QAM	25	12	21.12	21.29	21.24				
10	16QAM	25	25	21.07	21.08	21.06	22.5	2		
10	16QAM	50	0	21.14	21.04	21.08				
10	64QAM	1	0	21.35	21.45	21.49				
10	64QAM	1	25	20.98	20.99	20.99	22.5	2		
10	64QAM	1	49	21.06	21.05	21.07				
10	64QAM	25	0	20.08	20.12	20.11				
10	64QAM	25	12	20.26	20.18	20.31	21.5	3		
10	64QAM	25	25	20.12	19.99	20.14				
10	64QAM	50	0	20.17	20.07	20.03				
Channel Frequency (MHz)				24025 837.5 24075 842.5 24125			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.94	22.94	22.95	24.5	0		
5	QPSK	1	12	23.14	23.14	23.06				
5	QPSK	1	24	22.96	23.01	22.94				
5	QPSK	12	0	22.04	22.05	22.06	23.5	1		
5	QPSK	12	7	22.23	22.24	22.24				
5	QPSK	12	13	22.04	21.83	21.94				
5	QPSK	25	0	22.07	22.03	22.13	23.5	1		
5	16QAM	1	0	22.27	22.20	22.28				
5	16QAM	1	12	22.23	22.36	22.27				
5	16QAM	1	24	22.41	22.34	22.35	22.5	2		
5	16QAM	12	7	20.96	21.04	20.97				
5	16QAM	12	7	21.14	21.18	21.21				
5	16QAM	12	13	21.11	21.12	21.10	22.5	2		
5	16QAM	25	0	21.04	21.08	21.16				
5	16QAM	1	0	21.43	21.35	21.46				
5	64QAM	1	12	21.00	21.00	21.05	22.5	2		
5	64QAM	1	24	21.05	21.13	21.05				
5	64QAM	12	0	20.18	20.15	20.12				
5	64QAM	12	7	20.23	20.20	20.19	21.5	3		
5	64QAM	12	13	20.06	20.09	20.01				
5	64QAM	25	0	20.10	20.16	20.03				

Band 19_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 Frequency (MHz)				24075 837.5						
15	QPSK	1	0		22.75		24	0		
15	QPSK	1	37		22.32					
15	QPSK	1	74		22.73					
15	QPSK	36	0		21.90		23	1		
15	QPSK	36	20		21.97					
15	QPSK	36	39		21.95					
15	QPSK	75	0		21.92		23	1		
15	16QAM	1	0		22.03					
15	16QAM	1	37		22.10					
15	16QAM	1	74		21.80		22	2		
15	16QAM	36	0		20.91					
15	16QAM	36	20		21.03					
15	16QAM	36	39		20.87		22	2		
15	16QAM	75	0		20.99					
15	64QAM	1	0		20.96					
15	64QAM	1	37		20.89		22	2		
15	64QAM	1	74		21.01					
15	64QAM	36	0		20.05					
15	64QAM	36	20		20.00		21	3		
15	64QAM	36	39		19.89					
15	64QAM	75	0		20.00					
Channel Frequency (MHz)				24050 835 24075 840 24100			Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.74	22.74	22.72	24	0		
10	QPSK	1	25	22.78	22.81	22.81				
10	QPSK	1	49	22.67	22.61	22.73				
10	QPSK	25	0	21.86	21.89	21.75	23	1		
10	QPSK	25	12	21.95	21.88	21.92				
10	QPSK	25	25	21.81	21.91	21.95				
10	QPSK	50	0	21.81	21.86	21.84	23	1		
10	16QAM	1	0	21.95	22.00	21.98				
10	16QAM	1	25	21.99	22.03	22.09				
10	16QAM	1	49	21.65	21.69	21.70	22	2		
10	16QAM	25	0	20.84	20.79	20.81				
10	16QAM	25	12	20.89	20.98	21.02				
10	16QAM	25	25	20.83	20.78	20.84	22	2		
10	16QAM	50	0	20.76	20.86	20.86				
10	64QAM	1	0	20.84	20.88	20.94				
10	64QAM	1	25	20.89	20.76	20.78	22	2		
10	64QAM	1	49	20.65	21.01	20.86				
10	64QAM	25	0	20.02	20.04	19.97				
10	64QAM	25	12	19.92	19.99	19.90	21	3		
10	64QAM	25	25	19.84	19.77	19.85				
10	64QAM	50	0	19.85	20.00	19.94				
Channel Frequency (MHz)				24025 832.5 24075 837.5 24125			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.63	22.68	22.68	24	0		
5	QPSK	1	12	22.87	22.85	22.84				
5	QPSK	1	24	22.65	22.63	22.58				
5	QPSK	12	0	21.81	21.87	21.89	23	1		
5	QPSK	12	7	21.93	21.94	21.90				
5	QPSK	12	13	21.80	21.81	21.89				
5	QPSK	25	0	21.82	21.85	21.87	23	1		
5	16QAM	1	0	22.02	22.03	22.02				
5	16QAM	1	12	21.98	22.06	21.95				
5	16QAM	1	24	21.63	21.59	21.57	22	2		
5	16QAM	12	0	20.87	20.76	20.85				
5	16QAM	12	7	20.95	21.00	20.94				
5	16QAM	12	13	20.72	20.82	20.73	22	2		
5	16QAM	25	0	20.78	20.81	20.78				
5	16QAM	1	0	20.82	20.84	20.84				
5	64QAM	1	12	20.84	20.76	20.86	22	2		
5	64QAM	1	24	20.90	20.95	20.97				
5	64QAM	12	0	20.01	19.94	19.94				
5	64QAM	12	7	19.91	19.98	20.00	21	3		
5	64QAM	12	13	19.81	19.81	19.75				
5	64QAM	25	0	19.87	19.85	19.97				

Band 26_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 Frequency (MHz)				26705	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24.5	0
15	QPSK	1	37	23.26	23.41	23.49		
15	QPSK	1	74	23.29	23.40	23.38		
15	QPSK	36	0	22.34	22.47	22.46	23.5	1
15	QPSK	36	20	22.38	22.52	22.50		
15	QPSK	36	36	22.39	22.48	22.38		
15	QPSK	75	0	22.60	22.65	22.62	23.5	1
15	16QAM	1	0	23.01	23.01	22.98		
15	16QAM	1	37	22.89	23.03	23.01		
15	16QAM	1	74	22.81	22.83	22.86	22.5	2
15	16QAM	36	0	21.37	21.47	21.44		
15	16QAM	36	20	21.49	21.63	21.58		
15	16QAM	36	36	21.51	21.52	21.41	22.5	2
15	16QAM	75	0	21.39	21.45	21.31		
15	64QAM	1	0	21.84	21.91	21.86		
15	64QAM	1	37	21.92	21.97	21.85	22.5	2
15	64QAM	1	74	21.70	21.74	21.73		
15	64QAM	36	0	20.42	20.55	20.44	21.5	3
15	64QAM	36	20	20.45	20.58	20.51		
15	64QAM	36	36	20.43	20.51	20.45		
15	64QAM	75	0	20.31	20.45	20.30	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26740	26695	26695		
10	QPSK	1	0	819	831.5	844	24.5	0
10	QPSK	1	24	23.15	23.32	23.38		
10	QPSK	1	49	23.16	23.38	23.38		
10	QPSK	25	0	22.23	22.47	22.38	23.5	1
10	QPSK	25	12	22.68	22.7	22.7		
10	QPSK	25	25	22.39	22.37	22.25		
10	QPSK	50	0	22.57	22.57	22.5	23.5	1
10	16QAM	1	25	22.97	22.92	22.92		
10	16QAM	1	25	22.8	22.9	22.87		
10	16QAM	1	49	22.69	22.81	22.77	22.5	2
10	16QAM	36	0	21.27	21.45	21.42		
10	16QAM	25	12	21.48	21.51	21.56		
10	16QAM	25	25	21.4	21.42	21.35	22.5	2
10	16QAM	50	0	21.27	21.38	21.38		
10	64QAM	1	0	21.81	21.77	21.72	22.5	2
10	64QAM	1	25	21.88	21.82	21.72		
10	64QAM	1	49	21.71	21.63	21.63		
10	64QAM	25	0	20.4	20.45	20.33	21.5	3
10	64QAM	25	12	20.35	20.48	20.4		
10	64QAM	25	25	20.43	20.51	20.37		
10	64QAM	50	0	20.16	20.39	20.18	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				26715	26685	267015		
5	QPSK	1	0	819.5	831.5	846.5	24.5	0
5	QPSK	1	12	23.54	23.69	23.51		
5	QPSK	1	24	23.18	23.34	23.33		
5	QPSK	12	0	22.34	22.47	22.38	23.5	1
5	QPSK	12	7	22.81	22.83	22.57		
5	QPSK	12	13	22.29	22.44	22.31		
5	QPSK	25	0	22.55	22.61	22.48	23.5	1
5	16QAM	1	0	22.87	22.83	22.84		
5	16QAM	1	12	22.83	22.99	22.97		
5	16QAM	1	24	22.74	22.83	22.77	22.5	2
5	16QAM	12	0	21.29	21.35	21.33		
5	16QAM	12	7	21.38	21.5	21.3		
5	16QAM	12	13	21.48	21.47	21.28	22.5	2
5	16QAM	25	0	21.35	21.43	21.17		
5	16QAM	1	21.8	21.79	21.8	21.8		
5	64QAM	1	12	21.91	21.87	21.72	21.5	3
5	64QAM	1	24	21.67	21.68	21.68		
5	64QAM	12	0	20.34	20.51	20.36		
5	64QAM	12	7	20.41	20.48	20.45	Tune-up limit (dBm)	MPR (dB)
5	64QAM	12	13	20.29	20.43	20.35		
5	64QAM	25	0	20.31	20.35	20.25		
Channel Frequency (MHz)				26705	26685	27025	24.5	0
3	QPSK	1	0	819.5	831.5	842.2		
3	QPSK	1	8	23.44	23.61	23.59		
3	QPSK	1	14	23.21	23.29	23.28	23.5	1
3	QPSK	8	0	22.28	22.36	22.4		
3	QPSK	8	4	22.55	22.72	22.45		
3	QPSK	8	7	22.3	22.44	22.23	23.5	1
3	QPSK	15	0	22.5	22.55	22.61		
3	16QAM	1	0	22.93	22.88	22.98		
3	16QAM	1	8	22.86	22.88	23.05	22.5	2
3	16QAM	1	14	22.79	22.8	22.79		
3	16QAM	8	0	21.24	21.46	21.38		
3	16QAM	8	4	21.42	21.51	21.48	22.5	2
3	16QAM	8	7	21.42	21.45	21.36		
3	16QAM	15	0	21.26	21.38	21.27		
3	64QAM	1	0	21.7	21.75	21.75	21.5	3
3	64QAM	1	8	21.83	21.93	21.76		
3	64QAM	1	14	21.68	21.64	21.58		
3	64QAM	8	0	20.34	20.46	20.44	Tune-up limit (dBm)	MPR (dB)
3	64QAM	8	4	20.37	20.57	20.48		
3	64QAM	8	7	20.42	20.38	20.27		
3	64QAM	15	0	20.17	20.4	20.18	24.5	0
Channel Frequency (MHz)				26697	26685	27033		
1.4	QPSK	1	0	814.7	831.5	843	24.5	0
1.4	QPSK	1	3	23.14	23.34	23.23		
1.4	QPSK	1	3	23.49	23.65	23.59		
1.4	QPSK	12	0	23.28	23.29	23.31	23.5	1
1.4	QPSK	3	0	23.21	23.25	23.23		
1.4	QPSK	3	1	23.24	23.27	23.34		
1.4	QPSK	3	3	23.23	23.37	23.24	23.5	1
1.4	QPSK	6	0	22.48	22.57	22.55		
1.4	16QAM	1	0	22.97	22.96	22.90		
1.4	16QAM	1	3	22.98	22.88	22.90	22.5	2
1.4	16QAM	1	5	22.71	22.81	22.81		
1.4	16QAM	3	0	22.62	22.65	22.48		
1.4	16QAM	3	1	22.61	22.69	22.51	22.5	2
1.4	16QAM	3	3	22.57	22.60	22.57		
1.4	16QAM	6	0	21.33	21.42	21.31		
1.4	64QAM	1	0	21.76	21.87	21.74	21.5	3
1.4	64QAM	1	3	21.89	21.85	21.77		
1.4	64QAM	1	5	21.69	21.71	21.72		
1.4	64QAM	3	0	21.41	21.46	21.46	Tune-up limit (dBm)	MPR (dB)
1.4	64QAM	3	1	21.44	21.47	21.31		
1.4	64QAM	3	3	21.45	21.48	21.28		
1.4	64QAM	6	0	20.20	20.36	20.16	24.5	0
Channel Frequency (MHz)				26717	26685	26717		
1.4	QPSK	1	0	814.7	831.5	843	24.5	0
1.4	QPSK	1	3	23.00	23.02	22.97		
1.4	QPSK	1	5	22.91	22.78	22.88		
1.4	QPSK	12	0	22.82	22.86	22.86	23.5	1
1.4	QPSK	3	1	22.80	22.88	22.77		
1.4	QPSK	3	3	22.83	22.80	22.83		
1.4	QPSK	6	0	21.84	21.88	21.84	23	1
1.4	16QAM	1	0	22.24	22.24	22.24		
1.4	16QAM	1	3	22.37	22.48	22.24		
1.4	16QAM	1	5	22.19	22.25	22.11	23	1
1.4	16QAM	3	0	22.12	22.27	22.14		
1.4	16QAM	3	1	22.12	22.18	22.17		
1.4	16QAM	3	3	22.13	22.22	22.05	22	2
1.4	16QAM	6	0	20.84	20.98	20.80		
1.4	64QAM	1	0	21.02	20.99	20.98		
1.4	64QAM	1	3	21.34	21.33	21.31	22	2
1.4	64QAM	1	5	20.99	21.03	21.04		
1.4	64QAM	3	0	20.92	20.95	21.01		
1.4	64QAM	3	1	20.98	20.95	20.95	21	3
1.4	64QAM	3	3	21.03	20.94	20.96		
1.4	64QAM	6	0	19.85	19.80	19.87		

Band 26_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 Frequency (MHz)				26765	26665	26665		
15	QPSK	1	0	821.5	831.5	841.5	24	0
15	QPSK	1	37	22.84	22.89	22.89		
15	QPSK	1	74	22.91	22.91	22.89		
15	QPSK	36	0	21.83	21.92	21.83	23	1
15	QPSK	36	20	22.04	22.05	21.97		
15	QPSK	36	36	21.95	22.01	21.88		
15	QPSK	75	0	21.97	22.02	21.94	23	1
15	16QAM	1	0	22.25	22.29	22.21		
15	16QAM	1	37	22.38	22.48	22.39		
15	16QAM	1	74	22.71	22.77	22.30	22	2
15	16QAM	36	0	20.97	20.99	20.91		
15	16QAM	36	20	21.06	21.08	21.08		
15	16QAM	36	36	20.91	20.97	20.89	21	3
15	16QAM	75	0	20.97	21.03	20.99		
15	64QAM	1	0	21.10	21.05	21.06		
15	64QAM	1	37	21.40	21.45	21.39	22	2
15	64QAM	1	74	21.08	21.05	21.04		
15	16QAM	36	0	19.96	20.06	20.06		
15	64QAM	36	20	19.99	20.09	19.95	21	3
15	64QAM	36	36	19.85	19.97	19.94		
15	64QAM	75	0	19.85	19.94	19.79		
Channel Frequency (MHz)				810	831.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.81	22.89	22.76	24	0
10	QPSK	1	25	23.08	23.08	22.84		
10	QPSK	1	49	22.82	22.76	22.85		
10	QPSK	25	0	21.77	21.85	21.75	23	1
10	QPSK	25	12	21.96	21.92	21.82		
10	QPSK	25	25	21.95	21.97	21.78		
10	QPSK	50	0	21.95	21.93	21.81	23	1
10	16QAM	1	0	22.22	22.21	22.16		
10	16QAM	1	25	22.20	22.45	22.36		
10	16QAM	1	49	22.20	22.21	22.14	22	2
10	16QAM	25	0	20.88	20.88	20.81		
10	16QAM	25	12	20.97	20.99	20.97		
10	16QAM	25	25	20.79	20.83	20.85	21	3
10	16QAM	50	0	20.88	20.95	20.98		
10	64QAM	1	0	21.01	20.92	20.94		
10	64QAM	1	25	21.38	21.32	21.24	22	2
10	64QAM	1	49	21.06	20.91	20.91		
10	64QAM	25	0	19.85	19.95	19.91		
10	64QAM	25	12	19.85	19.84	19.88	21	3
10	64QAM	25	25	19.74	19.90	19.70		
10	64QAM	50	0	19.86	19.79	19.66		
Channel Frequency (MHz)				810.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.81	22.88	22.85	24	0
5	QPSK	1	12	22.95	23.02	22.89		
5	QPSK	1	24	22.79	22.91	22.82		
5	QPSK	12	0	21.76	21.77	21.82	23	1
5	QPSK	12	7	22.04	21.99	21.90		
5	QPSK	12	13	21.80	21.90	21.78		
5	QPSK	25	0	21.84	21.96	21.86	23	1
5	16QAM	1	0	22.16	22.19	22.14		
5	16QAM	1	12	22.30	22.34	22.24		
5	16QAM	1	24	22.18	22.23	22.11	22	2
5	16QAM	12	0	20.92	20.95	20.84		
5	16QAM	12	7	21.00	20.94	20.98		
5	16QAM	12	13	20.91	20.82	20.76	22	2
5	16QAM	25	0	20.97	20.95	20.88		
5	64QAM	1	0	21.09	21.07	21.05		
5	64QAM	1	12	21.40	21.32	21.27	21	3
5	64QAM	1	24	21.00	21.02	21.05		
5	64QAM	12	0	19.93	19.94	19.94		
5	64QAM	12	7	19.96	19.95	19.91	21	3
5	64QAM	12	13	19.86	19.86	19.70		
5	64QAM	25	0	19.84	19.83	19.76		
Channel Frequency (MHz)				810.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	22.75	22.85	22.89	24	0
3	QPSK	1	8	22.97	23.07	22.87		
3	QPSK	1	14	22.89	22.98	22.86		
3	QPSK	8	0	21.81	21.82	21.83	23	1
3	QPSK	8	4	21.96	21.84	21.89		
3	QPSK	8	7	21.87	21.84	21.84		
3	QPSK	15	0	21.92	21.96	21.81	23	1
3	16QAM	1	0	22.14	22.17	22.12		
3	16QAM	1	14	22.28	22.43	22.24		
3	16QAM	1	14	22.13	22.12	22.12	22	2
3	16QAM	8	0	20.93	20.89	20.89		
3	16QAM	8	4	20.93	21.08	21.07		
3	16QAM	8	7	20.90	20.90	20.86	21	3
3	16QAM	15	0	20.85	20.94	20.93		
3	64QAM	1	0	20.96	21.04	21.01		
3	64QAM	1	8	21.33	21.43	21.24	22	2
3	64QAM	1	14	21.00	21.00	20.95		
3	64QAM	8	0	19.82	19.97	20.02		
3	64QAM	8	4	19.92	19.97	19.90	21	3
3	64QAM	8	7	19.86	19.84	19.79		
3	64QAM	15	0	19.85	19.87	19.71		
Channel Frequency (MHz)				26697	26695	27003	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	814.7	831.5	848.3	24	0
1.4	QPSK	1	3	23.00	23.02	22.97		
1.4	QPSK	1	5	22.91	22.78	22.89		
1.4	QPSK	3	0	22.82	22.86	22.88	23	1
1.4	QPSK	3	1	22.80	22.88	22.77		
1.4	QPSK	3	3	22.83	22.80	22.85		
1.4	QPSK	6	0	21.84	21.88	21.94	23	1
1.4	16QAM	1	0	22.24	22.24	22.14		
1.4	16QAM	1	3	22.37	22.46	22.24		
1.4	16QAM	1	5	22.19	22.25	22.11	23	1
1.4	16QAM	3	0	22.12	22.27	22.14		
1.4	16QAM	3	1	22.18	22.18	22.18		
1.4	16QAM	3	3	22.13	22.22	22.05	22	2
1.4	16QAM	6	0	20.84	20.96	20.90		
1.4	16QAM	1	0	21.02	20.99	20.96		
1.4	64QAM	1	3	21.34	21.33	21.31	22	2
1.4	64QAM	1	5	20.99	21.03	21.04		
1.4	64QAM	3	0	20.92	20.95	21.01		
1.4	64QAM	3	1	20.98	20.95	20.95	21	3
1.4	64QAM	3	3	21.03	20.94	20.96		
1.4	64QAM	6	0	19.85	19.90	19.87		

Band 66_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										
Frequency (MHz)										
20	QPSK	1	0	17.02	17.03	17.01	18	0		
20	QPSK	1	49	17.14	17.17	17.15				
20	QPSK	1	99	16.87	16.97	16.81				
20	QPSK	50	0	17.11	17.12	17.05				
20	QPSK	50	24	17.13	17.15	17.14	18	0		
20	QPSK	50	50	17.12	17.12	17.13				
20	QPSK	100	0	17.08	17.13	17.12				
20	16QAM	1	0	17.06	17.13	17.09				
20	16QAM	1	49	17.07	17.10	17.08	18	0		
20	16QAM	1	99	17.05	17.12	17.12				
20	16QAM	50	0	17.10	17.15	17.13				
20	16QAM	50	24	17.12	17.14	17.11				
20	16QAM	100	0	17.08	17.12	17.10	18	0		
20	64QAM	1	0	17.10	17.11	17.14				
20	64QAM	1	49	17.08	17.14	17.14				
20	64QAM	1	99	17.05	17.11	17.13				
20	64QAM	50	0	17.10	17.07	17.14	18	0		
20	64QAM	50	24	17.06	17.14	17.13				
20	64QAM	50	50	17.11	17.11	17.13				
20	64QAM	100	0	17.12	17.09	17.06				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.03	17.03	17.02	18	0		
15	QPSK	1	37	17.02	17.05	17.11				
15	QPSK	1	74	16.84	16.85	16.76				
15	QPSK	36	0	17.06	17.09	17.03				
15	QPSK	36	20	17.11	17.04	17.12	18	0		
15	QPSK	36	39	17.03	17.08	17.01				
15	QPSK	75	0	16.99	17.05	17.01				
15	16QAM	1	0	17.04	17.04	16.99				
15	16QAM	1	37	16.98	17.00	16.96	18	0		
15	16QAM	1	74	16.99	17.07	17.10				
15	16QAM	36	0	17.06	17.04	17.05				
15	16QAM	36	20	17.00	17.10	17.09				
15	16QAM	36	39	17.01	17.12	17.07	18	0		
15	16QAM	75	0	17.00	17.10	17.02				
15	64QAM	1	0	17.03	17.07	17.07				
15	64QAM	1	37	16.98	17.07	17.07				
15	64QAM	1	74	16.95	17.04	17.01	18	0		
15	64QAM	36	0	17.01	17.03	17.06				
15	64QAM	36	20	17.00	17.08	17.07				
15	64QAM	36	39	17.09	17.03	17.01				
15	64QAM	75	0	17.06	17.01	16.99	18	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.01	17.04	16.79	18	0		
10	QPSK	1	25	17.02	17.10	17.05				
10	QPSK	1	49	16.83	16.85	16.73				
10	QPSK	25	0	17.01	17.09	16.99				
10	QPSK	25	12	17.03	17.12	17.05	18	0		
10	QPSK	25	25	17.04	17.08	17.04				
10	QPSK	50	0	17.00	17.06	17.06				
10	16QAM	1	0	16.99	17.06	17.02				
10	16QAM	1	25	17.02	17.07	16.96	18	0		
10	16QAM	1	49	16.94	17.09	17.10				
10	16QAM	25	0	17.00	17.04	17.06				
10	16QAM	25	12	17.05	17.05	17.04				
10	16QAM	25	25	17.07	17.04	17.02	18	0		
10	16QAM	50	0	16.96	17.01	17.03				
10	16QAM	50	0	17.02	17.09	17.10				
10	64QAM	1	25	16.96	17.05	17.06				
10	64QAM	1	49	16.95	17.09	17.09	18	0		
10	64QAM	25	0	16.98	17.00	17.06				
10	64QAM	25	12	17.03	17.07	17.03				
10	64QAM	25	25	17.00	17.04	17.04				
10	64QAM	50	0	17.03	17.03	17.02	18	0		
10	64QAM	50	0	17.01	17.04	17.04				
10	64QAM	50	0	17.03	17.03	17.02				
10	64QAM	50	0	17.03	17.03	17.02				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.01	17.08	16.84	18	0		
5	QPSK	1	12	17.11	17.12	17.12				
5	QPSK	1	24	16.85	16.86	16.74				
5	QPSK	12	0	17.02	17.08	16.98				
5	QPSK	12	7	17.02	17.12	17.08	18	0		
5	QPSK	12	13	17.03	17.04	17.05				
5	QPSK	25	0	16.99	17.03	17.10				
5	16QAM	1	0	17.03	17.05	17.01				
5	16QAM	1	12	17.01	16.99	16.99	18	0		
5	16QAM	1	24	16.99	17.09	17.01				
5	16QAM	12	0	17.01	17.13	17.10				
5	16QAM	12	7	17.05	17.05	17.00				
5	16QAM	12	13	17.05	17.08	17.05	18	0		
5	16QAM	25	0	17.05	17.10	17.02				
5	64QAM	1	0	17.05	17.04	17.02				
5	64QAM	1	12	17.05	17.02	17.03				
5	64QAM	1	24	17.01	17.04	17.11	18	0		
5	64QAM	12	0	17.06	17.02	17.07				
5	64QAM	12	7	16.97	17.04	17.10				
5	64QAM	12	13	17.05	17.05	17.01				
5	64QAM	25	0	17.01	17.06	17.04	18	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.00	17.07	16.83	18	0		
3	QPSK	1	8	17.02	17.09	17.13				
3	QPSK	1	14	16.76	16.83	16.73				
3	QPSK	8	0	17.04	17.00	16.97				
3	QPSK	8	4	17.06	17.10	17.08	18	0		
3	QPSK	8	7	17.00	17.02	17.04				
3	QPSK	15	0	16.97	17.02	17.05				
3	16QAM	1	0	17.00	17.07	17.01				
3	16QAM	1	8	16.97	17.03	17.06	18	0		
3	16QAM	1	14	16.97	17.10	17.06				
3	16QAM	8	0	17.08	17.05	17.07				
3	16QAM	8	4	17.06	17.06	17.00				
3	16QAM	8	7	17.07	17.06	17.07	18	0		
3	16QAM	15	0	17.02	17.08	17.00				
3	64QAM	1	0	17.06	17.06	17.03				
3	64QAM	1	8	17.06	17.06	17.05				
3	64QAM	1	14	16.96	17.01	17.02	18	0		
3	64QAM	8	0	17.03	17.01	17.12				
3	64QAM	8	4	16.97	17.02	17.03				
3	64QAM	8	7	17.04	17.04	17.01				
3	64QAM	15	0	17.00	17.03	17.03	18	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.04	17.08	16.86	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03				
1.4	QPSK	3	3	17.05	17.03	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04				
1.4	16QAM	1	3	17.03	16.99	16.96	18	0		
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08				
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03	18	0		
1.4	16QAM	6	0	17.02	17.10	17.01				
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	1	3	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11				
1.4	64QAM	6	0	17.02	17.04	16.97	18	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.07	17.08	16.86	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04	18	0		
1.4	16QAM	1	3	17.03	16.99	16.96				
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08	18	0		
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03				
1.4	16QAM	6	0	17.02	17.10	17.01	18	0		
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	1	3	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11	18	0		
1.4	64QAM	6	0	17.02	17.04	16.97				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.07	17.08	16.86	18	0		
1.4	QPSK	1	3	17.09	17.07	17.06				
1.4	QPSK	1	5	16.76	16.85	16.77				
1.4	QPSK	3	0	17.04	17.06	17.03	18	0		
1.4	QPSK	3	3	17.04	17.09	17.07				
1.4	QPSK	6	0	17.02	17.05	17.10				
1.4	16QAM	1	0	17.03	17.02	17.04	18	0		
1.4	16QAM	1	3	17.03	16.99	16.96				
1.4	16QAM	5	0	17.03	17.05	17.05				
1.4	16QAM	3	0	17.08	17.11	17.08	18	0		
1.4	16QAM	3	1	17.00	17.05	17.05				
1.4	16QAM	3	3	16.99	17.10	17.03				
1.4	16QAM	6	0	17.02	17.10	17.01	18	0		
1.4	64QAM	1	0	17.00	17.04	17.03				
1.4	64QAM	1	3	17.06	17.12	17.09				
1.4	64QAM	1	5	16.97	17.03	17.07	18	0		
1.4	64QAM	3	0	17.01	16.95	17.11				
1.4	64QAM	3	1	16.97	17.10	17.03				
1.4	64QAM	3	3	17.03	17.03	17.11	18	0		
1.4	64QAM	6	0	17.02	17.04	16.97				

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 Frequency (MHz)										
2580										
37850										
38000										
38150										
20	QPSK	1	0	18.00	18.14	18.17	19	0		
20	QPSK	1	99	18.03	18.07	18.18				
20	QPSK	50	0	18.29	18.13	18.26				
20	QPSK	50	24	18.34	18.36	18.33	19	0		
20	QPSK	50	50	18.32	18.30	18.32				
20	QPSK	100	0	18.15	18.35	18.30				
20	16QAM	1	0	18.17	18.27	18.29	19	0		
20	16QAM	1	49	18.34	18.32	18.29				
20	16QAM	1	99	18.32	18.29	18.34				
20	16QAM	50	0	18.16	18.21	18.31	19	0		
20	16QAM	50	24	18.26	18.27	18.29				
20	16QAM	50	50	18.30	18.33	18.34				
20	16QAM	100	0	18.18	18.31	18.31	19	0		
20	64QAM	1	0	17.99	18.14	18.28				
20	64QAM	1	49	18.26	18.34	18.25				
20	64QAM	1	99	18.25	18.31	18.35	19	0		
20	64QAM	50	0	18.13	18.29	18.31				
20	64QAM	50	24	18.27	18.29	18.38				
20	64QAM	50	50	18.21	18.35	18.28	19	0		
20	64QAM	100	0	18.18	18.27	18.22				
Channel Frequency (MHz)										
37825										
38000										
38175										
15	QPSK	1	0	17.97	18.12	18.14			19	0
15	QPSK	1	37	18.21	18.32	18.28				
15	QPSK	1	74	17.95	18.00	18.11				
15	QPSK	36	0	18.27	18.10	18.20	19	0		
15	QPSK	36	20	18.22	18.30	18.26				
15	QPSK	36	39	18.30	18.26	18.30				
15	QPSK	75	0	18.10	18.30	18.21	19	0		
15	16QAM	1	0	18.07	18.15	18.24				
15	16QAM	1	37	18.23	18.25	18.20				
15	16QAM	1	74	18.27	18.18	18.22	19	0		
15	16QAM	36	0	18.09	18.13	18.27				
15	16QAM	36	20	18.15	18.24	18.20				
15	16QAM	36	39	18.21	18.24	18.31	19	0		
15	16QAM	75	0	18.12	18.27	18.23				
15	64QAM	1	0	17.98	18.00	18.18				
15	64QAM	1	37	18.20	18.22	18.18	19	0		
15	64QAM	1	74	18.21	18.19	18.25				
15	64QAM	36	0	18.08	18.25	18.29				
15	64QAM	36	20	18.25	18.17	18.25	19	0		
15	64QAM	36	39	18.13	18.33	18.24				
15	64QAM	75	0	18.09	18.25	18.13				
Channel Frequency (MHz)										
37800										
38000										
38200										
10	QPSK	1	0	17.92	18.11	18.09	19	0		
10	QPSK	1	25	18.31	18.34	18.32				
10	QPSK	1	49	17.97	18.04	18.15				
10	QPSK	25	0	18.24	18.02	18.18	19	0		
10	QPSK	25	12	18.30	18.34	18.29				
10	QPSK	25	25	18.23	18.24	18.23				
10	QPSK	50	0	18.12	18.23	18.19	19	0		
10	16QAM	1	0	18.08	18.19	18.22				
10	16QAM	1	25	18.27	18.23	18.23				
10	16QAM	1	49	18.28	18.17	18.22	19	0		
10	16QAM	25	0	18.04	18.18	18.27				
10	16QAM	25	12	18.15	18.22	18.25				
10	16QAM	25	25	18.23	18.24	18.29	19	0		
10	16QAM	50	0	18.13	18.25	18.22				
10	64QAM	1	0	17.99	18.11	18.22				
10	64QAM	1	25	18.24	18.23	18.21	19	0		
10	64QAM	1	49	18.20	18.24	18.26				
10	64QAM	25	0	18.01	18.18	18.29				
10	64QAM	25	12	18.18	18.18	18.25	19	0		
10	64QAM	25	25	18.15	18.26	18.25				
10	64QAM	50	0	18.15	18.19	18.12				
Channel Frequency (MHz)										
37775										
38000										
38225										
5	QPSK	1	0	17.95	18.07	18.12	19	0		
5	QPSK	1	12	18.24	18.38	18.32				
5	QPSK	1	24	17.98	18.02	18.13				
5	QPSK	12	0	18.19	18.01	18.14	19	0		
5	QPSK	12	7	18.23	18.30	18.25				
5	QPSK	12	13	18.29	18.20	18.20				
5	QPSK	25	0	18.09	18.24	18.20	19	0		
5	16QAM	1	0	18.10	18.21	18.18				
5	16QAM	1	12	18.30	18.28	18.23				
5	16QAM	1	24	18.30	18.23	18.27	19	0		
5	16QAM	12	0	18.09	18.19	18.23				
5	16QAM	12	7	18.18	18.20	18.22				
5	16QAM	12	13	18.19	18.30	18.29	19	0		
5	16QAM	25	0	18.14	18.24	18.27				
5	64QAM	1	0	17.98	18.06	18.22				
5	64QAM	1	12	18.20	18.23	18.21	19	0		
5	64QAM	1	24	18.15	18.28	18.27				
5	64QAM	12	0	18.03	18.21	18.26				
5	64QAM	12	7	18.20	18.28	18.34	19	0		
5	64QAM	12	13	18.09	18.33	18.22				
5	64QAM	25	0	18.10	18.21	18.17				

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 Frequency (MHz)								
37850								
38000								
38150								
20	QPSK	1	0	23.16	23.26	23.21	24	0
20	QPSK	1	49	23.43	23.54	23.50		
20	QPSK	1	99	23.39	23.37	23.32		
20	QPSK	50	0	22.99	22.97	22.90	23.5	0.5
20	QPSK	50	24	23.08	23.10	23.04		
20	QPSK	50	50	23.05	23.01	23.04		
20	QPSK	100	0	23.08	23.09	23.04	23.5	0.5
20	16QAM	1	0	23.12	23.05	22.99		
20	16QAM	1	49	23.37	23.36	23.24		
20	16QAM	1	99	23.13	23.15	23.11	22.5	1.5
20	16QAM	50	0	22.05	22.02	21.97		
20	16QAM	50	24	22.14	22.14	22.14		
20	16QAM	50	50	22.14	22.19	22.11	21.5	2.5
20	16QAM	100	0	22.08	22.08	22.11		
20	64QAM	1	0	22.03	21.92	22.01		
20	64QAM	1	49	22.30	22.19	22.21	22.5	1.5
20	64QAM	1	99	22.08	22.05	22.04		
20	64QAM	50	0	21.08	20.96	21.05		
20	64QAM	50	24	21.28	21.12	21.16	21.5	2.5
20	64QAM	50	50	21.14	21.22	21.18		
20	64QAM	100	0	21.08	21.11	21.18		
Channel Frequency (MHz)								
37825								
38000								
38175								
15	QPSK	1	0	23.14	23.24	23.19	24	0
15	QPSK	1	37	23.35	23.49	23.47		
15	QPSK	1	74	23.35	23.29	23.28		
15	QPSK	36	0	22.99	22.89	22.85	23.5	0.5
15	QPSK	36	20	22.96	23.00	22.94		
15	QPSK	36	39	22.92	22.88	22.95		
15	QPSK	75	0	23.03	23.03	23.00	23.5	0.5
15	16QAM	1	0	23.01	22.99	22.85		
15	16QAM	1	37	23.35	23.34	23.18		
15	16QAM	1	74	23.02	23.13	23.01	22.5	1.5
15	16QAM	36	0	21.98	22.01	21.93		
15	16QAM	36	20	22.13	22.09	22.07		
15	16QAM	36	39	22.07	22.09	22.10	22.5	1.5
15	16QAM	75	0	21.99	22.03	21.99		
15	16QAM	75	0	21.99	21.98	22.00		
15	64QAM	1	37	22.24	22.18	22.16	22.5	1.5
15	64QAM	1	74	22.02	22.01	22.04		
15	64QAM	36	0	21.01	20.92	20.97	21.5	2.5
15	64QAM	36	20	21.21	21.00	21.11		
15	64QAM	36	39	21.10	21.21	21.14		
15	64QAM	75	0	21.08	21.08	21.13		
Channel Frequency (MHz)								
37800								
38000								
38200								
10	QPSK	1	0	23.10	23.20	23.15	24	0
10	QPSK	1	25	23.38	23.43	23.45		
10	QPSK	1	49	23.35	23.33	23.24		
10	QPSK	25	0	22.90	22.86	22.84	23.5	0.5
10	QPSK	25	12	23.00	23.06	22.96		
10	QPSK	25	25	23.00	22.88	22.96		
10	QPSK	50	0	23.08	23.08	23.00	23.5	0.5
10	16QAM	1	0	23.09	22.96	22.87		
10	16QAM	1	25	23.25	23.34	23.15		
10	16QAM	1	49	23.05	23.04	23.08	22.5	1.5
10	16QAM	25	0	22.03	21.88	21.93		
10	16QAM	25	12	22.15	22.03	22.14		
10	16QAM	25	25	22.15	22.15	21.97	22.5	1.5
10	16QAM	50	0	22.04	22.02	22.07		
10	64QAM	1	0	21.90	21.92	21.92		
10	64QAM	1	49	22.30	22.08	22.11	22.5	1.5
10	64QAM	1	99	21.97	21.91	21.93		
10	64QAM	25	0	20.96	20.85	21.05		
10	64QAM	25	12	21.21	21.07	21.13	21.5	2.5
10	64QAM	25	25	21.03	21.08	21.13		
10	64QAM	50	0	20.93	20.99	21.04		
Channel Frequency (MHz)								
2572.5								
2595								
2617.5								
5	QPSK	1	0	23.12	23.15	23.10	24	0
5	QPSK	1	12	23.40	23.43	23.41		
5	QPSK	1	24	23.30	23.29	23.24		
5	QPSK	12	0	22.91	22.96	22.84	23.5	0.5
5	QPSK	12	7	23.08	23.04	23.06		
5	QPSK	12	13	23.03	22.95	22.89		
5	QPSK	25	0	23.06	22.94	22.94	23.5	0.5
5	16QAM	1	0	23.06	23.02	23.07		
5	16QAM	1	12	23.25	23.22	23.11		
5	16QAM	1	24	22.99	23.06	22.97	22.5	1.5
5	16QAM	12	0	22.01	21.90	21.92		
5	16QAM	12	7	22.14	22.08	22.05		
5	16QAM	12	13	22.12	22.06	22.11	22.5	1.5
5	16QAM	25	0	22.07	21.97	22.00		
5	64QAM	1	0	21.97	21.88	21.95		
5	64QAM	1	12	22.26	22.18	22.11	22.5	1.5
5	64QAM	1	24	21.94	21.95	21.94		
5	64QAM	12	0	20.97	20.95	20.99		
5	64QAM	12	7	21.12	21.04	21.01	21.5	2.5
5	64QAM	12	13	21.05	21.00	21.08		
5	64QAM	25	0	21.01	21.06	21.13		



Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
20	QPSK	1	0	17.00	17.09	17.24	16.98	16.98	18	0
20	QPSK	1	49	17.35	17.30	17.41	17.40	17.35		
20	QPSK	1	99	16.88	16.98	17.17	17.22	17.14		
20	QPSK	50	0	17.08	17.01	17.17	17.20	17.25		
20	QPSK	50	24	17.35	17.15	17.39	17.50	17.34	18	0
20	QPSK	50	50	17.01	17.06	17.21	17.13	17.17		
20	QPSK	100	0	17.13	17.08	17.36	17.28	17.18		
20	16QAM	1	0	17.24	17.11	17.37	17.20	17.10		
20	16QAM	1	49	17.16	17.07	17.35	17.30	17.10	18	0
20	16QAM	1	99	17.24	17.19	17.23	17.31	17.18		
20	16QAM	50	0	17.11	17.20	17.31	17.34	17.15		
20	16QAM	50	24	17.19	17.06	17.33	17.27	17.12		
20	16QAM	50	50	17.16	17.16	17.28	17.29	17.12	18	0
20	16QAM	100	0	17.18	17.14	17.34	17.33	17.12		
20	16QAM	1	0	17.19	17.08	17.26	17.25	17.17		
20	16QAM	1	49	17.22	17.14	17.30	17.34	17.13		
20	16QAM	1	99	17.19	17.18	17.34	17.27	17.13	18	0
20	16QAM	50	0	16.97	17.08	17.15	17.04	17.20		
20	16QAM	50	24	17.08	17.12	17.30	17.26	17.22		
20	16QAM	50	50	17.25	17.18	17.30	17.24	17.11		
20	16QAM	100	0	17.19	17.08	17.24	17.00	17.18	18	0
Channel Frequency (MHz)										
15	QPSK	1	0	16.95	16.95	16.92	16.92	16.92	18.00	0
15	QPSK	1	37	17.31	17.18	17.31	17.33	17.23		
15	QPSK	1	74	16.94	16.87	17.14	17.11	17.10		
15	QPSK	36	0	16.96	16.92	17.10	17.08	17.21		
15	QPSK	36	20	17.23	17.00	17.34	17.28	17.23	18	0
15	QPSK	36	39	16.96	16.98	17.16	17.11	17.12		
15	16QAM	1	0	17.04	17.04	17.32	17.22	17.12		
15	16QAM	1	0	17.12	17.03	17.33	17.10	17.07		
15	16QAM	1	37	17.06	17.04	17.33	17.25	17.04	18	0
15	16QAM	1	74	17.16	17.16	17.21	17.28	17.16		
15	16QAM	36	0	17.05	17.13	17.20	17.31	17.03		
15	16QAM	36	20	17.10	16.98	17.24	17.28	17.01		
15	16QAM	36	39	17.07	17.07	17.14	17.19	17.06	18	0
15	16QAM	75	0	17.13	17.05	17.27	17.29	17.00		
15	16QAM	1	0	17.07	16.96	17.23	17.13	17.01		
15	16QAM	1	37	17.11	17.12	17.26	17.22	17.03		
15	16QAM	1	74	17.16	17.12	17.23	17.25	17.10	18	0
15	16QAM	36	0	16.89	17.00	17.09	17.02	17.15		
15	16QAM	36	20	17.03	17.09	17.28	17.17	17.14		
15	16QAM	36	39	17.17	17.07	17.23	17.13	17.02		
15	16QAM	75	0	17.17	17.01	17.15	16.95	17.07	18	0
Channel Frequency (MHz)										
10	QPSK	1	0	16.85	17.00	17.24	16.94	16.80	18.00	0
10	QPSK	1	25	17.24	17.16	17.35	17.37	17.23		
10	QPSK	1	49	16.88	16.95	17.06	17.14	17.04		
10	QPSK	25	0	16.91	16.90	17.06	17.12	17.23		
10	QPSK	25	12	17.33	17.04	17.34	17.18	17.28	18	0
10	QPSK	25	25	16.96	16.98	17.14	17.05	17.05		
10	16QAM	1	0	17.06	17.02	17.31	17.14	17.14		
10	16QAM	1	0	17.14	17.03	17.34	17.12	17.01		
10	16QAM	1	25	17.05	17.02	17.30	17.25	17.01	18	0
10	16QAM	1	49	17.16	17.05	17.12	17.19	17.13		
10	16QAM	25	0	17.07	17.09	17.24	17.29	17.07		
10	16QAM	25	12	17.13	16.98	17.24	17.25	17.09		
10	16QAM	25	25	17.12	17.11	17.15	17.24	17.08	18	0
10	16QAM	50	0	17.08	17.04	17.30	17.23	17.03		
10	16QAM	1	0	17.14	17.03	17.17	17.23	17.10		
10	16QAM	1	25	17.20	17.08	17.28	17.31	17.04		
10	16QAM	1	49	17.08	17.07	17.28	17.19	17.05	18	0
10	16QAM	25	0	16.91	17.05	17.05	16.98	17.10		
10	16QAM	25	12	16.88	17.02	17.18	17.17	17.20		
10	16QAM	25	25	17.18	17.15	17.26	17.16	17.03		
10	16QAM	50	0	17.07	17.06	17.19	16.90	17.13	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.95	16.90	16.90	16.90	18.00	0
5	QPSK	1	12	17.26	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12		
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.98	17.28	17.22	17.08	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13		
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07		
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01	18	0
5	16QAM	1	24	17.17	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07		
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03		
5	16QAM	12	13	17.04	17.13	17.20	17.27	17.10	18	0
5	16QAM	25	0	17.18	17.07	17.23	17.21	17.07		
5	16QAM	1	0	17.08	16.97	17.20	17.23	17.14		
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08		
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08	18	0
5	16QAM	12	0	16.88	16.98	17.05	17.00	17.13		
5	16QAM	12	7	17.03	17.01	17.18	17.19	17.13		
5	16QAM	12	13	17.13	17.14	17.21	17.12	17.04		
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15	18	0
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85		
5	QPSK	1	12	17.26	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12		
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.98	17.28	17.22	17.08	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13		
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07	18	0
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01		
5	16QAM	1	24	17.17	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07		
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03	18	0
5	16QAM	12	13	17.04	17.13	17.20	17.27	17.10		
5	16QAM	25	0	17.18	17.07	17.23	17.21	17.07		
5	16QAM	1	0	17.08	16.97	17.20	17.23	17.14		
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08	18	0
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08		
5	16QAM	12	0	16.88	16.98	17.05	17.00	17.13		
5	16QAM	12	7	17.03	17.01	17.18	17.19	17.13		
5	16QAM	12	13	17.13	17.14	17.21	17.12	17.04	18	0
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15		
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85		
5	QPSK	1	12	17.26	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12		
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.98	17.28	17.22	17.08	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13		
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07	18	0
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01		
5	16QAM	1	24	17.17	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07		
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03	18	0
5	16QAM	12	13	17.04	17.13	17.20	17.27	17.10		
5	16QAM	25	0	17.18	17.07	17.23	17.21	17.07		
5	16QAM	1	0	17.08	16.97	17.20	17.23	17.14		
5	16QAM	1	12	17.18	17.11	17.27	17.24	17.08	18	0
5	16QAM	1	24	17.10	17.13	17.26	17.21	17.08		
5	16QAM	12	0	16.88	16.98	17.05	17.00	17.13		
5	16QAM	12	7	17.03	17.01	17.18	17.19	17.13		
5	16QAM	12	13	17.13	17.14	17.21	17.12	17.04	18	0
5	16QAM	25	0	17.11	17.00	17.20	16.89	17.15		
Channel Frequency (MHz)										
5	QPSK	1	0	16.95	16.98	17.16	16.92	16.85		
5	QPSK	1	12	17.26	17.09	17.34	17.38	17.31		
5	QPSK	1	24	16.90	16.93	17.13	17.19	17.12		
5	QPSK	12	0	17.06	16.94	17.09	17.15	17.22		
5	QPSK	12	7	17.32	16.98	17.28	17.22	17.08	18	0
5	QPSK	12	13	16.95	16.98	17.15	17.04	17.08		
5	QPSK	25	0	17.11	16.97	17.33	17.20	17.13		
5	16QAM	1	0	17.17	17.09	17.33	17.11	17.07	18	0
5	16QAM	1	12	17.07	17.05	17.33	17.25	17.01		
5	16QAM	1	24	17.17	17.14	17.14	17.22	17.11		
5	16QAM	12	0	17.02	17.12	17.24	17.32	17.07		
5	16QAM	12	7	17.10	16.94	17.27	17.17	17.03	18	0
5	16QAM	12	13	17.04	17.13	17.20	17.27	17		



Reduced Power Mode for DSI7

<GSM>

GSM850_Art 13	Burst-Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
TX Channel	842.2	844.2	844.8	(dBm)	842.2	844.2	844.8	(dBm)
Frequency (MHz)	92.71	92.75	92.70	34.00	92.71	92.75	92.70	25.00
GSM 1 Tx slot	32.70	32.73	32.68	34.00	23.70	23.73	23.68	25.00
GPRS/EDGE(GMSK) 1 Tx slot	30.60	30.64	30.62	32.00	24.60	24.64	24.62	20.00
GPRS/EDGE(GMSK) 3 Tx slots	29.10	29.14	29.04	30.00	24.84	24.88	24.78	25.74
GPRS/EDGE(GMSK) 4 Tx slots	26.94	26.93	26.88	28.00	23.94	23.93	23.88	25.00
EDGE 1 Tx slot	26.85	26.88	26.85	29.00	17.89	17.88	17.85	19.00
EDGE 2 Tx slots	25.01	25.02	24.87	26.00	19.01	19.02	18.87	20.00
EDGE 3 Tx slots	22.75	22.89	22.77	24.00	16.49	16.83	16.51	18.74
EDGE 4 Tx slots	20.45	20.35	20.37	22.00	17.45	17.35	17.37	19.00

GSM1900_Art 13	Burst-Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	1512	1661	1810		1512	1661	1810	
TX Channel	1850.2	1860	1909.6	(dBm)	1850.2	1860	1909.6	(dBm)
Frequency (MHz)	30.15	30.01	30.02	31.00	21.19	21.01	21.12	22.00
GSM 1 Tx slot	30.17	30.02	30.08	31.00	21.17	21.02	21.09	22.00
GPRS/EDGE(GMSK) 1 Tx slot	27.58	27.41	27.51	28.50	21.58	21.41	21.51	22.50
GPRS/EDGE(GMSK) 2 Tx slots	26.54	26.55	26.50	27.00	22.29	22.29	22.24	22.74
GPRS/EDGE(GMSK) 3 Tx slots	24.57	24.38	24.50	25.50	21.57	21.38	21.50	22.50
GPRS/EDGE(GMSK) 4 Tx slots	26.18	26.20	26.16	27.00	17.18	17.20	17.19	18.00
EDGE 1 Tx slot	24.44	24.41	24.38	25.00	18.44	18.41	18.38	19.00
EDGE 2 Tx slots	22.77	22.61	22.47	23.50	18.51	18.35	18.21	19.24
EDGE 3 Tx slots	20.69	20.57	20.50	21.50	17.69	17.57	17.50	18.50

<WCDMA>

Band	WCDMA 8_Art 13			Tune-up Limit	WCDMA 4_Art 13			Tune-up Limit	WCDMA V_Art 13			Tune-up Limit
	9262	9400	9538		1912	1413	1513		4132	4182	4233	
TX Channel	8668	9000	9698	(dBm)	1537	1638	1728	(dBm)	4587	4607	4455	(dBm)
Rx Channel	1852.4	1860	1907.6	(dBm)	1712.4	1752.6	1752.6	(dBm)	826.4	836.4	866.6	(dBm)
Frequency (MHz)	23.59	23.61	23.60	24.50	23.36	23.42	23.38	24.50	23.23	23.30	23.28	24.50
3GPP Rel 99	23.60	23.62	23.61	24.50	23.38	23.50	23.40	24.50	23.25	23.32	23.30	24.50
3GPP Rel 99	22.69	22.61	22.71	23.50	22.42	22.48	22.40	23.50	22.37	22.39	22.47	23.50
3GPP Rel 6	22.54	22.56	22.67	23.50	22.51	22.46	22.42	23.50	22.40	22.42	22.25	23.50
3GPP Rel 6	22.06	22.06	22.11	23.00	21.86	21.86	21.88	23.00	21.95	21.98	21.72	23.00
3GPP Rel 6	22.12	22.01	22.06	23.00	22.06	21.85	22.00	23.00	21.91	21.93	21.70	23.00
3GPP Rel 8	22.66	22.55	22.67	23.50	22.36	22.43	22.38	23.50	22.30	22.35	22.41	23.50
3GPP Rel 8	22.53	22.53	22.52	23.50	22.48	22.44	22.38	23.50	22.30	22.40	22.25	23.50
3GPP Rel 8	22.03	22.03	22.09	23.00	21.89	21.81	21.93	23.00	21.68	21.94	21.69	23.00
3GPP Rel 8	22.06	21.84	22.04	23.00	22.04	21.81	21.96	23.00	21.85	21.88	21.67	23.00
3GPP Rel 6	20.70	20.63	20.67	21.50	20.39	20.46	20.44	21.50	21.39	21.46	21.45	22.50
3GPP Rel 6	20.73	20.68	20.65	21.50	20.41	20.43	20.38	21.50	21.37	21.42	21.41	22.50
3GPP Rel 6	21.71	21.64	21.75	22.50	21.43	21.47	21.45	22.50	22.36	22.35	22.40	23.50
3GPP Rel 6	20.08	20.21	20.28	21.00	19.94	20.01	19.99	21.00	20.63	20.65	20.90	22.00
3GPP Rel 6	21.60	21.60	21.60	22.50	21.37	21.40	21.38	22.50	22.27	22.27	22.30	23.50
3GPP Rel 7	20.65	20.74	20.62	21.50	20.45	20.50	20.54	21.50	21.35	21.44	21.40	22.50

Band 2_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 Frequency (MHz)										
20	QPSK	1	0	23.35	23.42	23.35	24.6	0		
20	QPSK	1	49	23.53	23.66	23.59				
20	QPSK	1	99	23.34	23.31	23.27				
20	QPSK	50	0	22.33	22.49	22.38				
20	QPSK	50	24	22.51	22.58	22.50	23.6	1		
20	QPSK	50	50	22.29	22.34	22.20				
20	QPSK	100	0	22.48	22.50	22.36				
20	16QAM	1	0	22.32	22.43	22.31				
20	16QAM	1	49	22.75	22.82	22.74	23.6	1		
20	16QAM	1	99	22.35	22.41	22.36				
20	16QAM	50	0	21.45	21.45	21.31				
20	16QAM	50	24	21.30	21.43	21.42				
20	16QAM	50	50	21.20	21.29	21.19	22.6	2		
20	16QAM	100	0	21.24	21.32	21.30				
20	64QAM	1	0	21.58	21.65	21.60				
20	64QAM	1	49	21.79	21.89	21.80				
20	64QAM	1	99	21.43	21.45	21.39	21.6	3		
20	64QAM	50	0	20.45	20.48	20.40				
20	64QAM	50	24	20.41	20.47	20.33				
20	64QAM	50	50	20.29	20.32	20.26				
20	64QAM	100	0	20.25	20.39	20.36	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
15	QPSK	1	0	18.75	18.80	19.16			24.6	0
15	QPSK	1	37	23.46	23.63	23.54				
15	QPSK	1	74	23.27	23.36	23.13				
15	QPSK	36	0	22.19	22.37	22.20				
15	QPSK	36	20	22.50	22.50	22.46	23.6	1		
15	QPSK	36	36	22.16	22.20	22.19				
15	QPSK	75	0	22.41	22.49	22.28				
15	16QAM	1	0	22.28	22.43	22.31				
15	16QAM	1	37	22.66	22.76	22.62	23.6	1		
15	16QAM	1	74	22.24	22.26	22.28				
15	16QAM	36	0	21.41	21.50	21.27				
15	16QAM	36	20	21.23	21.39	21.28				
15	16QAM	36	39	21.14	21.17	21.14	22.6	2		
15	16QAM	75	0	21.12	21.28	21.21				
15	64QAM	1	0	21.54	21.56	21.59				
15	64QAM	1	37	21.76	21.85	21.71				
15	64QAM	1	74	21.44	21.39	21.35	22.6	2		
15	64QAM	36	0	20.41	20.44	20.37				
15	64QAM	36	20	20.38	20.41	20.23				
15	64QAM	36	39	20.29	20.19	20.20				
15	64QAM	75	0	20.10	20.34	20.28	21.6	3		
Channel Frequency (MHz)										
10	QPSK	1	0	18.50	18.60	19.50			24.6	0
10	QPSK	1	25	23.48	23.53	23.55				
10	QPSK	1	49	23.20	23.31	23.17				
10	QPSK	25	0	22.28	22.33	22.18				
10	QPSK	25	12	22.45	22.46	22.45	23.6	1		
10	QPSK	25	25	22.21	22.31	22.19				
10	QPSK	50	0	22.47	22.38	22.24				
10	16QAM	1	0	22.31	22.32	22.23				
10	16QAM	1	25	22.72	22.78	22.63	23.6	1		
10	16QAM	1	49	22.33	22.32	22.37				
10	16QAM	25	0	21.41	21.35	21.18				
10	16QAM	25	12	21.29	21.30	21.35				
10	16QAM	25	25	21.07	21.14	21.17	22.6	2		
10	16QAM	50	0	21.13	21.18	21.18				
10	64QAM	1	0	21.58	21.63	21.68				
10	64QAM	1	25	21.71	21.89	21.70				
10	64QAM	1	49	21.51	21.42	21.36	21.6	3		
10	64QAM	25	0	20.42	20.40	20.34				
10	64QAM	25	12	20.36	20.42	20.24				
10	64QAM	25	25	20.17	20.28	20.21				
10	64QAM	50	0	20.11	20.27	20.23	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
5	QPSK	1	0	18.25	18.30	18.75			24.6	0
5	QPSK	1	12	23.51	23.54	23.50				
5	QPSK	1	24	23.30	23.38	23.27				
5	QPSK	12	0	22.18	22.35	22.27				
5	QPSK	12	7	22.49	22.50	22.37	23.6	1		
5	QPSK	12	13	22.28	22.33	22.05				
5	QPSK	25	0	22.45	22.42	22.34				
5	16QAM	1	0	22.19	22.37	22.28				
5	16QAM	1	12	22.70	22.82	22.72	23.6	1		
5	16QAM	1	24	22.25	22.34	22.36				
5	16QAM	12	0	21.30	21.44	21.24				
5	16QAM	12	7	21.24	21.28	21.41				
5	16QAM	12	13	21.12	21.21	21.06	22.6	2		
5	16QAM	25	0	21.16	21.22	21.27				
5	64QAM	1	0	21.52	21.63	21.49				
5	64QAM	1	12	21.79	21.74	21.78				
5	64QAM	1	24	21.52	21.65	21.46	22.6	2		
5	64QAM	12	0	20.35	20.49	20.29				
5	64QAM	12	7	20.41	20.42	20.33				
5	64QAM	12	7	20.29	20.43	20.25				
5	64QAM	12	13	20.14	20.27	20.11	21.6	3		
5	64QAM	25	0	20.16	20.26	20.33				
Channel Frequency (MHz)										
3	QPSK	1	0	18.15	18.60	18.65	24.6	0		
3	QPSK	1	8	23.40	23.51	23.46				
3	QPSK	1	16	23.28	23.20	23.19				
3	QPSK	8	0	22.25	22.28	22.28				
3	QPSK	8	4	22.37	22.46	22.44	23.6	1		
3	QPSK	8	7	22.29	22.22	22.12				
3	QPSK	15	0	22.33	22.45	22.23				
3	16QAM	1	0	22.23	22.35	22.23				
3	16QAM	1	8	22.70	22.72	22.70	23.6	1		
3	16QAM	1	16	22.28	22.40	22.30				
3	16QAM	8	0	21.34	21.31	21.16				
3	16QAM	8	4	21.25	21.33	21.28				
3	16QAM	8	7	21.09	21.29	21.05	22.6	2		
3	16QAM	15	0	21.21	21.27	21.20				
3	64QAM	1	0	21.52	21.65	21.46				
3	64QAM	1	8	21.79	21.74	21.75				
3	64QAM	1	14	21.21	21.43	21.32	21.6	3		
3	64QAM	8	0	20.35	20.49	20.29				
3	64QAM	8	4	20.38	20.41	20.33				
3	64QAM	8	7	20.28	20.32	20.12				
Channel Frequency (MHz)										
1.4	QPSK	1	0	23.22	23.27	23.28	24.6	0		
1.4	QPSK	1	3	23.50	23.52	23.50				
1.4	QPSK	1	6	23.27	23.30	23.29				
1.4	QPSK	3	0	23.18	23.30	23.33				
1.4	QPSK	3	1	23.29	23.33	23.24	23.6	1		
1.4	QPSK	3	3	23.25	23.28	23.23				
1.4	QPSK	6	0	22.43	22.40	22.35				
1.4	16QAM	1	0	22.18	22.28	22.28				
1.4	16QAM	1	3	22.63	22.78	22.64	23.6	1		
1.4	16QAM	1	5	22.30	22.29	22.33				
1.4	16QAM	3	0	22.33	22.45	22.38				
1.4	16QAM	3	1	22.38	22.48	22.35				
1.4	16QAM	3	3	22.48	22.41	22.27	22.6	2		
1.4	16QAM	6	0	21.15	21.17	21.19				
1.4	64QAM	1	0	21.21	21.23	21.16				
1.4	64QAM	1	3	21.12	21.32	21.18				
1.4	64QAM	1	5	21.23	21.37	21.33	22.6	2		
1.4	64QAM	3	0	21.24	21.18	21.23				
1.4	64QAM	3	1	21.09	21.18	21.29				
1.4	64QAM	3	3	21.17	21.24	21.21				
1.4	64QAM	6	0	20.24	20.39	20.34	21.6	3		

Band 4_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 Frequency (MHz)								
20	QPSK	1	0	1720	1723.5	1725	24.5	0
20	QPSK	1	49	23.12	23.11	23.25		
20	QPSK	1	99	23.58	23.66	23.39		
20	QPSK	1	149	23.27	23.18	23.17		
20	QPSK	50	0	22.41	22.37	22.49	23.5	1
20	QPSK	50	24	22.61	22.64	22.37		
20	QPSK	50	50	22.54	22.49	22.42		
20	QPSK	100	0	22.53	22.57	22.35		
20	16QAM	1	0	22.78	22.84	22.66	23.5	1
20	16QAM	1	49	22.73	23.02	22.88		
20	16QAM	1	99	22.63	22.78	22.8		
20	16QAM	50	0	21.48	21.53	21.41	22.5	2
20	16QAM	50	24	21.51	21.48	21.48		
20	16QAM	50	50	21.5	21.44	21.35		
20	16QAM	100	0	21.36	21.41	21.27		
20	64QAM	1	0	21.56	21.68	21.69	22.5	2
20	64QAM	1	49	21.97	21.73	21.58		
20	64QAM	1	99	21.55	21.5	21.6		
20	64QAM	50	0	20.48	20.43	20.35		
20	64QAM	50	24	20.55	20.69	20.42	21.5	3
20	64QAM	50	50	20.53	20.52	20.42		
20	64QAM	100	0	20.5	20.44	20.4		
Channel Frequency (MHz)								
15	QPSK	1	0	20025	20175	20305	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	1717.2	1723.5	1727.5	24.5	0
15	QPSK	1	37	23.14	23.26	23.13		
15	QPSK	1	74	23.19	23.06	23.16		
15	QPSK	36	0	22.33	22.29	22.42		
15	QPSK	36	36	22.55	22.53	22.52	23.5	1
15	QPSK	36	72	22.44	22.48	22.39		
15	QPSK	72	0	22.44	22.48	22.21		
15	16QAM	1	0	22.65	22.49	22.54		
15	16QAM	1	37	22.73	23.05	22.83	23.5	1
15	16QAM	1	74	22.54	22.47	22.35		
15	16QAM	36	0	21.46	21.45	21.36		
15	16QAM	36	36	21.48	21.35	21.31	22.5	2
15	16QAM	36	72	21.42	21.31	21.26		
15	16QAM	72	0	21.34	21.31	21.13		
15	64QAM	1	0	21.56	21.50	21.59		
15	64QAM	1	37	21.80	21.59	21.48	22.5	2
15	64QAM	1	74	21.49	21.39	21.60		
15	64QAM	36	0	20.34	20.42	20.35	21.5	3
15	64QAM	36	36	20.55	20.56	20.38		
15	64QAM	36	72	20.41	20.44	20.40		
15	64QAM	72	0	20.42	20.31	20.38		
Channel Frequency (MHz)								
10	QPSK	1	0	20000	20175	20300	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	1743	1723.5	1725	24.5	0
10	QPSK	1	25	23.52	23.51	23.26		
10	QPSK	1	49	23.27	23.06	23.03		
10	QPSK	25	0	22.41	22.30	22.40		
10	QPSK	25	12	22.49	22.63	22.52	23.5	1
10	QPSK	25	25	22.42	22.42	22.20		
10	QPSK	50	0	22.38	22.49	22.23		
10	16QAM	1	0	22.67	22.53	22.66		
10	16QAM	1	25	22.60	22.64	22.65	23.5	1
10	16QAM	1	49	22.59	22.75	22.71		
10	16QAM	25	0	21.34	21.43	21.35		
10	16QAM	25	12	21.42	21.34	21.38	22.5	2
10	16QAM	25	25	21.43	21.40	21.27		
10	16QAM	50	0	21.26	21.34	21.25		
10	64QAM	1	0	21.55	21.55	21.63		
10	64QAM	1	25	21.75	21.62	21.58	22.5	2
10	64QAM	1	49	21.52	21.49	21.45		
10	64QAM	25	0	20.45	20.36	20.41	21.5	3
10	64QAM	25	12	20.47	20.66	20.37		
10	64QAM	25	25	20.50	20.52	20.27		
10	64QAM	50	0	20.48	20.43	20.44		
Channel Frequency (MHz)								
5	QPSK	1	0	1743.5	1723.5	1723.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	23.54	23.51	23.25	24.5	0
5	QPSK	1	24	23.15	23.06	23.08		
5	QPSK	12	0	22.28	22.35	22.45		
5	QPSK	12	7	22.55	22.49	22.48		
5	QPSK	12	13	22.43	22.42	22.38	23.5	1
5	QPSK	25	0	22.48	22.57	22.35		
5	16QAM	1	0	22.74	22.51	22.63		
5	16QAM	1	12	22.72	22.79	22.79		
5	16QAM	1	24	22.53	22.76	22.77	23.5	1
5	16QAM	12	0	21.45	21.42	21.28		
5	16QAM	12	7	21.51	21.54	21.55		
5	16QAM	12	13	21.45	21.35	21.25	22.5	2
5	16QAM	25	0	21.28	21.37	21.26		
5	64QAM	1	0	21.53	21.51	21.55		
5	64QAM	1	12	21.78	21.65	21.47		
5	64QAM	1	24	21.44	21.46	21.59	22.5	2
5	64QAM	12	0	20.36	20.37	20.37		
5	64QAM	12	7	20.54	20.59	20.40		
5	64QAM	12	13	20.44	20.47	20.35		
5	64QAM	25	0	20.37	20.37	20.39	21.5	3
Channel Frequency (MHz)								
3	QPSK	1	0	1743.5	1723.5	1723.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	8	23.45	23.63	23.28	24.5	0
3	QPSK	1	14	23.13	23.06	23.15		
3	QPSK	8	0	22.41	22.33	22.36		
3	QPSK	8	4	22.58	22.55	22.56		
3	QPSK	8	7	22.46	22.46	22.38	23.5	1
3	QPSK	15	0	22.50	22.47	22.22		
3	16QAM	1	0	22.70	22.62	22.60		
3	16QAM	1	8	22.60	22.80	22.85		
3	16QAM	1	14	22.50	22.72	22.74	23.5	1
3	16QAM	8	0	21.33	21.50	21.31		
3	16QAM	8	7	21.42	21.52	21.48		
3	16QAM	8	7	21.49	21.39	21.32	22.5	2
3	16QAM	15	0	21.35	21.29	21.20		
3	64QAM	1	0	21.55	21.46	21.57		
3	64QAM	1	8	21.86	21.70	21.57		
3	64QAM	1	14	21.54	21.39	21.59	22.5	2
3	64QAM	8	0	20.47	20.35	20.38		
3	64QAM	8	4	20.48	20.60	20.38		
3	64QAM	8	7	20.35	20.37	20.34		
3	64QAM	15	0	20.41	20.25	20.35	21.5	3
Channel Frequency (MHz)								
1.4	QPSK	1	0	19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	1743.5	1723.5	1723.5	24.5	0
1.4	QPSK	1	3	23.52	23.62	23.24		
1.4	QPSK	1	14	23.22	23.05	23.17		
1.4	QPSK	3	0	23.08	23.27	23.10		
1.4	QPSK	3	1	23.10	23.27	23.18	23.5	1
1.4	QPSK	3	23.08	23.39	23.13			
1.4	QPSK	6	0	22.53	22.54	22.34		
1.4	16QAM	1	0	22.53	22.54	22.41		
1.4	16QAM	1	22	22.42	22.46	22.28	23.5	1
1.4	16QAM	1	5	22.39	22.49	22.44		
1.4	16QAM	3	0	22.53	22.45	22.25		
1.4	16QAM	3	22.51	22.63	22.25			
1.4	16QAM	3	3	22.46	22.38	22.29	22.5	2
1.4	16QAM	6	0	21.27	21.41	21.15		
1.4	64QAM	1	0	21.52	21.52	21.50		
1.4	64QAM	1	3	21.85	21.66	21.42		
1.4	64QAM	1	5	21.50	21.40	21.49	22.5	2
1.4	64QAM	1	14	21.44	21.40	21.32		
1.4	64QAM	3	1	21.35	21.42	21.35		
1.4	64QAM	3	3	21.35	21.35	21.32		
1.4	64QAM	6	0	20.48	20.35	20.35	21.5	3

Band 5_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 240.0	Power Middle Ch./ Freq. 202.5	Power High Ch./ Freq. 240.0	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.08	23.19	23.03	24.5	0
10	QPSK	1	25	23.20	23.22	23.11		
10	QPSK	1	49	23.11	23.11	22.99		
10	QPSK	25	0	22.03	22.13	22.09	23.5	1
10	QPSK	25	12	22.23	22.24	22.22		
10	QPSK	25	25	22.02	22.10	22.03		
10	QPSK	50	0	22.15	22.20	22.18	23.5	1
10	16QAM	1	0	22.55	22.67	22.67		
10	16QAM	1	25	22.76	22.77	22.75		
10	16QAM	1	49	22.99	22.73	22.60	22.5	2
10	16QAM	25	0	21.05	21.07	20.95		
10	16QAM	25	12	21.29	21.31	21.31		
10	16QAM	25	25	20.83	21.04	20.98	22.5	2
10	16QAM	50	0	21.07	21.11	21.02		
10	64QAM	1	0	21.49	21.50	21.39		
10	64QAM	1	25	21.53	21.54	21.49	21.5	3
10	64QAM	1	49	21.40	21.46	21.45		
10	64QAM	25	0	20.18	20.19	20.16		
10	64QAM	25	12	20.22	20.27	20.20	Tune-up limit (dBm)	MPR (dB)
10	64QAM	25	25	20.04	20.14	20.03		
10	64QAM	50	0	20.17	20.22	20.16		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							844.5	
5	QPSK	1	0	23.04	23.05	22.90	24.5	0
5	QPSK	1	12	23.17	23.08	22.95		
5	QPSK	1	24	23.02	23.06	22.91		
5	QPSK	12	0	21.99	22.07	21.98	23.5	1
5	QPSK	12	7	22.09	22.23	22.06		
5	QPSK	12	13	21.92	22.00	22.00		
5	QPSK	25	0	22.06	22.07	22.05	23.5	1
5	16QAM	1	0	22.50	22.61	22.56		
5	16QAM	1	12	22.74	22.73	22.75		
5	16QAM	1	24	22.57	22.58	22.48	22.5	2
5	16QAM	12	0	20.90	20.99	20.92		
5	16QAM	12	7	21.29	21.19	21.17		
5	16QAM	12	13	20.83	20.90	20.91	22.5	2
5	16QAM	25	0	20.95	20.96	20.97		
5	64QAM	1	0	21.47	21.47	21.29		
5	64QAM	1	12	21.52	21.52	21.46	21.5	3
5	64QAM	1	24	21.30	21.38	21.45		
5	64QAM	12	0	20.09	20.07	20.12		
5	64QAM	12	7	20.13	20.12	20.11	Tune-up limit (dBm)	MPR (dB)
5	64QAM	12	13	19.94	20.03	19.89		
5	64QAM	25	0	20.08	20.13	20.11		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							844.5	
3	QPSK	1	0	22.93	23.05	22.90	24.5	0
3	QPSK	1	8	23.17	23.09	23.06		
3	QPSK	1	14	23.02	23.11	22.90		
3	QPSK	8	0	21.93	22.10	21.99	23.5	1
3	QPSK	8	4	22.17	22.16	22.14		
3	QPSK	8	7	21.91	22.09	21.92		
3	QPSK	15	0	22.06	22.18	22.14	23.5	1
3	16QAM	1	0	22.40	22.70	22.63		
3	16QAM	1	8	22.65	22.74	22.69		
3	16QAM	1	14	22.45	22.70	22.46	22.5	2
3	16QAM	8	0	21.00	21.00	20.93		
3	16QAM	8	4	21.26	21.24	21.21		
3	16QAM	8	7	20.87	21.01	20.84	22.5	2
3	16QAM	15	0	20.84	21.04	20.87		
3	64QAM	1	0	21.48	21.48	21.30		
3	64QAM	1	8	21.51	21.50	21.43	21.5	3
3	64QAM	1	14	21.32	21.33	21.32		
3	64QAM	8	0	20.06	20.10	20.04		
3	64QAM	8	4	20.07	20.15	20.17	Tune-up limit (dBm)	MPR (dB)
3	64QAM	8	7	20.04	20.08	19.99		
3	64QAM	15	0	20.02	20.11	20.02		
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
							844.3	
1.4	QPSK	1	0	23.03	23.10	23.00	24.5	0
1.4	QPSK	1	3	23.20	23.09	23.02		
1.4	QPSK	1	5	23.05	23.07	22.96		
1.4	QPSK	3	0	23.08	23.08	22.89	23.5	1
1.4	QPSK	3	1	23.02	22.98	22.84		
1.4	QPSK	3	3	23.03	23.06	22.96		
1.4	QPSK	6	0	22.04	22.17	22.04	22.5	2
1.4	16QAM	1	0	22.43	22.68	22.62		
1.4	16QAM	1	3	22.67	22.66	22.74		
1.4	16QAM	1	5	22.57	22.62	22.46	21.5	3
1.4	16QAM	3	0	22.46	22.66	22.55		
1.4	16QAM	3	1	22.43	22.58	22.56		
1.4	16QAM	3	3	22.52	22.64	22.54	22.5	2
1.4	16QAM	6	0	21.07	21.00	20.99		
1.4	16QAM	1	0	21.47	21.35	21.31		
1.4	64QAM	1	3	21.47	21.44	21.43	21.5	3
1.4	64QAM	1	5	21.31	21.45	21.41		
1.4	64QAM	3	0	21.07	21.09	21.01		
1.4	64QAM	3	1	21.07	21.08	21.01	Tune-up limit (dBm)	MPR (dB)
1.4	64QAM	3	3	21.05	20.99	21.02		
1.4	64QAM	6	0	20.15	20.15	20.14		

Band 7_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 Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.19	21.13	21.01	22	0
20	QPSK	1	49	21.33	21.37	21.31		
20	QPSK	1	99	21.27	21.33	21.15		
20	QPSK	50	0	21.26	21.32	21.18	22	0
20	QPSK	50	24	21.35	21.35	21.35		
20	QPSK	50	50	21.31	21.28	21.18		
20	16QAM	100	0	21.30	21.31	21.23	22	0
20	16QAM	1	0	21.30	21.36	21.31		
20	16QAM	1	49	21.36	21.34	21.28		
20	16QAM	1	99	21.35	21.35	21.15	22	0
20	16QAM	50	0	21.26	21.34	21.18		
20	16QAM	50	24	21.29	21.36	21.31		
20	16QAM	50	50	21.31	21.21	21.34	22	0
20	16QAM	100	0	21.27	21.31	21.23		
20	64QAM	1	0	21.32	21.20	21.33		
20	64QAM	1	49	21.28	21.28	21.28	22	0
20	64QAM	1	99	21.35	21.28	21.31		
20	64QAM	50	0	20.40	20.31	20.18		
20	64QAM	50	24	20.54	20.36	20.39	21	1
20	64QAM	50	50	20.45	20.32	20.35		
20	64QAM	100	0	20.42	20.39	20.24		
Channel Frequency (MHz)				2507.5	25150	25375	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	0	21.13	21.07	20.98	22	0
15	QPSK	1	37	21.30	21.29	21.24		
15	QPSK	1	74	21.23	21.31	21.10		
15	QPSK	36	0	21.14	21.22	21.09	22	0
15	QPSK	36	20	21.28	21.28	21.30		
15	QPSK	36	39	21.23	21.25	21.08		
15	QPSK	75	0	21.28	21.28	21.13	22	0
15	16QAM	1	0	21.19	21.28	21.28		
15	16QAM	1	37	21.28	21.32	21.23		
15	16QAM	1	74	21.25	21.03	21.05	22	0
15	16QAM	36	0	21.24	21.31	21.07		
15	16QAM	36	20	21.25	21.30	21.23		
15	16QAM	36	39	21.28	21.19	21.31	22	0
15	16QAM	75	0	21.25	21.21	21.18		
15	64QAM	1	0	21.22	21.15	21.23		
15	64QAM	1	37	21.26	21.25	21.21	22	0
15	64QAM	1	74	21.24	21.21	21.23		
15	64QAM	36	0	20.37	20.20	20.10		
15	64QAM	36	20	20.47	20.33	20.33	21	1
15	64QAM	36	39	20.42	20.10	20.28		
15	64QAM	75	0	20.32	20.37	20.12		
Channel Frequency (MHz)				25080	25100	25160	Tune-up limit (dBm)	MPR (dB)
				2503	2535	2565		
10	QPSK	1	0	21.13	21.02	20.84	22	0
10	QPSK	1	25	21.23	21.28	21.24		
10	QPSK	1	49	21.22	21.21	21.08		
10	QPSK	25	0	21.14	21.20	21.09	22	0
10	QPSK	25	12	21.30	21.27	21.20		
10	QPSK	25	25	21.26	21.24	21.15		
10	QPSK	50	0	21.26	21.00	21.00	22	0
10	16QAM	1	0	21.22	21.33	21.23		
10	16QAM	1	25	21.30	21.29	21.18		
10	16QAM	1	49	21.31	21.00	21.00	22	0
10	16QAM	25	0	21.22	21.23	21.09		
10	16QAM	25	12	21.17	21.33	21.25		
10	16QAM	25	25	21.21	21.15	21.15	22	0
10	16QAM	50	0	21.19	21.34	21.13		
10	64QAM	1	0	21.28	21.16	21.30		
10	64QAM	1	25	21.17	21.21	21.21	22	0
10	64QAM	1	49	21.26	21.14	21.21		
10	64QAM	25	0	20.32	20.26	20.07		
10	64QAM	25	12	20.47	20.31	20.30	21	1
10	64QAM	25	25	20.42	20.12	20.27		
10	64QAM	50	0	20.32	20.35	20.15		
Channel Frequency (MHz)				2507.5	25100	25225	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
5	QPSK	1	0	21.15	21.08	20.94	22	0
5	QPSK	1	12	21.26	21.30	21.26		
5	QPSK	1	24	21.24	21.31	21.03		
5	QPSK	12	0	21.15	21.26	21.09	22	0
5	QPSK	12	7	21.27	21.31	21.26		
5	16QAM	12	13	21.20	21.34	21.16		
5	QPSK	25	0	21.24	21.27	21.21	22	0
5	16QAM	1	0	21.25	21.33	21.26		
5	16QAM	12	1	21.29	21.31	21.21		
5	16QAM	1	24	21.26	21.02	21.07	22	0
5	16QAM	12	0	21.15	21.28	21.12		
5	16QAM	12	7	21.23	21.29	21.24		
5	16QAM	12	13	21.23	21.19	21.32	22	0
5	16QAM	25	0	21.15	21.26	21.15		
5	64QAM	1	0	21.25	21.12	21.31		
5	64QAM	1	12	21.22	21.25	21.25	22	0
5	64QAM	1	24	21.25	21.16	21.27		
5	64QAM	12	0	20.35	20.25	20.10		
5	64QAM	12	7	20.48	20.32	20.30	21	1
5	64QAM	12	13	20.41	20.17	20.33		
5	64QAM	25	0	20.39	20.33	20.19		

Band 12_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				2300	2306	2318	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.80	22.72	22.84		
10	QPSK	1	25	22.80	23.01	22.84		
10	QPSK	1	49	22.83	22.85	22.89	23	1
10	QPSK	25	0	21.66	21.83	21.80		
10	QPSK	25	12	21.66	21.83	21.71		
10	QPSK	25	25	21.80	21.87	21.83		
10	QPSK	50	0	21.79	21.98	21.95	23	1
10	16QAM	1	0	21.74	22.37	22.08		
10	16QAM	1	25	22.11	22.11	22.57		
10	16QAM	1	49	22.82	22.53	22.12		
10	16QAM	25	0	20.72	20.98	20.84	22	2
10	16QAM	25	12	21.00	20.92	20.94		
10	16QAM	25	25	20.96	20.92	20.79		
10	16QAM	50	0	20.84	20.88	20.90		
10	64QAM	1	0	20.88	21.22	21.22	22	2
10	64QAM	1	25	21.37	21.40	21.35		
10	64QAM	1	49	21.33	21.14	20.96		
10	64QAM	25	0	19.82	19.93	19.86		
10	64QAM	25	12	20.10	20.06	19.99	21	3
10	64QAM	25	25	19.99	19.94	19.94		
10	64QAM	50	0	19.95	19.94	20.00		
Channel				2305	2306	2315	24	0
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.73	22.64	22.76		
5	QPSK	1	12	22.83	22.66	22.87		
5	QPSK	1	24	22.99	22.71	22.87	23	1
5	QPSK	12	0	21.54	21.74	21.65		
5	QPSK	12	7	21.66	21.74	21.68		
5	QPSK	12	13	21.69	21.84	21.73		
5	QPSK	25	0	21.71	21.98	21.85	23	1
5	16QAM	1	0	21.72	22.02	21.95		
5	16QAM	1	12	21.97	22.06	22.45		
5	16QAM	1	24	22.41	22.41	22.07		
5	16QAM	12	0	20.66	20.83	20.71	22	2
5	16QAM	12	7	20.91	20.92	20.79		
5	16QAM	12	13	20.90	20.92	20.66		
5	16QAM	25	0	20.81	20.78	20.83		
5	64QAM	1	0	20.84	21.10	21.12	22	2
5	64QAM	1	12	21.28	21.27	21.33		
5	64QAM	1	24	21.31	21.09	20.95		
5	64QAM	12	0	19.82	19.80	19.84		
5	64QAM	12	7	19.97	19.96	19.88	21	3
5	64QAM	12	13	19.97	19.85	19.80		
5	64QAM	25	0	19.83	19.89	19.85		
Channel				23025	23095	23195	24	0
Frequency (MHz)				701.5	702.5	714.5		
3	QPSK	1	0	22.77	22.62	22.78		
3	QPSK	1	8	22.91	22.58	22.78		
3	QPSK	1	14	22.78	22.75	22.60	23	1
3	QPSK	8	0	21.83	21.80	21.74		
3	QPSK	8	4	21.85	21.75	21.75		
3	QPSK	8	7	21.97	21.82	21.74		
3	QPSK	15	0	21.78	21.85	21.90	23	1
3	16QAM	1	0	21.70	22.28	22.04		
3	16QAM	1	8	21.96	22.06	22.54		
3	16QAM	1	14	22.46	22.38	22.08		
3	16QAM	8	0	20.57	20.80	20.72	22	2
3	16QAM	8	4	20.87	20.81	20.80		
3	16QAM	8	7	20.94	20.88	20.79		
3	16QAM	15	0	20.62	20.82	20.90		
3	64QAM	1	0	20.80	21.16	21.13	22	2
3	64QAM	1	8	21.37	21.30	21.23		
3	64QAM	1	14	21.33	21.02	20.74		
3	64QAM	8	0	19.87	19.88	19.83		
3	64QAM	8	4	20.04	19.94	19.85	21	3
3	64QAM	8	7	19.86	19.89	19.84		
3	64QAM	15	0	19.88	19.93	19.90		
Channel				23017	23095	23173	24	0
Frequency (MHz)				699.7	702.5	714.3		
1.4	QPSK	1	0	22.70	22.74	22.81		
1.4	QPSK	1	3	22.80	22.81	22.85		
1.4	QPSK	1	5	22.80	22.65	22.72	23	1
1.4	QPSK	3	0	22.79	22.82	22.71		
1.4	QPSK	3	1	22.69	22.83	22.74		
1.4	QPSK	3	3	22.81	22.82	22.70		
1.4	QPSK	6	0	21.82	21.87	21.88	23	1
1.4	16QAM	1	0	22.27	21.89	21.92		
1.4	16QAM	1	3	22.19	22.19	21.95		
1.4	16QAM	1	5	21.94	21.97	21.87		
1.4	16QAM	3	0	21.70	21.77	21.78	23	1
1.4	16QAM	3	1	21.83	21.93	21.91		
1.4	16QAM	3	3	21.84	21.73	21.90		
1.4	16QAM	6	0	21.07	21.05	20.99		
1.4	64QAM	1	0	21.25	21.03	20.85	22	2
1.4	64QAM	1	3	21.24	20.89	20.94		
1.4	64QAM	1	5	20.90	21.05	21.19		
1.4	64QAM	3	0	20.95	21.23	21.24		
1.4	64QAM	3	1	21.10	20.76	21.13	22	2
1.4	64QAM	3	3	21.07	21.12	20.99		
1.4	64QAM	6	0	19.95	19.95	19.94		
1.4	64QAM	6	0	19.95	19.95	19.94		

Band 13_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				2300	762		24	0
Frequency (MHz)				704				
10	QPSK	1	0		23.01			
10	QPSK	1	25		23.05			
10	QPSK	1	49		22.98		23	1
10	QPSK	25	0		21.80			
10	QPSK	25	12		21.98			
10	QPSK	25	25		21.89			
10	QPSK	50	0		21.90		23	1
10	16QAM	1	0		22.25			
10	16QAM	1	25		22.37			
10	16QAM	25	0		20.98			
10	16QAM	25	12		21.15		22	2
10	16QAM	25	25		20.96			
10	16QAM	50	0		20.96			
10	64QAM	1	0		21.15			
10	64QAM	1	25		21.08		22	2
10	64QAM	1	49		21.32			
10	64QAM	25	0		19.90			
10	64QAM	25	12		20.08			
10	64QAM	25	25		19.94		21	3
10	64QAM	50	0		19.85			
Channel				23005	762	23255	24	0
Frequency (MHz)				779.5		784.5		
5	QPSK	1	0	22.99	22.95	22.98		
5	QPSK	1	12	22.86	22.82	22.93		
5	QPSK	1	24	22.83	22.83	22.98	23	1
5	QPSK	12	0	21.79	21.72	21.76		
5	QPSK	12	7	21.90	21.97	21.88		
5	QPSK	12	13	21.84	21.78	21.89		
5	QPSK	25	0	21.88	21.77	21.84	23	1
5	16QAM	1	0	22.21	22.20	22.12		
5	16QAM	1	12	22.37	22.29	22.27		
5	16QAM	1	24	22.32	22.28	22.37		
5	16QAM	12	0	20.72	20.84	20.73	22	2
5	16QAM	12	7	21.01	21.11	21.10		
5	16QAM	12	13	20.88	20.83	20.88		
5	16QAM	25	0	20.85	20.88	20.85		
5	64QAM	1	0	21.00	21.07	21.07	22	2
5	64QAM	1	12	21.06	21.04	21.06		
5	64QAM	1	24	21.22	21.24	21.24		
5	64QAM	12	0	19.90	19.82	19.89		
5	64QAM	12	7	20.02	19.97	20.02	21	3
5	64QAM	12	13	19.81	19.85	19.94		
5	64QAM	25	0	19.80	19.80	19.76		
5	64QAM	25	0	19.80	19.80	19.76		

Band 17_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 Frequency (MHz)				23740	23760	23800	24	0
10	QPSK	1	0	22.73	22.85	22.86		
10	QPSK	1	25	22.73	22.85	22.86		
10	QPSK	1	49	22.86	22.86	22.93	23	1
10	QPSK	25	0	21.80	21.77	21.72		
10	QPSK	25	12	21.83	21.50	21.53		
10	QPSK	25	25	21.81	21.84	21.75	23	1
10	QPSK	50	0	21.81	21.88	21.78		
10	16QAM	1	0	22.08	22.04	22.35		
10	16QAM	1	25	22.49	22.05	22.05	22	2
10	16QAM	1	49	22.35	22.05	22.23		
10	16QAM	25	0	20.86	20.82	20.77		
10	16QAM	25	12	20.88	20.94	20.87	22	2
10	16QAM	25	25	21.00	20.84	20.84		
10	16QAM	50	0	20.81	20.83	20.83		
10	64QAM	1	0	21.19	21.16	21.14	22	2
10	64QAM	1	25	21.39	21.27	21.21		
10	64QAM	1	49	21.12	21.16	21.09		
10	64QAM	25	0	19.94	19.88	19.89	21	3
10	64QAM	25	12	20.00	19.92	19.98		
10	64QAM	25	25	19.95	19.88	19.78		
10	64QAM	50	0	19.86	19.88	19.83	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23755	23760	23765		
5	QPSK	1	0	22.58	22.72	22.86	24	0
5	QPSK	1	12	22.87	22.86	22.86		
5	QPSK	1	24	22.74	22.76	22.85		
5	QPSK	12	0	21.74	21.7	21.67	23	1
5	QPSK	12	7	21.75	21.78	21.8		
5	QPSK	12	13	21.69	21.81	21.73		
5	QPSK	25	0	21.76	21.82	21.68	23	1
5	16QAM	1	0	22.04	22.01	22.28		
5	16QAM	1	12	22.48	22.05	22.1		
5	16QAM	1	24	22.22	22.03	22.14	22	2
5	16QAM	12	0	20.79	20.69	20.74		
5	16QAM	12	7	20.79	20.93	20.73		
5	16QAM	12	13	20.91	20.72	20.82	22	2
5	16QAM	25	0	20.76	20.68	20.68		
5	64QAM	1	0	21.11	21.09	21.09		
5	64QAM	1	12	21.32	21.18	21.07	22	2
5	64QAM	1	24	21.06	21.12	21.06		
5	64QAM	12	0	19.87	19.73	19.76		
5	64QAM	12	7	19.98	19.86	19.84	21	3
5	64QAM	12	13	19.8	19.77	19.71		
5	64QAM	25	0	19.71	19.75	19.79		

Band 18_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 Frequency (MHz)				23825	23825	23825	24.5	0
15	QPSK	1	0	22.97	22.97	22.97		
15	QPSK	1	37	23.20	23.20	23.20		
15	QPSK	1	74	23.00	23.00	23.00	23.5	1
15	QPSK	36	0	22.12	22.12	22.12		
15	QPSK	36	20	22.31	22.31	22.31		
15	QPSK	36	39	22.25	22.25	22.25	23.5	1
15	QPSK	75	0	22.23	22.23	22.23		
15	16QAM	1	0	22.24	22.24	22.24		
15	16QAM	1	37	22.51	22.51	22.51	22.5	2
15	16QAM	36	74	22.53	22.53	22.53		
15	16QAM	36	0	21.17	21.17	21.17		
15	16QAM	36	20	21.27	21.27	21.27	22.5	2
15	16QAM	36	39	21.16	21.16	21.16		
15	16QAM	75	0	21.08	21.08	21.08		
15	64QAM	1	0	21.17	21.17	21.17	22.5	2
15	64QAM	1	37	21.38	21.38	21.38		
15	64QAM	1	74	21.01	21.01	21.01		
15	64QAM	36	0	20.24	20.24	20.24	21.5	3
15	64QAM	36	20	20.19	20.19	20.19		
15	64QAM	36	39	20.25	20.25	20.25		
15	64QAM	75	0	20.16	20.16	20.16	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				23830	23825	23850		
10	QPSK	1	0	22.92	22.91	22.86	24.5	0
10	QPSK	1	25	23.17	23.09	23.18		
10	QPSK	1	49	22.93	22.89	22.87		
10	QPSK	25	0	22.00	22.05	22.00	23.5	1
10	QPSK	25	12	22.17	22.17	22.23		
10	QPSK	25	25	22.25	22.14	22.14		
10	QPSK	50	0	22.23	22.20	22.21	23.5	1
10	16QAM	1	0	22.09	22.13	22.23		
10	16QAM	1	25	22.42	22.47	22.40		
10	16QAM	1	49	22.49	22.53	22.44	22.5	2
10	16QAM	25	0	21.05	21.02	21.13		
10	16QAM	25	12	21.13	21.22	21.15		
10	16QAM	25	25	21.13	21.07	21.16	22.5	2
10	16QAM	50	0	21.18	21.19	21.16		
10	64QAM	1	0	21.02	21.11	21.08		
10	64QAM	1	25	21.34	21.29	21.38	22.5	2
10	64QAM	1	49	20.93	20.89	20.88		
10	64QAM	25	0	20.24	20.21	20.23		
10	64QAM	25	12	20.10	20.09	20.18	21.5	3
10	64QAM	25	25	20.23	20.17	20.14		
10	64QAM	50	0	20.08	20.09	20.08		
Channel Frequency (MHz)				23875	23825	23975	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.93	22.91	22.96		
5	QPSK	1	12	23.16	23.17	23.13		
5	QPSK	1	24	22.98	22.97	22.97	24.5	0
5	QPSK	12	0	22.01	22.01	22.06		
5	QPSK	12	7	22.19	22.27	22.28		
5	QPSK	12	13	22.22	22.14	22.18	23.5	1
5	QPSK	25	0	22.12	22.18	22.22		
5	16QAM	1	0	22.17	22.09	22.23		
5	16QAM	1	12	22.39	22.42	22.37	23.5	1
5	16QAM	1	24	22.50	22.52	22.53		
5	16QAM	12	0	21.02	21.03	21.09		
5	16QAM	12	7	21.20	21.22	21.21	22.5	2
5	16QAM	12	13	21.16	21.10	21.08		
5	16QAM	25	0	21.29	21.17	21.18		
5	64QAM	1	0	21.07	21.17	21.02	22.5	2
5	64QAM	1	12	21.32	21.23	21.37		
5	64QAM	1	24	20.95	21.00	20.90		
5	64QAM	12	0	20.21	20.10	20.22	21.5	3
5	64QAM	12	7	20.07	20.10	20.11		
5	64QAM	12	13	20.20	20.10	20.12		
5	64QAM	25	0	20.05	20.09	20.12		

Band 19_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 Frequency (MHz)				24025	24075	24100	24.5	0
15	QPSK	1	0	23.02	22.97	23.06		
15	QPSK	1	37	23.15	23.18	23.12	23.5	1
15	QPSK	1	74	23.05	22.95	23.05		
15	QPSK	36	0	22.19	22.19	22.19	22.5	2
15	QPSK	36	20	22.34	22.34	22.34		
15	QPSK	36	39	22.06	22.06	22.06	22.5	2
15	QPSK	75	0	22.16	22.16	22.16		
15	16QAM	1	0	22.31	22.31	22.31	23.5	1
15	16QAM	1	37	22.37	22.37	22.37		
15	16QAM	1	74	22.45	22.45	22.45	22.5	2
15	16QAM	36	0	21.09	21.09	21.09		
15	16QAM	36	20	21.26	21.26	21.26	22.5	2
15	16QAM	36	39	21.20	21.20	21.20		
15	16QAM	75	0	21.19	21.19	21.19	22.5	2
15	64QAM	1	0	21.50	21.50	21.50		
15	64QAM	1	37	21.07	21.07	21.07	22.5	2
15	64QAM	1	74	21.15	21.15	21.15		
15	64QAM	36	0	20.23	20.23	20.23	21.5	3
15	64QAM	36	20	20.32	20.32	20.32		
15	64QAM	36	39	20.14	20.14	20.14	21.5	3
15	64QAM	75	0	20.18	20.18	20.18		
Channel Frequency (MHz)				24050	24075	24100	24.5	0
10	QPSK	1	0	23.02	22.97	23.06		
10	QPSK	1	25	23.15	23.18	23.12	23.5	1
10	QPSK	1	49	22.98	22.91	23.04		
10	QPSK	25	0	22.08	22.16	22.17	23.5	1
10	QPSK	25	12	22.11	22.24	22.14		
10	QPSK	25	25	21.99	21.92	21.96	23.5	1
10	QPSK	50	0	22.07	22.13	22.12		
10	16QAM	1	0	22.26	22.23	22.18	23.5	1
10	16QAM	1	25	22.35	22.36	22.29		
10	16QAM	1	49	22.30	22.32	22.31	22.5	2
10	16QAM	25	0	21.03	21.08	21.03		
10	16QAM	25	12	21.12	21.26	21.24	22.5	2
10	16QAM	25	25	21.07	21.08	21.06		
10	64QAM	1	0	21.14	21.04	21.08	22.5	2
10	64QAM	1	25	20.98	20.99	20.99		
10	64QAM	1	49	21.06	21.05	21.07	21.5	3
10	64QAM	25	0	20.08	20.12	20.11		
10	64QAM	25	12	20.26	20.18	20.31	21.5	3
10	64QAM	25	25	20.12	19.99	20.14		
10	64QAM	50	0	20.17	20.07	20.03	21.5	3
Channel Frequency (MHz)				24025	24075	24125		
5	QPSK	1	0	22.94	22.94	22.95	24.5	0
5	QPSK	1	12	23.14	23.14	23.06		
5	QPSK	1	24	22.96	23.01	22.94	23.5	1
5	QPSK	12	0	22.04	22.05	22.06		
5	QPSK	12	7	22.23	22.24	22.24	23.5	1
5	QPSK	12	13	22.04	21.93	21.94		
5	QPSK	25	0	22.07	22.03	22.13	23.5	1
5	16QAM	1	0	22.27	22.20	22.28		
5	16QAM	1	12	22.23	22.36	22.27	23.5	1
5	16QAM	1	24	22.41	22.34	22.35		
5	16QAM	12	0	20.96	21.04	20.97	22.5	2
5	16QAM	12	7	21.14	21.18	21.21		
5	16QAM	12	13	21.11	21.12	21.10	22.5	2
5	64QAM	1	0	21.04	21.08	21.16		
5	64QAM	1	12	21.00	21.00	21.05	22.5	2
5	64QAM	1	24	21.05	21.13	21.09		
5	64QAM	12	0	20.18	20.15	20.12	21.5	3
5	64QAM	12	7	20.23	20.20	20.19		
5	64QAM	12	13	20.06	20.09	20.01	21.5	3
5	64QAM	25	0	20.10	20.16	20.03		

Band 26_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 Frequency (MHz)							24.5	0
15	QPSK	1	0	23.26	23.41	23.40		
15	QPSK	1	37	23.50	23.71	23.62	23.5	1
15	QPSK	1	74	23.29	23.40	23.38		
15	QPSK	36	0	22.34	22.47	22.46	23.5	1
15	QPSK	36	20	22.58	22.72	22.59		
15	QPSK	36	39	22.39	22.49	22.38	23.5	1
15	QPSK	75	0	22.60	22.65	22.62		
15	16QAM	1	0	23.01	23.01	22.98	23.5	1
15	16QAM	1	37	22.89	23.03	23.01		
15	16QAM	1	74	22.81	22.93	22.88	22.5	2
15	16QAM	36	0	21.37	21.47	21.44		
15	16QAM	36	20	21.49	21.83	21.58	22.5	2
15	16QAM	36	39	21.51	21.52	21.41		
15	16QAM	75	0	21.39	21.45	21.31	22.5	2
15	64QAM	1	0	21.84	21.91	21.86		
15	64QAM	1	37	21.92	21.97	21.85	22.5	2
15	64QAM	1	74	21.70	21.74	21.73		
15	64QAM	36	0	20.42	20.55	20.44	21.5	3
15	64QAM	36	20	20.45	20.58	20.51		
15	64QAM	36	39	20.43	20.51	20.40	21.5	3
15	64QAM	75	0	20.31	20.45	20.30		
Channel Frequency (MHz)							24.5	MPR (dB)
10	QPSK	1	0	23.10	23.15	23.14		
10	QPSK	1	25	23.15	23.46	23.40	23.5	1
10	QPSK	1	49	23.16	23.38	23.38		
10	QPSK	25	0	22.23	22.47	22.36	23.5	1
10	QPSK	25	12	22.68	22.7	22.67		
10	QPSK	25	25	22.30	22.37	22.25	23.5	1
10	QPSK	50	0	22.67	22.67	22.6		
10	16QAM	1	0	22.97	22.92	22.82	23.5	1
10	16QAM	1	25	22.8	22.9	22.87		
10	16QAM	1	49	22.69	22.81	22.77	22.5	2
10	16QAM	25	0	21.27	21.45	21.42		
10	16QAM	25	12	21.48	21.51	21.56	22.5	2
10	16QAM	25	25	21.4	21.42	21.35		
10	64QAM	1	0	21.27	21.39	21.19	22.5	2
10	64QAM	1	25	21.81	21.77	21.72		
10	64QAM	1	49	21.88	21.82	21.72	22.5	2
10	64QAM	1	74	21.69	21.71	21.62		
10	64QAM	25	0	20.4	20.46	20.33	21.5	3
10	64QAM	25	12	20.35	20.48	20.4		
10	64QAM	25	25	20.43	20.51	20.37	21.5	3
10	64QAM	50	0	20.16	20.39	20.18		
Channel Frequency (MHz)							24.5	MPR (dB)
5	QPSK	1	0	23.15	23.15	23.15		
5	QPSK	1	12	23.24	23.32	23.34	24.5	0
5	QPSK	1	24	23.18	23.34	23.38		
5	QPSK	12	0	22.34	22.47	22.43	23.5	1
5	QPSK	12	7	22.61	22.63	22.57		
5	QPSK	12	13	22.29	22.44	22.31	23.5	1
5	QPSK	25	0	22.55	22.61	22.48		
5	16QAM	1	0	22.87	22.93	22.84	23.5	1
5	16QAM	1	12	22.83	22.99	22.87		
5	16QAM	1	24	22.74	22.83	22.77	22.5	2
5	16QAM	12	0	21.29	21.35	21.33		
5	16QAM	12	7	21.38	21.5	21.58	22.5	2
5	16QAM	12	13	21.46	21.47	21.28		
5	64QAM	1	0	21.35	21.43	21.17	22.5	2
5	64QAM	1	12	21.8	21.79	21.8		
5	64QAM	1	24	21.91	21.97	21.72	21.5	3
5	64QAM	12	0	21.67	21.68	21.68		
5	64QAM	12	7	20.34	20.34	20.36	21.5	3
5	64QAM	12	13	20.41	20.43	20.45		
5	64QAM	25	0	20.31	20.35	20.25	21.5	3
5	64QAM	25	0	20.31	20.35	20.25		
Channel Frequency (MHz)							24.5	MPR (dB)
3	QPSK	1	0	23.19	23.41	23.34		
3	QPSK	1	8	23.44	23.61	23.59	24.5	0
3	QPSK	1	14	23.21	23.29	23.28		
3	QPSK	8	0	22.28	22.36	22.4	23.5	1
3	QPSK	8	4	22.55	22.72	22.45		
3	QPSK	8	7	22.3	22.44	22.23	23.5	1
3	QPSK	15	0	22.5	22.55	22.61		
3	16QAM	1	0	22.93	22.98	22.88	23.5	1
3	16QAM	1	8	22.89	22.88	22.95		
3	16QAM	1	14	22.79	22.8	22.79	22.5	2
3	16QAM	8	0	21.24	21.46	21.38		
3	16QAM	8	4	21.47	21.51	21.48	22.5	2
3	16QAM	8	7	21.42	21.46	21.36		
3	16QAM	15	0	21.26	21.28	21.27	21.5	3
3	64QAM	1	0	21.7	21.79	21.75		
3	64QAM	1	8	21.83	21.83	21.78	22.5	2
3	64QAM	1	14	21.68	21.64	21.59		
3	64QAM	8	0	20.34	20.45	20.44	21.5	3
3	64QAM	8	4	20.37	20.57	20.48		
3	64QAM	8	7	20.42	20.38	20.27	21.5	3
3	64QAM	15	0	20.17	20.4	20.18		
Channel Frequency (MHz)							24.5	MPR (dB)
1.4	QPSK	1	0	23.14	23.15	23.25		
1.4	QPSK	1	3	23.49	23.65	23.59	24.5	0
1.4	QPSK	1	6	23.59	23.29	23.31		
1.4	QPSK	3	0	23.21	23.25	23.23	23.5	1
1.4	QPSK	3	1	23.34	23.27	23.34		
1.4	QPSK	3	3	23.23	23.37	23.24	23.5	1
1.4	QPSK	6	0	22.48	22.57	22.50		
1.4	16QAM	1	0	22.87	22.86	22.89	23.5	1
1.4	16QAM	1	3	22.86	22.88	22.85		
1.4	16QAM	1	5	22.71	22.91	22.81	23.5	1
1.4	16QAM	3	0	22.62	22.65	22.49		
1.4	16QAM	3	3	22.81	22.89	22.81	22.5	2
1.4	16QAM	6	0	22.57	22.60	22.57		
1.4	64QAM	1	0	21.33	21.42	21.31	22.5	2
1.4	64QAM	1	1	21.78	21.87	21.74		
1.4	64QAM	1	3	21.89	21.85	21.77	22.5	2
1.4	64QAM	1	5	21.69	21.71	21.72		
1.4	64QAM	3	0	21.41	21.46	21.40	21.5	3
1.4	64QAM	3	1	21.44	21.47	21.31		
1.4	64QAM	3	3	21.45	21.48	21.29	21.5	3
1.4	64QAM	6	0	20.20	20.39	20.18		

Band 66_Ant 13

BW (MHz)	Modulation	RB Size	RB Offset	Power		Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)			
				Low Ch. Freq.	Middle Ch. Freq.						
Channel											
Frequency (MHz)							130022	130322	130572		
20	QPSK	1	0	23.56	23.70	23.48	24.5	0			
20	QPSK	1	48	23.66	23.76	23.65					
20	QPSK	1	96	23.36	23.36	23.39					
20	QPSK	50	0	22.66	22.75	22.63					
20	QPSK	50	24	22.76	22.85	22.65					
20	QPSK	50	50	22.77	22.81	22.68	23.5	1			
20	QPSK	100	0	22.84	22.85	22.64					
20	16QAM	1	0	22.81	22.66	22.99					
20	16QAM	1	48	22.71	22.68	22.92					
20	16QAM	1	96	22.89	22.70	22.68					
20	16QAM	50	0	21.84	21.77	21.61	22.5	2			
20	16QAM	50	24	21.82	21.75	21.72					
20	16QAM	50	50	21.80	21.81	21.96					
20	16QAM	100	0	21.71	21.63	21.71					
20	64QAM	1	0	21.89	21.95	21.97					
20	64QAM	1	48	22.08	21.89	21.76	22.5	2			
20	64QAM	1	96	21.68	21.68	21.70					
20	64QAM	50	0	20.68	20.77	20.73					
20	64QAM	50	24	20.74	20.76	20.75					
20	64QAM	50	50	20.73	20.68	20.70					
20	64QAM	100	0	20.72	20.71	20.73	Tune-up limit (dBm)	MPR (dB)			
Channel									130404	130322	130597
Frequency (MHz)							1717.5	1745	1772.5	24.5	0
15	QPSK	1	0	23.43	23.55	23.41					
15	QPSK	1	37	23.53	23.67	23.62					
15	QPSK	1	74	23.30	23.30	23.28					
15	QPSK	36	0	22.51	22.65	22.58	23.5	1			
15	QPSK	36	20	22.68	22.75	22.57					
15	QPSK	36	39	22.67	22.67	22.64					
15	QPSK	75	0	22.53	22.77	22.63					
15	16QAM	1	0	22.72	22.65	22.97					
15	16QAM	1	37	22.67	22.53	22.89	23.5	1			
15	16QAM	1	74	22.68	22.64	22.64					
15	16QAM	36	0	21.54	21.71	21.49					
15	16QAM	36	20	21.78	21.68	21.72					
15	16QAM	36	39	21.71	21.49	21.51					
15	16QAM	75	0	21.70	21.54	21.66	22.5	2			
15	64QAM	1	0	21.84	21.82	21.85					
15	64QAM	1	37	21.98	21.75	21.73					
15	64QAM	1	74	21.63	21.58	21.69					
15	64QAM	36	0	20.55	20.73	20.73					
15	64QAM	36	20	20.61	20.61	20.72	Tune-up limit (dBm)	MPR (dB)			
15	64QAM	36	39	20.63	20.59	20.70					
15	64QAM	75	0	20.58	20.68	20.66					
Channel									130222	130322	130522
Frequency (MHz)							1715	1745	1775	24.5	0
10	QPSK	1	0	23.56	23.64	23.35					
10	QPSK	1	25	23.65	23.70	23.63					
10	QPSK	1	48	23.30	23.31	23.33					
10	QPSK	25	0	22.54	22.81	22.51	23.5	1			
10	QPSK	25	12	22.74	22.63	22.95					
10	QPSK	25	25	22.67	22.67	22.64					
10	QPSK	50	0	22.58	22.71	22.62					
10	16QAM	1	0	22.77	22.52	22.94					
10	16QAM	1	25	22.67	22.65	22.81	23.5	1			
10	16QAM	1	48	22.81	22.65	22.58					
10	16QAM	25	0	21.63	21.77	21.49					
10	16QAM	25	12	21.80	21.74	21.57					
10	16QAM	25	25	21.79	21.56	21.54					
10	16QAM	50	0	21.61	21.52	21.70	22.5	2			
10	64QAM	1	0	21.76	21.89	21.86					
10	64QAM	1	25	21.99	21.84	21.71					
10	64QAM	1	48	21.62	21.64	21.58					
10	64QAM	25	0	20.59	20.76	20.58					
10	64QAM	25	12	20.72	20.65	20.70	Tune-up limit (dBm)	MPR (dB)			
10	64QAM	25	25	20.59	20.54	20.69					
10	64QAM	50	0	20.67	20.61	20.70					
Channel									131967	130322	130647
Frequency (MHz)							1712.5	1745	1777.5	24.5	0
5	QPSK	1	0	23.50	23.64	23.38					
5	QPSK	1	12	23.56	23.64	23.63					
5	QPSK	1	24	23.25	23.25	23.39					
5	QPSK	12	0	22.63	22.67	22.59	23.5	1			
5	QPSK	12	7	22.72	22.75	22.67					
5	QPSK	12	13	22.76	22.72	22.53					
5	QPSK	25	0	22.60	22.76	22.55					
5	16QAM	1	0	22.67	22.61	22.87					
5	16QAM	1	12	22.71	22.66	22.77	23.5	1			
5	16QAM	1	24	22.81	22.66	22.58					
5	16QAM	12	0	21.64	21.70	21.57					
5	16QAM	12	7	21.67	21.68	21.64					
5	16QAM	12	13	21.89	21.55	21.51					
5	16QAM	25	0	21.67	21.48	21.62	22.5	2			
5	64QAM	1	0	21.67	21.86	21.83					
5	64QAM	1	12	22.01	21.84	21.61					
5	64QAM	12	0	20.60	21.55	21.65					
5	64QAM	12	0	20.60	20.62	20.65					
5	64QAM	12	7	20.70	20.66	20.63	Tune-up limit (dBm)	MPR (dB)			
5	64QAM	12	13	20.60	20.56	20.57					
5	64QAM	25	0	20.60	20.67	20.73					
Channel									131987	130322	130657
Frequency (MHz)							1714.5	1745	1775.5	24.5	0
3	QPSK	1	0	23.42	23.60	23.35					
3	QPSK	1	8	23.63	23.73	23.51					
3	QPSK	1	14	23.27	23.31	23.27					
3	QPSK	8	0	22.66	22.70	22.60	23.5	1			
3	QPSK	8	4	22.68	22.81	22.57					
3	QPSK	8	7	22.67	22.70	22.95					
3	QPSK	15	0	22.53	22.80	22.55					
3	16QAM	1	0	22.80	22.53	22.86					
3	16QAM	1	8	22.67	22.60	22.78	23.5	1			
3	16QAM	1	14	22.56	22.65	22.54					
3	16QAM	8	0	21.55	21.63	21.58					
3	16QAM	8	4	21.74	21.61	21.65					
3	16QAM	8	7	21.79	21.48	21.50					
3	16QAM	15	0	21.64	21.59	21.58	22.5	2			
3	64QAM	1	0	21.86	21.85	21.91					
3	64QAM	1	8	22.06	21.78	21.63					
3	64QAM	1	14	21.62	21.62	21.61					
3	64QAM	8	0	20.56	20.73	20.62					
3	64QAM	8	4	20.67	20.74	20.63	Tune-up limit (dBm)	MPR (dB)			
3	64QAM	8	7	20.72	20.67	20.55					
3	64QAM	15	0	20.65	20.63	20.61					
Channel									131979	130322	130665
Frequency (MHz)							1710.7	1745	1773.3	24.5	0
1.4	QPSK	1	0	23.54	23.62	23.52					
1.4	QPSK	1	3	23.53	23.73	23.63					
1.4	QPSK	1	5	23.53	23.40	23.55					
1.4	QPSK	3	0	23.04	23.53	23.56	23.5	1			
1.4	QPSK	3	1	23.26	23.21	23.53					
1.4	QPSK	3	3	23.52	23.26	23.55					
1.4	QPSK	6	0	23.07	23.32	23.26					
1.4	16QAM	1	0	22.63	22.77	22.70	23.5	1			
1.4	16QAM	1	3	22.70	22.58	22.89					
1.4	16QAM	1	5	22.69	22.58	22.58					
1.4	16QAM	3	0	22.63	22.81	22.59					
1.4	16QAM	3	1	22.63	22.70	22.65					
1.4	16QAM	3	3	22.78	22.71	22.59	22.5	2			
1.4	16QAM	6	0	21.60	21.49	21.65					
1.4	64QAM	1	0	21.82	21.89	21.92					
1.4	64QAM	1	3	21.09	21.60	21.64					
1.4	64QAM	1	5	21.63	21.59	21.61					
1.4	64QAM	3	0	21.72	21.71	21.65	Tune-up limit (dBm)	MPR (dB)			
1.4	64QAM	3	1	21.70	21.63	21.66					
1.4	64QAM	3	3	21.80	21.73	21.63					
1.4	64QAM	6	0	20.67	20.69	20.72					

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 Frequency (MHz)								
20	QPSK	1	0	24.01	24.10	24.09	25	0
20	QPSK	1	49	24.24	24.33	24.28		
20	QPSK	1	99	24.11	24.06	24.14		
20	QPSK	50	0	23.24	23.16	23.31	24	1
20	QPSK	50	24	23.31	23.40	23.38		
20	QPSK	50	50	23.26	23.30	23.33		
20	QPSK	100	0	23.15	23.35	23.34	24	1
20	16QAM	1	0	23.27	23.24	23.32		
20	16QAM	1	49	23.51	23.58	23.45		
20	16QAM	1	99	23.33	23.48	23.48	23	2
20	16QAM	50	0	22.19	22.19	22.40		
20	16QAM	50	24	22.32	22.38	22.49		
20	16QAM	50	50	22.29	22.31	22.43	23	2
20	16QAM	100	0	22.25	22.30	22.38		
20	16QAM	1	0	22.06	22.11	22.31		
20	16QAM	1	49	22.44	22.48	22.54	23	2
20	16QAM	1	99	22.35	22.35	22.38		
20	16QAM	50	0	21.19	21.28	21.27		
20	16QAM	50	24	21.36	21.42	21.48	22	3
20	16QAM	50	50	21.27	21.33	21.46		
20	16QAM	100	0	21.20	21.27	21.39		
Channel Frequency (MHz)								
15	QPSK	1	0	23.72	23.85	23.80	25	0
15	QPSK	1	37	24.12	24.19	24.27		
15	QPSK	1	74	24.04	24.06	24.01		
15	QPSK	36	0	23.16	23.02	23.16	24	1
15	QPSK	36	20	23.17	23.32	23.26		
15	QPSK	36	39	23.12	23.22	23.27		
15	QPSK	36	50	23.01	23.29	23.25	24	1
15	16QAM	1	0	23.23	23.21	23.32		
15	16QAM	1	37	23.42	23.50	23.35		
15	16QAM	1	74	23.16	23.34	23.25	23	2
15	16QAM	36	0	22.15	22.10	22.28		
15	16QAM	36	20	22.26	22.25	22.42		
15	16QAM	36	39	22.25	22.26	22.31	23	2
15	16QAM	75	0	22.13	22.22	22.38		
15	16QAM	1	0	22.09	22.09	22.29		
15	16QAM	1	37	22.32	22.37	22.42	23	2
15	16QAM	1	74	22.25	22.30	22.23		
15	16QAM	36	0	21.07	21.14	21.22		
15	16QAM	36	20	21.33	21.28	21.47	22	3
15	16QAM	36	39	21.26	21.27	21.31		
15	16QAM	75	0	21.13	21.15	21.31		
Channel Frequency (MHz)								
10	QPSK	1	0	23.92	24.02	24.08	25	0
10	QPSK	1	25	24.23	24.31	24.21		
10	QPSK	1	49	24.08	24.02	24.10		
10	QPSK	25	0	23.15	23.05	23.24	24	1
10	QPSK	25	12	23.23	23.31	23.35		
10	QPSK	25	25	23.11	23.24	23.26		
10	QPSK	50	0	23.08	23.20	23.22	24	1
10	16QAM	1	0	23.24	23.09	23.25		
10	16QAM	1	25	23.38	23.46	23.43		
10	16QAM	1	49	23.33	23.48	23.42	23	2
10	16QAM	25	0	22.16	22.19	22.38		
10	16QAM	25	12	22.18	22.23	22.39		
10	16QAM	25	25	22.23	22.26	22.43	23	2
10	16QAM	50	0	22.13	22.16	22.26		
10	16QAM	1	0	22.00	22.08	22.20		
10	16QAM	1	25	22.33	22.47	22.47	22	3
10	16QAM	1	49	22.34	22.33	22.23		
10	16QAM	25	0	21.09	21.17	21.25		
10	16QAM	25	12	21.35	21.29	21.49	22	3
10	16QAM	25	25	21.14	21.33	21.46		
10	16QAM	50	0	21.19	21.22	21.31		
Channel Frequency (MHz)								
5	QPSK	1	0	24.03	24.05	24.03	25	0
5	QPSK	1	12	24.17	24.23	24.17		
5	QPSK	1	24	24.00	23.94	24.13		
5	QPSK	12	0	23.21	23.04	23.17	24	1
5	QPSK	12	7	23.22	23.34	23.33		
5	QPSK	12	13	23.12	23.17	23.24		
5	QPSK	25	0	23.12	23.21	23.21	24	1
5	16QAM	1	0	23.48	23.47	23.37		
5	16QAM	1	24	23.33	23.44	23.38		
5	16QAM	12	0	22.06	22.10	22.39	23	2
5	16QAM	12	7	22.23	22.22	22.41		
5	16QAM	12	13	22.21	22.26	22.35		
5	16QAM	25	0	22.20	22.20	22.31	23	2
5	16QAM	1	0	22.02	22.10	22.30		
5	16QAM	1	12	22.31	22.37	22.52		
5	16QAM	1	24	22.33	22.25	22.24	22	3
5	16QAM	12	0	21.17	21.15	21.19		
5	16QAM	12	7	21.29	21.31	21.47		
5	16QAM	12	13	21.19	21.19	21.33	22	3
5	16QAM	25	0	21.17	21.26	21.30		

Band 41_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)										
20	QPSK	1	0	23.55	23.60	23.64	23.64	23.54	24.5	0
20	QPSK	1	49	23.70	23.61	23.64	23.62	23.76		
20	QPSK	1	99	23.58	23.46	23.54	23.70	23.60		
20	QPSK	50	0	23.05	23.01	23.13	23.30	23.38	24	0.5
20	QPSK	50	24	23.25	23.15	23.44	23.43	23.39		
20	QPSK	50	50	23.15	23.10	23.26	23.15	23.25		
20	QPSK	100	0	23.31	23.33	23.33	23.29	23.37	24	0.5
20	16QAM	1	0	23.40	23.31	23.46	23.41	23.36		
20	16QAM	1	49	23.38	23.33	23.46	23.31	23.40		
20	16QAM	1	99	23.28	23.29	23.34	23.25	23.20	23	1.5
20	16QAM	50	0	22.14	22.06	22.20	22.14	22.14		
20	16QAM	50	24	22.28	22.23	22.32	22.20	22.23		
20	16QAM	50	50	22.20	22.23	22.24	22.23	22.23	23	1.5
20	16QAM	100	0	22.04	22.17	22.18	22.03	22.05		
20	16QAM	1	0	21.94	21.99	22.05	22.00	22.04		
20	16QAM	1	49	22.42	22.39	22.42	22.29	22.36	23	1.5
20	16QAM	1	99	22.23	22.27	22.30	22.27	22.20		
20	16QAM	50	0	21.07	21.11	21.18	21.03	21.13		
20	16QAM	50	24	21.20	21.28	21.34	21.33	21.24	22	2.5
20	16QAM	50	50	21.18	21.20	21.31	21.20	21.28		
20	16QAM	100	0	21.14	21.13	21.26	21.11	21.14		
Channel Frequency (MHz)										
15	QPSK	1	0	23.51	23.58	23.63	23.63	23.45	24.50	0
15	QPSK	1	37	23.66	23.54	23.76	23.74	23.74		
15	QPSK	1	74	23.55	23.43	23.49	23.61	23.51		
15	QPSK	36	0	23.06	23.02	23.06	23.05	23.05	24	0.5
15	QPSK	36	20	23.32	23.30	23.28	23.26	23.37		
15	QPSK	36	39	23.12	23.12	23.16	23.13	23.19		
15	QPSK	75	0	23.22	23.18	23.32	23.25	23.26	24	0.5
15	16QAM	1	0	23.07	23.11	23.12	23.16	23.07		
15	16QAM	1	37	23.35	23.37	23.39	23.32	23.34		
15	16QAM	1	74	23.22	23.27	23.19	23.25	23.19	23	1.5
15	16QAM	36	0	22.06	22.01	22.06	22.09	22.11		
15	16QAM	36	20	22.15	22.15	22.28	22.18	22.17		
15	16QAM	36	39	22.04	22.08	22.09	22.12	22.08	23	1.5
15	16QAM	75	0	22.10	22.07	22.03	21.99	22.12		
15	16QAM	1	0	21.92	21.87	21.87	21.96	21.89		
15	16QAM	1	37	22.36	22.28	22.34	22.38	22.27	23	1.5
15	16QAM	1	74	22.10	22.10	22.25	22.20	22.11		
15	16QAM	36	0	21.04	21.02	21.06	21.08	21.12		
15	16QAM	36	20	21.20	21.23	21.19	21.28	21.24	22	2.5
15	16QAM	36	39	21.11	21.26	21.15	21.23	21.14		
15	16QAM	75	0	21.09	21.11	21.14	21.11	21.14		
Channel Frequency (MHz)										
10	QPSK	1	0	23.01	23.07	23.09	23.13	23.03	24.50	0
10	QPSK	1	25	23.05	23.02	23.09	23.14	23.07		
10	QPSK	1	49	23.50	23.40	23.43	23.68	23.50		
10	QPSK	25	0	23.03	23.06	23.07	23.06	22.96	24	0.5
10	QPSK	25	12	23.39	23.37	23.36	23.36	23.36		
10	QPSK	25	25	23.09	23.06	23.12	23.12	23.12		
10	QPSK	50	0	23.33	23.27	23.31	23.19	23.32	24	0.5
10	16QAM	1	0	23.12	23.11	23.13	23.12	23.19		
10	16QAM	1	25	23.37	23.33	23.39	23.36	23.38		
10	16QAM	1	49	23.17	23.15	23.25	23.21	23.22	24	0.5
10	16QAM	25	0	22.13	22.09	22.04	22.07	22.08		
10	16QAM	25	12	22.24	22.18	22.20	22.21	22.16		
10	16QAM	25	25	22.09	22.05	22.05	22.06	22.11	23	1.5
10	16QAM	50	0	22.06	22.08	22.02	22.00	21.98		
10	16QAM	1	0	21.95	21.89	21.95	22.00	21.89		
10	16QAM	1	25	22.29	22.26	22.28	22.21	22.30	23	1.5
10	16QAM	1	49	22.15	22.15	22.13	22.21	22.11		
10	16QAM	25	0	21.07	20.99	20.99	21.00	21.12		
10	16QAM	25	12	21.27	21.27	21.21	21.15	21.15	22	2.5
10	16QAM	25	25	21.22	21.20	21.14	21.19	21.16		
10	16QAM	50	0	21.08	21.15	21.07	21.20	21.12		
Channel Frequency (MHz)										
5	QPSK	1	0	23.49	23.49	23.58	23.46	23.43	24.50	0
5	QPSK	1	12	23.58	23.49	23.52	23.73	23.66		
5	QPSK	1	24	23.51	23.40	23.51	23.55	23.56		
5	QPSK	12	0	22.97	23.01	23.07	23.01	23.01	24	0.5
5	QPSK	12	7	23.26	23.37	23.37	23.31	23.35		
5	QPSK	12	13	23.20	23.14	23.20	23.16	23.13		
5	QPSK	25	0	23.18	23.18	23.18	23.29	23.22	24	0.5
5	16QAM	1	0	23.14	23.15	23.14	23.14	23.10		
5	16QAM	1	12	23.28	23.35	23.28	23.36	23.29		
5	16QAM	1	24	23.28	23.20	23.14	23.20	23.21	23	1.5
5	16QAM	12	0	22.00	22.07	22.06	22.06	22.06		
5	16QAM	12	7	22.18	22.13	22.15	22.24	22.15		
5	16QAM	12	13	22.19	22.15	22.13	22.19	22.13	23	1.5
5	16QAM	25	0	21.08	21.10	21.08	21.08	21.11		
5	16QAM	1	0	21.94	21.99	21.86	21.97	21.99		
5	16QAM	1	12	22.27	22.27	22.30	22.37	22.28	23	1.5
5	16QAM	1	24	22.14	22.12	22.12	22.15	22.18		
5	16QAM	12	0	21.06	21.09	21.01	21.06	21.06		
5	16QAM	12	7	21.27	21.15	21.28	21.20	21.28	22	2.5
5	16QAM	12	13	21.18	21.17	21.14	21.24	21.15		
5	16QAM	25	0	21.19	21.07	21.15	21.15	21.15		
5	16QAM	25	7	21.16	21.15	21.16	21.15	21.15		



CA_7C Ant 13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Default Power	23.15	24.00
21100	20902	QPSK	1	49	0	0	1	0	Default Power	23.28	24.00
21350	21152	QPSK	1	49	0	0	1	0	Default Power	23.26	24.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 2	12.75	13.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 2	12.81	13.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 2	12.78	13.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	11.78	12.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	11.85	12.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	11.83	12.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 4	17.20	18.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 4	17.25	18.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 4	17.23	18.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 5	14.87	15.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 5	14.90	15.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 5	14.88	15.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 6	14.87	15.50
21100	20902	QPSK	1	49	0	0	1	0	DSI 6	14.90	15.50
21350	21152	QPSK	1	49	0	0	1	0	DSI 6	14.88	15.50
20850	21048	QPSK	1	49	0	0	1	0	DSI 7	21.17	22.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 7	21.25	22.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 7	21.24	22.00

CA_7C Ant 31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	49	0	0	1	0	Default Power	23.05	24.00
21100	20902	QPSK	1	49	0	0	1	0	Default Power	23.09	24.00
21350	21152	QPSK	1	49	0	0	1	0	Default Power	23.07	24.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 2	23.05	24.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 2	23.09	24.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 2	23.07	24.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 3	23.05	24.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 3	23.09	24.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 3	23.07	24.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 4	22.00	23.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 4	22.05	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 4	22.02	23.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 5	21.03	22.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 5	21.08	22.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 5	21.07	22.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 6	21.03	22.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 6	21.08	22.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 6	21.07	22.00
20850	21048	QPSK	1	49	0	0	1	0	DSI 7	22.00	23.00
21100	20902	QPSK	1	49	0	0	1	0	DSI 7	22.05	23.00
21350	21152	QPSK	1	49	0	0	1	0	DSI 7	22.02	23.00



CA_41C Ant 13											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Default Power	24.00	25.00
40185	39987	QPSK	1	49	0	0	1	0	Default Power	24.15	25.00
40620	40422	QPSK	1	49	0	0	1	0	Default Power	24.28	25.00
41055	40857	QPSK	1	49	0	0	1	0	Default Power	24.20	25.00
41490	41292	QPSK	1	49	0	0	1	0	Default Power	24.26	25.00
39750	39948	16QAM	1	49	0	0	1	0	DSI 2	14.71	15.50
40185	39987	16QAM	1	49	0	0	1	0	DSI 2	14.75	15.50
40620	40422	16QAM	1	49	0	0	1	0	DSI 2	14.81	15.50
41055	40857	16QAM	1	49	0	0	1	0	DSI 2	14.76	15.50
41490	41292	16QAM	1	49	0	0	1	0	DSI 2	14.80	15.50
39750	39948	64QAM	1	49	0	0	1	0	DSI 3	13.76	14.50
40185	39987	64QAM	1	49	0	0	1	0	DSI 3	13.72	14.50
40620	40422	64QAM	1	49	0	0	1	0	DSI 3	13.79	14.50
41055	40857	64QAM	1	49	0	0	1	0	DSI 3	13.76	14.50
41490	41292	64QAM	1	49	0	0	1	0	DSI 3	13.79	14.50
39750	39948	256QAM	1	49	0	0	1	0	DSI 4	18.68	19.50
40185	39987	256QAM	1	49	0	0	1	0	DSI 4	18.69	19.50
40620	40422	256QAM	1	49	0	0	1	0	DSI 4	18.8	19.50
41055	40857	256QAM	1	49	0	0	1	0	DSI 4	18.74	19.50
41490	41292	256QAM	1	49	0	0	1	0	DSI 4	18.76	19.50
39750	39948	16QAM	1	49	0	0	1	0	DSI 5	17.27	18.00
40185	39987	16QAM	1	49	0	0	1	0	DSI 5	17.15	18.00
40620	40422	16QAM	1	49	0	0	1	0	DSI 5	17.3	18.00
41055	40857	16QAM	1	49	0	0	1	0	DSI 5	17.26	18.00
41490	41292	16QAM	1	49	0	0	1	0	DSI 5	17.29	18.00
39750	39948	64QAM	1	49	0	0	1	0	DSI 6	17.27	18.00
40185	39987	64QAM	1	49	0	0	1	0	DSI 6	17.15	18.00
40620	40422	64QAM	1	49	0	0	1	0	DSI 6	17.3	18.00
41055	40857	64QAM	1	49	0	0	1	0	DSI 6	17.26	18.00
41490	41292	64QAM	1	49	0	0	1	0	DSI 6	17.29	18.00
39750	39948	256QAM	1	49	0	0	1	0	DSI 7	23.59	24.50
40185	39987	256QAM	1	49	0	0	1	0	DSI 7	23.6	24.50
40620	40422	256QAM	1	49	0	0	1	0	DSI 7	23.8	24.50
41055	40857	256QAM	1	49	0	0	1	0	DSI 7	23.73	24.50
41490	41292	256QAM	1	49	0	0	1	0	DSI 7	23.75	24.50

CA_41C Ant 31											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Default Power	23.76	24.50
40185	39987	QPSK	1	49	0	0	1	0	Default Power	23.85	24.50
40620	40422	QPSK	1	49	0	0	1	0	Default Power	23.96	24.50
41055	40857	QPSK	1	49	0	0	1	0	Default Power	23.81	24.50
41490	41292	QPSK	1	49	0	0	1	0	Default Power	23.95	24.50
39750	39948	16QAM	1	49	0	0	1	0	DSI 2	23.76	24.50
40185	39987	16QAM	1	49	0	0	1	0	DSI 2	23.85	24.50
40620	40422	16QAM	1	49	0	0	1	0	DSI 2	23.96	24.50
41055	40857	16QAM	1	49	0	0	1	0	DSI 2	23.81	24.50
41490	41292	16QAM	1	49	0	0	1	0	DSI 2	23.95	24.50
39750	39948	64QAM	1	49	0	0	1	0	DSI 3	23.76	24.50
40185	39987	64QAM	1	49	0	0	1	0	DSI 3	23.85	24.50
40620	40422	64QAM	1	49	0	0	1	0	DSI 3	23.96	24.50
41055	40857	64QAM	1	49	0	0	1	0	DSI 3	23.81	24.50
41490	41292	64QAM	1	49	0	0	1	0	DSI 3	23.95	24.50
39750	39948	256QAM	1	49	0	0	1	0	DSI 4	23.76	24.50
40185	39987	256QAM	1	49	0	0	1	0	DSI 4	23.85	24.50
40620	40422	256QAM	1	49	0	0	1	0	DSI 4	23.96	24.50
41055	40857	256QAM	1	49	0	0	1	0	DSI 4	23.81	24.50
41490	41292	256QAM	1	49	0	0	1	0	DSI 4	23.95	24.50
39750	39948	16QAM	1	49	0	0	1	0	DSI 5	23.38	24.00
40185	39987	16QAM	1	49	0	0	1	0	DSI 5	23.41	24.00
40620	40422	16QAM	1	49	0	0	1	0	DSI 5	23.49	24.00
41055	40857	16QAM	1	49	0	0	1	0	DSI 5	23.38	24.00
41490	41292	16QAM	1	49	0	0	1	0	DSI 5	23.48	24.00
39750	39948	64QAM	1	49	0	0	1	0	DSI 6	23.38	24.00
40185	39987	64QAM	1	49	0	0	1	0	DSI 6	23.41	24.00
40620	40422	64QAM	1	49	0	0	1	0	DSI 6	23.49	24.00
41055	40857	64QAM	1	49	0	0	1	0	DSI 6	23.38	24.00
41490	41292	64QAM	1	49	0	0	1	0	DSI 6	23.48	24.00
39750	39948	256QAM	1	49	0	0	1	0	DSI 7	23.76	24.50
40185	39987	256QAM	1	49	0	0	1	0	DSI 7	23.85	24.50
40620	40422	256QAM	1	49	0	0	1	0	DSI 7	23.96	24.50
41055	40857	256QAM	1	49	0	0	1	0	DSI 7	23.81	24.50
41490	41292	256QAM	1	49	0	0	1	0	DSI 7	23.95	24.50

Full Power															
2CC															
Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Intra-Band	Non-Contiguous	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	5M	2152.5	2375	23.51	23.66
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	49	Band 7	5M	2687.5	3425	23.29	23.42
		CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2687.50	41565	24.28	24.36
	Contiguous	CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2197.50	67311	23.67	23.76
		CA_7C	Band 7	20M	2535	21100	QPSK	1	49	Band 7	20M	2674.80	3298	23.31	23.42
		CA_38C	Band 38	20M	2580	37850	QPSK	1	49	Band 38	20M	2599.80	38048	24.25	24.33
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	24.30	24.36
		CA_66C	Band 66	20M	1745	132322	QPSK	1	49	Band 66	20M	2174.80	67084	23.71	23.76

WIFI&BT Power

<WLAN 2.4GHz FCC>

2.4GHz WLAN_Ant 22													
	Mode	Channel	Frequency (MHz)	Full Power		Head(Receiver on)		Body(Stand-alone)		Body(Simultaneous&Hotspot)		Duty Cycle %	
				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	18.80	20.00	13.70	15.00	18.80	20.00	18.80	20.00	100.00	
		6	2437	18.70	20.00	13.50	15.00	18.70	20.00	18.70	20.00		
		11	2462	18.70	20.00	13.60	15.00	18.70	20.00	18.70	20.00		
	802.11g 6Mbps	1	2412	14.30	15.50	15.00	14.30	15.50	14.30	15.50	14.30	15.50	97.46
		6	2437	16.50	18.00	15.00	16.60	18.00	16.60	18.00	16.60	18.00	
		11	2462	13.60	15.00	Not Required	15.00	13.60	15.00	13.60	15.00		
	802.11n-HT20 MCS0	1	2412	14.10	15.50	15.00	14.10	15.50	14.10	15.50	14.10	15.50	97.30
		6	2437	15.50	17.00	15.00	15.50	17.00	15.50	17.00	15.50	17.00	
		11	2462	13.40	15.00	15.00	13.40	15.00	13.40	15.00	13.40	15.00	

<WLAN 5GHz FCC>

5.2GHz WLAN_Ant 22											
Mode	Channel	Frequency (MHz)	Full Power		Head(Receiver on)		Body(Stand-alone)		Body(Simultaneous&Hotspot)		Duty Cycle %
			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	15.05	17.00	13.00	15.05	17.00	17.00		97.46
		40	5200	15.02	17.00	13.00	15.02	17.00	17.00		
		44	5220	18.04	20.00	13.00	18.04	20.00	17.50		
	802.11n-HT20 MCS0	48	5240	15.00	20.00	13.00	15.00	20.00	Not Required	17.50	97.28
		36	5180	15.20	17.00	13.00	15.20	17.00	17.00		
		40	5200	15.11	17.00	13.00	15.11	17.00	17.50		
	802.11n-HT40 MCS0	44	5220	17.14	19.00	13.00	17.14	19.00	17.00		94.92
		48	5240	17.23	19.00	13.00	17.23	19.00	17.50		
		38	5190	13.72	15.50	Not Required	13.00	13.72	15.50	13.72	
	802.11ac-VHT20 MCS0	46	5230	16.29	18.00	13.00	16.29	18.00	15.79	17.50	97.31
		36	5180	15.14	17.00	13.00	15.14	17.00	17.00		
		40	5200	15.06	17.00	13.00	15.06	17.00	17.00		
	802.11ac-VHT40 MCS0	44	5220	16.56	18.50	13.00	16.56	18.50	Not Required	15.50	94.96
		48	5240	16.60	18.50	13.00	16.60	18.50	15.50		
		38	5190	13.64	15.50	13.00	13.64	15.50	15.50		
	802.11ac-VHT80 MCS0	46	5230	15.64	17.50	13.00	15.64	17.50	17.00		89.92
		42	5210	13.28	15.00	11.12	13.00	13.28	15.00	15.00	

5.3GHz WLAN_Ant 2			Full Power		Head(Receiver on)		Body(Stand-alone)		Body(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	18.06	20.00	Not Required	13.00	18.06	20.00	17.50	97.46		
		56	5280	18.02	19.50		13.00	18.02	19.50	17.50			
		60	5300	18.08	20.00		13.00	18.08	20.00	17.50			
	802.11n-HT20 MCS0	64	5320	16.08	18.00		13.00	16.08	18.00	Not Required	17.50	97.28	
		52	5260	17.20	19.00		13.00	17.20	19.00	17.50			
		56	5280	17.15	19.00		13.00	17.15	19.00	17.50			
	802.11n-HT20 MCS0	60	5300	17.10	19.00		13.00	17.10	19.00	17.50	94.92		
		64	5320	16.10	18.00		13.00	16.10	18.00	17.50			
		54	5270	16.14	18.00		13.00	16.14	18.00	15.64		17.50	
	802.11ac-VHT20 MCS0	62	5310	13.72	15.50		13.00	13.72	15.50	13.72	15.50	97.31	
		52	5260	16.64	18.50		13.00	16.64	18.50	13.00	16.64		18.50
		56	5280	16.56	18.00		13.00	16.56	18.00	13.00	16.56		18.00
	802.11ac-VHT40 MCS0	60	5300	16.61	18.50		13.00	16.61	18.50	Not Required	17.50	94.96	
		64	5320	16.04	18.00		13.00	16.04	18.00	13.00	16.04		18.00
		54	5270	15.68	17.50		13.00	15.68	17.50	13.00	15.68		17.50
	802.11ac-VHT80 MCS0	62	5310	13.66	15.50		13.00	13.66	15.50	13.00	13.66	15.50	89.92
		58	5290	12.69	14.50		11.05	13.00	12.69	14.50	14.50		

5.5GHz WLAN_Ant 22												
Mode	Channel	Frequency (MHz)	Full Power		Head(Receiver on)		Body(Stand-alone)		Body(Simultaneous)		Duty Cycle %	
			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	15.07	17.00	12.00	15.07	17.00	12.00	15.07	17.00	97.46
		116	5580	15.53	17.50	12.00	15.53	17.50	12.00	15.53	17.50	
		124	5620	15.52	17.50	12.00	15.52	17.50	12.00	15.52	17.50	
		132	5660	15.56	17.50	12.00	15.56	17.50	12.00	15.56	17.50	
		140	5700	13.05	15.00	12.00	13.05	15.00	12.00	13.05	15.00	
		144	5720	15.57	17.50	12.00	15.57	17.50	12.00	15.57	17.50	
	802.11n-HT20 MCS0	100	5500	15.12	17.00	12.00	15.12	17.00	Not Required	16.50	16.50	97.28
		116	5580	15.64	17.50	12.00	15.64	17.50	12.00	15.64	17.50	
		124	5620	15.61	17.50	12.00	15.61	17.50	12.00	15.61	17.50	
		132	5660	15.63	17.50	12.00	15.63	17.50	12.00	15.63	17.50	
		140	5700	13.09	15.00	12.00	13.09	15.00	12.00	13.09	15.00	
		144	5720	15.60	17.50	12.00	15.60	17.50	12.00	15.60	17.50	
	802.11n-HT40 MCS0	102	5510	11.14	13.00	12.00	11.14	13.00	11.14	13.00	13.00	94.92
		110	5550	15.79	17.50	12.00	15.79	17.50	14.71	16.50	16.50	
		126	5630	15.72	17.50	12.00	15.72	17.50	14.58	16.50	16.50	
		134	5670	14.19	16.00	12.00	14.19	16.00	14.19	16.00	16.00	
		142	5710	15.73	17.50	12.00	15.73	17.50	14.68	16.50	16.50	
		100	5500	15.08	17.00	12.00	15.08	17.00	12.00	15.08	17.00	
	802.11ac-VHT20 MCS0	116	5580	15.60	17.50	12.00	15.60	17.50	12.00	15.60	17.50	97.31
		124	5620	15.58	17.50	12.00	15.58	17.50	12.00	15.58	17.50	
		132	5660	15.54	17.50	12.00	15.54	17.50	12.00	15.54	17.50	
		140	5700	13.04	15.00	12.00	13.04	15.00	12.00	13.04	15.00	
		144	5720	15.56	17.50	12.00	15.56	17.50	12.00	15.56	17.50	
		102	5510	11.10	13.00	12.00	11.10	13.00	Not Required	13.00	13.00	
	802.11ac-VHT40 MCS0	110	5550	15.74	17.50	12.00	15.74	17.50	12.00	15.74	17.50	94.96
		126	5630	15.70	17.50	12.00	15.70	17.50	12.00	15.70	17.50	
		134	5670	14.13	16.00	12.00	14.13	16.00	12.00	14.13	16.00	
		142	5710	15.69	17.50	12.00	15.69	17.50	12.00	15.69	17.50	
		106	5530	12.13	14.00	10.12	12.00	12.13	14.00	12.00	12.13	
		122	5610	14.23	16.00	10.18	12.00	14.23	16.00	12.00	14.23	
	802.11ac-VHT80 MCS0	138	5690	14.10	16.00	10.09	12.00	14.10	16.00	12.00	14.10	89.92

5.8GHz WLAN_Ant 22			Full Power		Head(Receiver on)		Body(Stand-alone)		Body(Simultaneous&Hotspot)			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.76	17.50	12.00	15.76	17.50		14.50		
		157	5785	15.85	17.50	12.00	15.85	17.50		14.50	97.46	
		155	5825	15.72	17.50	12.00	15.72	17.50		14.50		
		149	5745	15.79	17.50	12.00	15.79	17.50		14.50		
	802.11n-HT20 MCS0	157	5785	15.82	17.50	12.00	15.82	17.50		14.50	97.28	
		155	5825	15.85	17.50	12.00	15.85	17.50		14.50		
		151	5785	15.86	17.50	12.00	15.86	17.50		14.50		
		159	5795	15.83	17.50	12.00	15.83	17.50	Not Required	14.50	94.92	
	802.11n-VHT40 MCS0	149	5745	15.73	17.50	12.00	15.73	17.50		14.50		
		157	5785	15.76	17.50	12.00	15.76	17.50		14.50	97.31	
		155	5825	15.79	17.50	12.00	15.79	17.50		14.50		
		151	5785	15.74	17.50	12.00	15.74	17.50		14.50		
	802.11ac-VHT40 MCS0	159	5795	15.71	17.50	12.00	15.71	17.50		14.50		
		155	5775	14.10	16.00	10.11	12.00	14.10	16.00	12.66	14.50	89.92

BR / EDR			Ant 22		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.40	7.30	7.10
	CH 39	2441	10.40	7.30	7.10
	CH 78	2480	10.50	7.40	7.30
Tune-up Limit			12	8.5	8.5

BLE			Average power (dBm)	
Mode	Channel	Frequency (MHz)	1Mbps	2Mbps
			1Mbps	2Mbps
LE	CH 00	2402	6.20	6.10
	CH 19	2440	6.60	6.50
	CH 39	2480	6.10	6.00
Tune-up Limit			8.00	