



Full&Default Power

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.07	32.12	32.05	<b>33.50</b>	23.07	23.12	23.05	24.50	24.50
GPRS 1 Tx slot	32.04	32.10	32.02	<b>33.50</b>	23.04	23.10	23.02	24.50	24.50
GPRS 2 Tx slots	30.56	30.62	30.57	<b>31.50</b>	24.56	24.62	24.57	<b>25.50</b>	25.50
GPRS 3 Tx slots	29.59	29.62	29.56	<b>29.50</b>	24.30	24.36	24.30	25.24	25.24
GPRS 4 Tx slots	27.00	27.05	26.98	<b>28.00</b>	24.00	24.05	23.98	25.00	25.00
EDGE(GMSK) 1 Tx slot	31.89	31.98	31.90	<b>33.50</b>	22.89	22.98	22.90	24.50	24.50
EDGE(GMSK) 2 Tx slots	30.52	30.56	30.44	<b>31.50</b>	24.52	24.56	24.44	<b>25.50</b>	25.50
EDGE(GMSK) 3 Tx slots	28.46	28.57	28.40	<b>29.50</b>	24.20	24.31	24.14	24.24	24.24
EDGE(GMSK) 4 Tx slots	27.00	26.91	26.96	<b>28.00</b>	24.00	23.91	23.96	25.00	25.00
GPRS 3 Tx slots	28.72	28.82	28.91	<b>29.50</b>	17.72	17.82	17.91	19.00	19.00
EDGE(BPSK) 2 Tx slots	24.73	25.04	25.04	<b>26.00</b>	18.73	19.04	19.04	20.00	20.00
EDGE(BPSK) 3 Tx slots	23.22	23.49	23.48	<b>24.00</b>	18.96	19.23	19.22	19.24	19.24
EDGE(BPSK) 4 Tx slots	22.01	22.00	22.03	<b>22.50</b>	19.01	19.00	19.03	19.50	19.50

GSM850_Ant 21	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.16	32.20	32.05	<b>33.40</b>	23.16	23.20	23.05	24.40	24.40
GPRS 1 Tx slot	32.15	32.17	32.01	<b>33.40</b>	23.15	23.17	23.01	24.40	24.40
GPRS 2 Tx slots	30.87	30.89	30.79	<b>31.40</b>	24.87	24.89	24.79	<b>25.40</b>	25.40
GPRS 3 Tx slots	28.67	28.70	28.56	<b>29.40</b>	24.41	24.44	24.30	25.14	25.14
GPRS 4 Tx slots	27.09	27.13	27.01	<b>27.90</b>	24.09	24.13	24.01	24.90	24.90
EDGE(GMSK) 1 Tx slot	32.15	32.15	31.92	<b>33.40</b>	23.15	23.15	23.02	24.40	24.40
EDGE(GMSK) 2 Tx slots	30.99	31.01	30.93	<b>31.40</b>	24.99	25.01	24.93	<b>25.40</b>	25.40
EDGE(GMSK) 3 Tx slots	28.50	28.70	28.46	<b>29.40</b>	24.24	24.44	24.20	25.14	25.14
EDGE(GMSK) 4 Tx slots	27.16	27.18	27.06	<b>27.90</b>	24.16	24.18	24.06	24.90	24.90
GPRS 3 Tx slots	27.12	27.38	27.39	<b>27.90</b>	18.12	18.38	18.39	18.90	18.90
EDGE(BPSK) 2 Tx slots	25.40	25.42	25.38	<b>25.90</b>	19.40	19.42	19.38	19.90	19.90
EDGE(BPSK) 3 Tx slots	23.40	23.33	23.38	<b>23.90</b>	19.14	19.07	19.12	19.64	19.64
EDGE(BPSK) 4 Tx slots	21.90	22.04	21.96	<b>22.40</b>	18.90	19.04	18.96	19.40	19.40

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.69	29.71	29.70	<b>30.50</b>	20.69	20.71	20.70	21.50	21.50
GPRS 1 Tx slot	29.67	29.67	29.68	<b>30.50</b>	20.67	20.67	20.68	21.50	21.50
GPRS 2 Tx slots	28.14	28.20	28.17	<b>28.80</b>	22.14	22.20	22.17	<b>22.80</b>	22.80
GPRS 3 Tx slots	26.17	26.25	26.16	<b>26.90</b>	21.91	21.99	21.92	<b>22.54</b>	22.54
GPRS 4 Tx slots	24.64	24.70	24.64	<b>25.30</b>	21.64	21.70	21.64	22.30	22.30
EDGE(GMSK) 1 Tx slot	29.40	29.58	29.57	<b>30.50</b>	20.40	20.58	20.57	<b>21.50</b>	21.50
EDGE(GMSK) 2 Tx slots	27.90	27.94	27.93	<b>28.80</b>	21.90	21.94	21.93	<b>22.80</b>	22.80
EDGE(GMSK) 3 Tx slots	25.73	25.99	25.82	<b>26.80</b>	21.47	21.73	21.56	22.54	22.54
EDGE(GMSK) 4 Tx slots	24.28	24.42	24.42	<b>25.30</b>	21.28	21.42	21.42	22.30	22.30
EDGE(BPSK) 1 Tx slot	26.54	26.35	26.54	<b>27.00</b>	17.54	17.55	17.54	18.00	18.00
EDGE(BPSK) 2 Tx slots	24.64	24.60	24.55	<b>25.00</b>	18.64	18.60	18.55	19.00	19.00
EDGE(BPSK) 3 Tx slots	22.53	22.58	22.41	<b>23.00</b>	18.27	18.32	18.15	18.74	18.74
EDGE(BPSK) 4 Tx slots	21.01	21.03	21.01	<b>21.50</b>	18.01	18.03	18.01	18.50	18.50

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.12	29.31	29.26	<b>30.30</b>	20.12	20.31	20.26	21.30	21.30
GPRS 1 Tx slot	29.10	29.28	29.16	<b>30.30</b>	20.10	20.28	20.16	21.30	21.30
GPRS 2 Tx slots	27.53	27.78	27.69	<b>28.30</b>	21.53	21.78	21.69	<b>22.30</b>	22.30
GPRS 3 Tx slots	25.53	25.85	25.68	<b>26.30</b>	21.27	21.59	21.42	<b>22.04</b>	22.04
GPRS 4 Tx slots	23.96	24.26	24.12	<b>24.90</b>	20.96	21.26	21.12	21.90	21.90
EDGE(GMSK) 1 Tx slot	28.96	29.11	29.00	<b>30.30</b>	19.96	20.11	20.00	21.30	21.30
EDGE(GMSK) 2 Tx slots	27.38	27.54	27.15	<b>28.30</b>	21.38	21.54	21.15	<b>22.30</b>	22.30
EDGE(GMSK) 3 Tx slots	25.49	25.59	25.32	<b>26.30</b>	21.23	21.33	21.06	22.04	22.04
EDGE(GMSK) 4 Tx slots	23.89	24.01	23.70	<b>24.80</b>	20.89	21.01	20.70	21.80	21.80
EDGE(BPSK) 1 Tx slot	25.76	25.74	25.69	<b>26.80</b>	16.76	16.74	16.69	17.80	17.80
EDGE(BPSK) 2 Tx slots	23.88	23.73	23.84	<b>24.90</b>	17.88	17.73	17.84	18.80	18.80
EDGE(BPSK) 3 Tx slots	21.79	21.84	21.73	<b>22.80</b>	17.53	17.58	17.47	18.54	18.54
EDGE(BPSK) 4 Tx slots	20.18	20.06	20.01	<b>21.30</b>	17.18	17.06	17.01	18.30	18.30

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	9538
Rx Channel	9692	9900	9938	9692	9900	9938	9692	9900	9938
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99	AMR 12.2Kbps	23.41	23.49	23.47	24.50	23.05	23.19	23.15	24.30
3GPP Rel 99	AMR 12.2Kbps	23.44	23.52	23.47	24.50	23.11	23.21	23.17	24.30
3GPP Rel 6	HSDPA Subtest-1	22.53	22.58	22.49	23.50	22.18	22.26	22.23	23.30
3GPP Rel 6	HSDPA Subtest-2	22.39	22.63	22.42	23.50	22.11	22.17	22.16	23.30
3GPP Rel 6	HSDPA Subtest-3	21.92	21.95	21.98	23.00	21.58	21.72	21.85	22.80
3GPP Rel 6	HSDPA Subtest-4	21.89	21.98	21.84	23.00	21.57	21.61	21.60	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	22.40	22.67	22.63	23.50	22.51	22.58	22.55	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	22.39	22.51	22.61	23.50	22.47	22.50	22.50	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	21.87	22.01	22.15	23.00	21.97	22.00	21.98	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	21.84	22.00	22.13	23.00	21.93	21.98	21.93	22.80
3GPP Rel 6	HSUPA Subtest-1	21.50	21.65	21.54	22.30	21.20	21.32	21.26	22.10
3GPP Rel 6	HSUPA Subtest-2	21.49	21.54	21.53	22.30	21.19	21.29	21.20	22.10
3GPP Rel 6	HSUPA Subtest-3	22.52	22.61	22.55	23.30	22.21	22.29	22.22	23.10
3GPP Rel 6	HSUPA Subtest-4	21.05	21.14	21.07	21.80	20.71	20.91	20.80	21.60
3GPP Rel 6	HSUPA Subtest-5	22.40	22.50	22.44	23.30	22.10	22.20	22.20	23.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.03	21.09	21.06	22.30	20.77	20.82	20.79	22.10

Band	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)	
	1312	1413	1513		1312	1413	1513		
TX Channel	1312	1413	1513	1312	1413	1513	1312	1413	1513
Rx Channel	1537	1638	1738	1537	1638	1738	1537	1638	1738
Frequency (MHz)	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	23.53	23.55	23.53	24.50	23.28	23.32	23.29	24.30
3GPP Rel 99	AMR 12.2Kbps	23.56	23.59	23.56	24.50	23.30	23.35	23.31	24.30
3GPP Rel 6	HSDPA Subtest-1	22.60	22.60	22.58	23.50	22.42	22.47	22.43	23.30
3GPP Rel 6	HSDPA Subtest-2	22.62	22.57	22.53	23.50	22.23	22.36	22.34	23.30
3GPP Rel 6	HSDPA Subtest-3	22.16	21.98	21.96	23.00	21.78	21.86	21.81	22.80
3GPP Rel 6	HSDPA Subtest-4	22.14	22.03	22.00	23.00	21.82	21.85	21.80	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	22.69	22.67	22.66	23.50	22.39	22.42	22.39	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	22.60	22.62	22.61	23.50	22.34	22.37	22.36	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	22.07	22.08	22.06	23.00	21.75	21.77	21.73	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	22.50	22.07	22.03	23.00	21.71	21.74		



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				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.52	23.66	23.65	24.5	0	
20	QPSK	1	49	23.79	23.82	23.80			
20	QPSK	1	99	23.50	23.54	23.55			
20	QPSK	50	0	22.77	22.86	22.85			
20	QPSK	50	24	22.74	22.79	22.78	23.5	1	
20	QPSK	50	50	22.75	22.68	22.66			
20	QPSK	100	0	22.68	22.77	22.73			
20	16QAM	1	0	22.84	22.98	22.90	23.5	1	
20	16QAM	1	49	23.13	23.12	23.04			
20	16QAM	1	99	22.84	22.85	22.81			
20	16QAM	50	0	21.73	21.85	21.78			
20	16QAM	50	24	21.74	21.78	21.79	22.5	2	
20	16QAM	50	50	21.73	21.69	21.64			
20	16QAM	100	0	21.71	21.75	21.70			
20	64QAM	1	0	21.79	21.93	21.86			
20	64QAM	1	49	22.04	22.03	21.97	22.5	2	
20	64QAM	1	99	21.77	21.76	21.73			
20	64QAM	50	0	20.75	20.82	20.77			
20	64QAM	50	24	20.76	20.79	20.79	21.5	3	
20	64QAM	50	50	20.74	20.69	20.69			
20	64QAM	100	0	20.72	20.76	20.72			
Channel				18715	18900	19025			
Frequency (MHz)				18675	18800	18925			
15	QPSK	1	0	23.24	23.58	23.54	24.5	0	
15	QPSK	1	37	23.64	23.79	23.72			
15	QPSK	1	74	23.50	23.41	23.55			
15	QPSK	36	0	22.64	22.86	22.81	23.5	1	
15	QPSK	36	39	22.61	22.57	22.51			
15	QPSK	75	0	22.67	22.70	22.57			
15	16QAM	1	0	22.74	22.89	22.77	23.5	1	
15	16QAM	1	37	23.08	23.11	23.06			
15	16QAM	1	74	22.79	22.83	22.75			
15	16QAM	36	0	21.55	21.71	21.71	22.5	2	
15	16QAM	36	20	21.74	21.72	21.63			
15	16QAM	36	39	21.57	21.61	21.57			
15	16QAM	75	0	21.53	21.65	21.60			
15	64QAM	1	0	21.69	21.91	21.89	22.5	2	
15	64QAM	1	37	22.00	22.02	21.85			
15	64QAM	1	74	21.83	21.58	21.70			
15	64QAM	36	0	20.71	20.66	20.66	21.5	3	
15	64QAM	36	20	20.72	20.71	20.71			
15	64QAM	36	39	20.72	20.56	20.47			
15	64QAM	75	0	20.54	20.72	20.67			
Channel				18850	18900	19150			
Frequency (MHz)				18855	18900	19050			
10	QPSK	1	0	23.35	23.51	23.51	24.5	0	
10	QPSK	1	25	23.77	23.63	23.74			
10	QPSK	1	49	23.37	23.48	23.43			
10	QPSK	25	0	22.75	22.70	22.80			
10	QPSK	25	12	22.57	22.75	22.75	23.5	1	
10	QPSK	25	12	22.84	22.50	22.56			
10	QPSK	50	0	22.56	22.89	22.58			
10	16QAM	1	0	22.75	22.81	22.74	23.5	1	
10	16QAM	1	25	22.94	23.01	22.94			
10	16QAM	1	49	22.66	22.66	22.63			
10	16QAM	25	0	21.58	21.80	21.66			
10	16QAM	25	12	21.65	21.64	21.72	22.5	2	
10	16QAM	25	25	21.60	21.87	21.58			
10	16QAM	50	0	21.54	21.72	21.57			
10	64QAM	1	0	21.65	21.81	21.63	22.5	2	
10	64QAM	1	25	21.94	21.89	21.83			
10	64QAM	1	49	21.59	21.69	21.61			
10	64QAM	25	0	20.66	20.64	20.64			
10	64QAM	25	12	20.62	20.66	20.69	21.5	3	
10	64QAM	25	25	20.69	20.57	20.56			
10	64QAM	50	0	20.68	20.81	20.66			
Channel				18625	18900	19175			
Frequency (MHz)				18625	18900	19075			
5	QPSK	1	0	23.45	23.50	23.46	24.5	0	
5	QPSK	1	12	23.52	23.70	23.70			
5	QPSK	1	24	23.32	23.53	23.47			
5	QPSK	12	0	22.76	22.74	22.70	23.5	1	
5	QPSK	12	7	22.73	22.76	22.73			
5	QPSK	12	13	22.60	22.60	22.56			
5	QPSK	25	0	22.53	22.67	22.73			
5	16QAM	1	0	22.82	22.81	22.83	23.5	1	
5	16QAM	1	12	23.13	23.06	22.96			
5	16QAM	1	24	22.81	22.68	22.87			
5	16QAM	12	0	21.55	21.71	21.60	22.5	2	
5	16QAM	12	7	21.56	21.69	21.80			
5	16QAM	12	13	21.69	21.59	21.48			
5	16QAM	25	0	21.59	21.65	21.51			
5	64QAM	1	0	21.75	21.78	21.79	22.5	2	
5	64QAM	1	12	21.99	21.93	21.79			
5	64QAM	1	24	21.63	21.73	21.54			
5	64QAM	12	0	20.74	20.82	20.73	21.5	3	
5	64QAM	12	7	20.61	20.76	20.66			
5	64QAM	12	13	20.57	20.52	20.50			
5	64QAM	25	0	20.55	20.71	20.64			
Channel				18815	18900	19185			
Frequency (MHz)				18815	18900	19085			
3	QPSK	1	0	23.41	23.47	23.63	24.5	0	
3	QPSK	1	8	23.71	23.64	23.62			
3	QPSK	1	14	23.42	23.40	23.36			
3	QPSK	8	0	22.75	22.70	22.70	23.5	1	
3	QPSK	8	4	22.72	22.73	22.66			
3	QPSK	8	4	22.59	22.57	22.56			
3	QPSK	15	0	22.64	22.71	22.62			
3	16QAM	1	0	22.66	22.93	22.88	23.5	1	
3	16QAM	1	8	23.01	23.05	22.91			
3	16QAM	1	14	22.74	22.74	22.63			
3	16QAM	8	0	21.68	21.66	21.63	22.5	2	
3	16QAM	8	4	21.71	21.69	21.62			
3	16QAM	8	7	21.80	21.53	21.57			
3	16QAM	15	0	21.65	21.72	21.64			
3	64QAM	1	0	21.66	21.80	21.77	22.5	2	
3	64QAM	1	8	22.01	21.95	21.88			
3	64QAM	1	14	21.65	21.69	21.56			
3	64QAM	8	0	20.59	20.69	20.68	21.5	3	
3	64QAM	8	4	20.76	20.79	20.70			
3	64QAM	8	7	20.71	20.55	20.52			
3	64QAM	15	0	20.54	20.62	20.57			
Channel				18607	18900	19193			
Frequency (MHz)				18607	18900	19093			
1.4	QPSK	1	0	23.41	23.53	23.64	24.5	0	
1.4	QPSK	1	3	23.70	23.67	23.67			
1.4	QPSK	1	5	23.38	23.42	23.43			
1.4	QPSK	3	0	23.52	23.49	23.46	23.5	1	
1.4	QPSK	3	1	23.70	23.65	23.66			
1.4	QPSK	3	3	23.42	23.40	23.48			
1.4	QPSK	6	0	22.62	22.72	22.56	23.5	1	
1.4	16QAM	1	0	22.66	22.97	22.79			
1.4	16QAM	1	3	22.91	22.90	22.95			
1.4	16QAM	1	5	22.78	22.78	22.73	23.5	1	
1.4	16QAM	3	0	22.69	22.95	22.78			
1.4	16QAM	3	1	22.96	22.88	22.85			
1.4	16QAM	3	3	22.65	22.78	22.65	22.5	2	
1.4	16QAM	6	0	21.71	21.62	21.62			
1.4	64QAM	1	0	21.81	21.83	21.84	22.5	2	
1.4	64QAM	1	3	21.91	21.80	21.94			
1.4	64QAM	1	5	21.73	21.70	21.75	22.5	2	
1.4	64QAM	3	0	21.69	21.71	21.69			
1.4	64QAM	3	1	21.81	21.91	21.92			
1.4	64QAM	3	3	21.64	21.67	21.66	21.5	3	
1.4	64QAM	6	0	20.61	20.72	20.55			

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				18700	18900	19100			
Frequency (MHz)				18600	18800	19000			
20	QPSK	1	0	23.14	23.16	23.10	24.3	0	
20	QPSK	1	49	23.21	23.33	23.32			
20	QPSK	1	99	23.05	23.11	23.08			
20	QPSK	50	0	22.23	22.35	22.31	23.3	1	
20	QPSK	50	24	22.22	22.17	22.22			
20	QPSK	50	50	22.22	22.25	22.22			
20	QPSK	100	0	22.22	22.27	22.22			
20	16QAM	1	0	22.36	22.45	22.40	23.3	1	
20	16QAM	1	49	22.55	22.60	22.60			
20	16QAM	1	99	22.28	22.36	22.33			
20	16QAM	50	0	21.21	21.34	21.28			
20	16QAM	50	24	21.24	21.28	21.32	22.3	2	
20	16QAM	50	50	21.22	21.15	21.23			
20	16QAM	100	0	21.20	21.24	21.22			
20	64QAM	1	0	21.18	21.42	21.33	22.3	2	
20	64QAM	1	49	21.46	21.45	21.57			
20	64QAM	1	99	21.28	21.27	21.21			
20	64QAM	50	0	20.25	20.32	20.25			



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				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	23.04	23.10	23.12	24.3	0			
20	QPSK	1	49	23.27	23.33	23.30					
20	QPSK	1	99	23.11	23.12	23.10					
20	QPSK	50	0	22.30	22.34	22.32					
20	QPSK	50	24	22.25	22.30	22.32	23.3	1			
20	QPSK	50	50	22.21	22.31	22.30					
20	QPSK	100	0	22.28	22.30	22.25					
20	16QAM	1	0	22.31	22.44	22.38					
20	16QAM	1	49	22.60	22.62	22.58	23.3	1			
20	16QAM	1	99	22.24	22.21	22.16					
20	16QAM	50	0	21.32	21.26	21.25					
20	16QAM	50	24	21.24	21.28	21.30					
20	16QAM	50	50	21.22	21.28	21.26	22.3	2			
20	16QAM	100	0	21.24	21.25	21.22					
20	84QAM	1	0	21.24	21.34	21.39					
20	84QAM	1	49	21.42	21.45	21.51	22.3	2			
20	84QAM	1	99	21.14	21.06	21.13					
20	84QAM	50	0	20.30	20.24	20.24					
20	84QAM	50	24	20.27	20.29	20.28					
20	84QAM	50	50	20.17	20.27	20.23	21.3	3			
20	84QAM	100	0	20.25	20.27	20.20					
Channel				20050	20175	20300					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	22.94	22.96	22.93	24.3	0			
15	QPSK	1	37	23.12	23.16	23.19					
15	QPSK	1	74	22.85	22.74	22.92					
15	QPSK	36	0	22.29	22.30	22.29					
15	QPSK	36	20	22.10	22.18	22.28	23.3	1			
15	QPSK	36	39	22.20	22.31	22.24					
15	QPSK	75	0	22.12	22.28	22.09					
15	16QAM	1	0	22.14	22.44	22.25					
15	16QAM	1	37	22.30	22.45	22.43	23.3	1			
15	16QAM	1	74	22.24	22.17	22.08					
15	16QAM	36	0	21.32	21.12	21.07					
15	16QAM	36	20	21.05	21.15	21.14	22.3	2			
15	16QAM	36	39	21.03	21.09	21.21					
15	16QAM	75	0	21.12	21.14	21.13					
15	84QAM	1	0	21.12	21.16	21.32					
15	84QAM	1	37	21.35	21.31	21.43	22.3	2			
15	84QAM	36	0	21.09	20.89	20.99					
15	84QAM	36	20	20.13	20.06	20.15	21.3	3			
15	84QAM	36	39	20.08	20.20	20.12					
15	84QAM	36	39	19.99	20.20	20.15					
15	84QAM	75	0	20.06	20.19	20.06					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	22.96	22.95	23.01	24.3	0			
10	QPSK	1	25	23.08	23.27	23.19					
10	QPSK	1	49	22.91	22.85	22.97					
10	QPSK	25	0	22.28	22.19	22.27					
10	QPSK	25	12	22.12	22.18	22.30	23.3	1			
10	QPSK	25	25	22.19	22.28	22.22					
10	QPSK	50	0	22.11	22.21	22.12					
10	16QAM	1	0	22.19	22.43	22.31	23.3	1			
10	16QAM	1	25	22.43	22.61	22.55					
10	16QAM	1	49	22.07	22.09	22.04					
10	16QAM	25	0	21.15	21.23	21.21					
10	16QAM	25	12	21.09	21.17	21.16	22.3	2			
10	16QAM	25	25	21.12	21.18	21.25					
10	16QAM	50	0	21.11	21.08	21.16					
10	84QAM	1	0	21.10	21.26	21.34					
10	84QAM	1	25	21.37	21.31	21.35	22.3	2			
10	84QAM	1	49	20.96	20.99	21.03					
10	84QAM	25	0	20.27	20.22	20.05					
10	84QAM	25	12	20.14	20.11	20.24	21.3	3			
10	84QAM	25	25	20.12	20.23	20.16					
10	84QAM	50	0	20.11	20.18	20.08					
Channel				19975	20175	20375					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	22.93	23.09	23.07	24.3	0			
5	QPSK	1	12	23.14	23.17	23.14					
5	QPSK	1	24	22.92	22.74	22.79					
5	QPSK	12	0	22.17	22.28	22.17	23.3	1			
5	QPSK	12	7	22.22	22.22	22.17					
5	QPSK	12	13	22.08	22.27	22.24					
5	QPSK	25	0	22.21	22.16	22.07					
5	16QAM	1	0	22.12	22.28	22.29	23.3	1			
5	16QAM	1	12	22.46	22.52	22.41					
5	16QAM	1	24	22.21	22.11	22.08					
5	16QAM	12	0	21.13	21.15	21.16					
5	16QAM	12	7	21.17	21.23	21.15	22.3	2			
5	16QAM	12	13	21.10	21.15	21.20					
5	16QAM	25	0	21.05	21.06	21.18					
5	84QAM	1	0	21.21	21.15	21.21					
5	84QAM	1	12	21.42	21.30	21.36	22.3	2			
5	84QAM	1	24	21.08	20.89	20.99					
5	84QAM	12	0	20.17	20.06	20.15					
5	84QAM	12	7	20.08	20.17	20.12	21.3	3			
5	84QAM	12	13	20.14	20.21	20.11					
5	84QAM	25	0	20.18	20.21	20.17					
Channel				19955	20175	20385					
Frequency (MHz)				1711.5	1732.5	1763.5					
3	QPSK	1	0	22.99	22.94	23.00	24.3	0			
3	QPSK	1	8	23.19	23.27	23.27					
3	QPSK	1	14	22.78	22.91	22.94					
3	QPSK	8	0	22.26	22.29	22.13					
3	QPSK	8	4	22.07	22.26	22.14	23.3	1			
3	QPSK	8	7	22.21	22.19	22.13					
3	QPSK	15	0	22.16	22.29	22.06					
3	16QAM	1	0	22.31	22.27	22.31	23.3	1			
3	16QAM	1	8	22.49	22.54	22.48					
3	16QAM	1	14	22.15	22.15	22.16					
3	16QAM	8	0	21.18	21.17	21.11					
3	16QAM	8	4	21.17	21.21	21.20	22.3	2			
3	16QAM	8	7	21.14	21.11	21.10					
3	16QAM	15	0	21.10	21.10	21.21					
3	84QAM	1	0	21.05	21.15	21.37	22.3	2			
3	84QAM	1	8	21.28	21.45	21.33					
3	84QAM	1	14	21.03	20.87	20.95					
3	84QAM	8	0	20.21	20.13	20.05					
3	84QAM	8	4	20.12	20.17	20.16	21.3	3			
3	84QAM	8	7	19.98	20.13	20.10					
3	84QAM	15	0	20.11	20.20	20.04					
Channel				19957	20175	20393					
Frequency (MHz)				1710.7	1732.5	1764.3					
1.4	QPSK	1	0	23.02	22.95	23.07	24.3	0			
1.4	QPSK	1	3	23.11	23.16	23.12					
1.4	QPSK	1	5	22.93	22.90	22.95					
1.4	QPSK	3	0	22.87	22.82	23.05					
1.4	QPSK	3	1	23.02	23.08	22.96					
1.4	QPSK	3	3	22.82	22.81	22.95	23.3	1			
1.4	QPSK	6	0	22.25	22.14	22.11					
1.4	16QAM	1	0	22.42	22.38	22.40					
1.4	16QAM	1	3	22.59	22.59	22.56					
1.4	16QAM	1	5	22.29	22.30	22.33	23.3	1			
1.4	16QAM	3	0	22.31	22.32	22.25					
1.4	16QAM	3	1	22.56	22.41	22.39					
1.4	16QAM	3	3	22.28	22.30	22.28	22.3	2			
1.4	84QAM	1	0	21.30	21.33	21.36					
1.4	84QAM	1	3	21.41	21.34	21					



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)	Ch Delta > 0.5
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.77	23.77	23.79	24.7	0	0.34
20	QPSK	1	49	24.02	24.10	24.09			
20	QPSK	1	99	23.76	23.79	23.71			
20	QPSK	50	0	23.00	23.12	23.11	23.7	1	0.18
20	QPSK	50	24	22.89	23.10	23.08			
20	QPSK	50	50	22.58	23.02	23.02			
20	QPSK	100	0	22.94	23.05	23.02			
20	16QAM	1	0	23.01	23.01	23.03	23.7	1	0.31
20	16QAM	1	49	23.28	23.32	23.31			
20	16QAM	1	99	23.04	23.05	23.01			
20	16QAM	50	0	21.95	21.98	22.06			
20	16QAM	50	24	22.01	22.03	22.09	22.7	2	0.14
20	16QAM	50	50	22.01	22.03	22.03			
20	16QAM	100	0	21.96	22.02	22.04			
20	84QAM	1	0	21.97	22.02	21.97	22.7	2	0.29
20	84QAM	1	49	22.26	22.25	22.23			
20	84QAM	1	99	22.02	22.03	21.97			
20	84QAM	50	0	20.93	20.96	21.04			
20	84QAM	50	24	21.04	21.04	21.06	21.7	3	0.13
20	84QAM	50	50	20.99	21.02	21.01			
20	84QAM	100	0	20.95	21.02	21.05			
Channel				20855	21100	21355			
Frequency (MHz)				2507.5	2535	2565.5			
15	QPSK	1	0	23.82	23.82	23.71	24.7	0	0.48
15	QPSK	1	37	23.90	24.10	24.00			
15	QPSK	1	74	23.74	23.79	23.70			
15	QPSK	36	0	22.92	22.95	22.94	23.7	1	0.20
15	QPSK	36	20	22.84	22.93	23.04			
15	QPSK	36	39	22.85	22.93	22.91			
15	QPSK	75	0	22.85	22.99	22.95			
15	16QAM	1	0	22.89	22.93	23.02	23.7	1	0.36
15	16QAM	1	37	23.14	23.25	23.18			
15	16QAM	1	74	22.90	23.00	22.98			
15	16QAM	36	0	21.86	21.84	21.89	22.7	2	0.29
15	16QAM	36	20	21.92	21.86	22.08			
15	16QAM	36	39	21.94	22.02	21.97			
15	16QAM	75	0	21.79	21.87	22.02			
15	84QAM	1	0	21.90	21.97	21.95	22.7	2	0.36
15	84QAM	1	37	22.21	22.15	22.15			
15	84QAM	1	74	21.85	22.01	21.85			
15	84QAM	36	0	20.75	20.84	20.88	21.7	3	0.30
15	84QAM	36	20	20.89	21.04	21.05			
15	84QAM	36	39	20.88	20.87	20.90			
15	84QAM	75	0	20.85	20.93	20.85			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.69	23.71	23.72	24.7	0	0.43
10	QPSK	1	25	23.93	24.02	24.02			
10	QPSK	1	49	23.59	23.78	23.71			
10	QPSK	25	0	22.90	23.03	22.98	23.7	1	0.21
10	QPSK	25	12	22.81	22.98	23.05			
10	QPSK	25	25	22.84	22.98	22.87			
10	QPSK	50	0	22.85	22.88	22.94			
10	16QAM	1	0	22.97	22.89	22.98	23.7	1	0.39
10	16QAM	1	25	23.28	23.15	23.20			
10	16QAM	1	49	23.04	23.01	22.89			
10	16QAM	25	0	21.92	21.83	21.90	22.7	2	0.15
10	16QAM	25	12	21.90	21.88	21.94			
10	16QAM	25	25	21.84	21.82	21.86			
10	16QAM	50	0	21.87	21.84	21.88			
10	84QAM	1	0	21.82	21.95	21.84	22.7	2	0.44
10	84QAM	1	25	22.26	22.07	22.15			
10	84QAM	1	49	21.92	21.89	21.97			
10	84QAM	25	0	20.80	20.85	21.01	21.7	3	0.21
10	84QAM	25	12	20.88	20.95	20.97			
10	84QAM	25	25	20.88	20.97	20.99			
10	84QAM	50	0	20.87	20.94	21.01			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.74	23.81	23.70	24.7	0	0.38
5	QPSK	1	12	23.84	23.69	23.84			
5	QPSK	1	24	23.61	23.69	23.70			
5	QPSK	12	0	22.84	23.09	23.08	23.7	1	0.25
5	QPSK	12	7	22.86	23.07	23.04			
5	QPSK	12	13	22.91	22.97	22.88			
5	QPSK	25	0	22.89	23.04	22.87	23.7	1	0.46
5	16QAM	1	0	22.84	22.96	22.91			
5	16QAM	1	12	23.09	23.23	23.30			
5	16QAM	1	24	22.90	23.01	22.94	22.7	2	0.18
5	16QAM	12	0	21.82	21.92	21.98			
5	16QAM	12	7	21.83	21.92	21.97			
5	16QAM	12	13	22.00	21.93	21.90			
5	16QAM	25	0	21.94	21.83	21.89	22.7	2	0.30
5	84QAM	1	0	21.90	21.88	21.88			
5	84QAM	1	12	22.17	22.18	22.15			
5	84QAM	1	24	21.93	21.88	21.84			
5	84QAM	12	0	20.78	20.90	20.87	21.7	3	0.25
5	84QAM	12	7	20.88	20.90	20.96			
5	84QAM	12	13	20.87	20.85	20.92			
5	84QAM	25	0	20.77	21.02	20.94			

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)	Ch Delta > 0.5
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.30	23.27	23.33	24.2	0	
20	QPSK	1	49	23.45	23.52	23.50			
20	QPSK	1	99	23.29	23.33	23.45			
20	QPSK	50	0	22.39	22.50	22.47	23.2	1	
20	QPSK	50	24	22.37	22.33	22.35			
20	QPSK	50	50	22.28	22.37	22.37			
20	QPSK	100	0	22.40	22.63	22.62			
20	16QAM	1	0	22.34	22.32	22.45	23.2	1	
20	16QAM	1	49	22.52	22.64	22.60			
20	16QAM	1	99	22.39	22.54	22.57			
20	16QAM	50	0	21.20	21.35	21.30			
20	16QAM	50	24	21.39	21.51	21.50	22.2	2	
20	16QAM	50	50	21.29	21.32	21.45			
20	16QAM	100	0	21.25	21.37	21.42			
20	84QAM	1	0	21.38	21.30	21.49	22.2	2	
20	84QAM	1	49	21.42	21.59	21.55			
20	84QAM	1	99	21.33	21.52	21.60			
20	84QAM	50	0	20.26	20.34	20.40	21.2	3	
20	84QAM	50	24	20.30	20.35	20.42			
20	84QAM	50	50	20.27	20.34	20.45			
20	84QAM	100	0	20.20	20.38	20.41			
Channel				20875	21100	21375			
Frequency (MHz)				2507.5	2535	2567.5			
15	QPSK	1	0	23.24	23.13	23.23	24.2	0	
15	QPSK	1	37	23.27	23.37	23.49			
15	QPSK	1	74	23.19	23.23	23.35			
15	QPSK	36	0	22.24	22.46	22.41	23.2	1	
15	QPSK	36	20	22.23	22.17	22.22			
15	QPSK	36	39	22.16	22.23	22.28			
15	QPSK	75	0	22.33	22.44	22.61			
15	16QAM	1	0	22.33	22.18	22.35	23.2	1	
15	16QAM	1	37	22.44	22.63	22.54			
15	16QAM	1	74	22.34	22.46	22.54			
15	16QAM	36	0	21.11	21.31	21.30	22.2	2	
15	16QAM	36	20	21.36	21.51	21.34			
15	16QAM	36	39	21.26	21.15	21.41			
15	16QAM	75	0	21.14	21.27	21.41			
15	84QAM	1	0	21.21	21.19	21.34	22.2	2	
15	84QAM	1	37	21.27	21.56	21.54			
15	84QAM	1	74	21.19	21.39	21.52			
15	84QAM	36	0	20.15	20.19	20.22	21.2	3	
15	84QAM	36							



### 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							23230		
Frequency (MHz)							782		
10	QPSK	1	0	23.19			24.4	0	
10	QPSK	1	25	23.25					
10	QPSK	1	49	23.22					
10	QPSK	25	0	22.24			23.4	1	
10	QPSK	25	12	22.22					
10	QPSK	25	25	22.21					
10	QPSK	50	0	22.26			23.4	1	
10	16QAM	1	0	22.41					
10	16QAM	1	25	22.49					
10	16QAM	1	49	22.40			22.4	2	
10	16QAM	25	0	21.26					
10	16QAM	25	12	21.31					
10	16QAM	25	25	21.31			22.4	2	
10	16QAM	50	0	21.25					
10	16QAM	50	0	21.25					
10	64QAM	1	0	21.38			22.4	2	
10	64QAM	1	25	21.44					
10	64QAM	1	49	21.43					
10	64QAM	25	0	20.29			21.4	3	
10	64QAM	25	12	20.31					
10	64QAM	25	25	20.31					
10	64QAM	50	0	20.27					
Channel							23205	23230	23255
Frequency (MHz)							773.5	782	791.5
5	QPSK	1	0	22.90	22.82	22.82	24.4	0	
5	QPSK	1	12	22.87	22.96	22.98			
5	QPSK	1	24	23.02	22.87	22.99			
5	QPSK	12	0	21.92	22.00	21.99	23.4	1	
5	QPSK	12	7	21.85	21.87	21.99			
5	QPSK	12	13	21.83	21.94	21.87			
5	QPSK	25	0	21.87	22.04	22.02	23.4	1	
5	16QAM	1	0	22.09	22.03	22.15			
5	16QAM	1	12	22.13	22.17	22.15			
5	16QAM	1	24	22.09	22.05	22.19	22.4	2	
5	16QAM	12	0	20.95	20.88	20.95			
5	16QAM	12	7	21.02	21.01	21.06			
5	16QAM	12	13	20.94	21.05	20.97	22.4	2	
5	16QAM	25	0	21.03	21.00	20.92			
5	64QAM	1	0	21.13	21.05	21.09			
5	64QAM	1	12	21.13	21.15	21.22	22.4	2	
5	64QAM	1	24	21.12	21.12	21.13			
5	64QAM	12	0	20.03	19.99	19.90			
5	64QAM	12	7	20.03	20.03	20.07	21.4	3	
5	64QAM	12	13	20.01	19.97	20.08			
5	64QAM	25	0	19.89	19.88	19.94			

### 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							23925		
Frequency (MHz)							822.5		
15	QPSK	1	0	23.89			25	0	
15	QPSK	1	37	24.13					
15	QPSK	1	74	23.88					
15	QPSK	36	0	23.10			24	1	
15	QPSK	36	20	23.09					
15	QPSK	36	39	23.02					
15	QPSK	75	0	23.02			24	1	
15	16QAM	1	0	23.14					
15	16QAM	1	37	23.42					
15	16QAM	1	74	23.10			23	2	
15	16QAM	36	0	22.01					
15	16QAM	36	20	22.03					
15	16QAM	36	39	21.99			23	2	
15	16QAM	75	0	22.01					
15	64QAM	1	0	22.07					
15	64QAM	1	37	22.31			22	3	
15	64QAM	1	74	22.01					
15	64QAM	36	0	21.05					
15	64QAM	36	20	21.09			22	3	
15	64QAM	36	39	21.06					
15	64QAM	75	0	21.03					
Channel							23900	23925	23950
Frequency (MHz)							820	822.5	825
10	QPSK	1	0	23.73	23.78	23.85	25	0	
10	QPSK	1	25	24.12	24.00	24.05			
10	QPSK	1	49	23.76	23.82	23.70			
10	QPSK	25	0	23.03	22.94	23.10	24	1	
10	QPSK	25	12	23.02	22.92	22.97			
10	QPSK	25	25	22.91	22.87	22.94			
10	QPSK	50	0	22.92	22.87	22.94	24	1	
10	16QAM	1	0	23.02	22.96	22.96			
10	16QAM	1	25	23.25	23.23	23.35			
10	16QAM	1	49	23.06	22.98	23.04	23	2	
10	16QAM	25	0	21.87	21.91	21.89			
10	16QAM	25	12	21.97	21.92	21.87			
10	16QAM	25	25	21.83	21.99	21.95	23	2	
10	16QAM	50	0	21.82	22.00	21.92			
10	64QAM	1	0	21.95	21.88	22.06			
10	64QAM	1	25	22.30	22.23	22.19	23	2	
10	64QAM	1	49	21.86	21.85	21.91			
10	64QAM	25	0	20.98	20.89	20.93			
10	64QAM	25	12	21.00	21.04	20.94	22	3	
10	64QAM	25	25	20.88	21.00	20.93			
10	64QAM	50	0	20.99	20.87	20.91			
Channel							23875	23925	23975
Frequency (MHz)							817.5	822.5	827.5
5	QPSK	1	0	23.60	23.65	23.75	25	0	
5	QPSK	1	12	24.11	23.86	23.89			
5	QPSK	1	24	23.73	23.63	23.70			
5	QPSK	12	0	22.93	22.94	22.97	24	1	
5	QPSK	12	7	23.02	22.77	22.96			
5	QPSK	12	13	22.79	22.70	22.80			
5	QPSK	25	0	22.77	22.86	22.81	24	1	
5	16QAM	1	0	22.98	22.86	22.93			
5	16QAM	1	12	23.16	23.09	23.19			
5	16QAM	1	24	23.02	22.84	22.99	23	2	
5	16QAM	12	0	21.73	21.88	21.73			
5	16QAM	12	7	21.88	21.76	21.70			
5	16QAM	12	13	21.73	21.81	21.78	23	2	
5	16QAM	25	0	20.98	20.89	20.93			
5	64QAM	1	0	21.79	21.82	21.93			
5	64QAM	1	12	22.25	22.04	22.01	22	3	
5	64QAM	1	24	21.97	21.79	21.76			
5	64QAM	12	0	20.98	20.84	20.77			
5	64QAM	12	7	20.87	20.93	20.89	22	3	
5	64QAM	12	13	20.86	20.92	20.74			
5	64QAM	25	0	20.97	20.77	20.82			

### 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							23925		
Frequency (MHz)							822.5		
15	QPSK	1	0	23.56			24.9	0	
15	QPSK	1	37	23.77					
15	QPSK	1	74	23.64					
15	QPSK	36	0	22.77			23.9	1	
15	QPSK	36	20	22.75					
15	QPSK	36	39	22.70					
15	QPSK	75	0	22.73			23.9	1	
15	16QAM	1	0	22.81					
15	16QAM	1	37	22.98					
15	16QAM	1	74	22.82			22.9	2	
15	16QAM	36	0	21.73					
15	16QAM	36	20	21.74					
15	16QAM	36	39	21.74			22.9	2	
15	16QAM	75	0	21.72					
15	64QAM	1	0	21.71					
15	64QAM	1	37	21.94			21.9	3	
15	64QAM	1	74	21.86					
15	64QAM	36	0	20.77					
15	64QAM	36	20	20.79			21.9	3	
15	64QAM	36	39	20.78					
15	64QAM	75	0	20.74					
Channel							23900	23925	23950
Frequency (MHz)							820	822.5	825
10	QPSK	1	0	23.46	23.48	23.49	24.9	0	
10	QPSK	1	25	23.70	23.69	23.68			
10	QPSK	1	49	23.59	23.52	23.57			
10	QPSK	25	0	22.76	22.77	22.76	23.9	1	
10	QPSK	25	12	22.59	22.58	22.72			
10	QPSK	25	25	22.65	22.70	22.58			
10	QPSK	50	0	22.54	22.55	22.64	23.9	1	
10	16QAM	1	0	22.65	22.67	22.78			
10	16QAM	1	25	22.83	22.86	22.91			
10	16QAM	1	49	22.67	22.69	22.75	22.9	2	
10	16QAM	25	0	21.73	21.59	21.58			
10	16QAM	25	12	21.72	21.66	21.59			
10	16QAM	25	25	21.71	21.73	21.61	22.9	2	
10	16QAM	50	0	21.70	21.71	21.63			
10	64QAM	1	0	21.53	21.61	21.67			
10	64QAM	1	25	21.82	21.85	21.80	22.9	2	
10	64QAM	1	49	21.81	21.81	21.89			
10	64QAM	25	0	20.77	20.67	20.69			
10	64QAM	25	12	20.67	20.78	20.74	21.9	3	
10	64QAM	25	25	20.69	20.74	20.74			
10	64QAM	50	0	20.65	20.67	20.70			
Channel							23875	23925	23975
Frequency (MHz)							817.5	822.5	827



### 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							24.75	0			
Frequency (MHz)											
15	QPSK	1	0	23.95			25	0			
15	QPSK	1	37	24.12							
15	QPSK	1	74	23.89							
15	QPSK	36	0	23.11			24	1			
15	QPSK	36	20	23.06							
15	QPSK	36	39	23.05							
15	QPSK	75	0	23.09			24	1			
15	16QAM	1	0	23.16							
15	16QAM	1	37	23.39							
15	16QAM	1	74	23.15			23	2			
15	16QAM	36	0	22.06							
15	16QAM	36	20	22.09							
15	16QAM	36	39	22.02			23	2			
15	16QAM	75	0	22.05							
15	84QAM	1	0	22.10							
15	84QAM	1	37	22.37			22	3			
15	84QAM	1	74	22.05							
15	84QAM	36	0	21.11							
15	84QAM	36	20	21.16			24	1			
15	84QAM	36	39	21.08							
15	84QAM	75	0	21.06							
Channel							24.050	24.075	24.100	25	0
Frequency (MHz)							832	837.5	840		
10	QPSK	1	0	23.81	23.92	23.77	24	1			
10	QPSK	1	25	24.12	24.03	24.01					
10	QPSK	1	49	23.79	23.80	23.70					
10	QPSK	25	0	23.04	23.02	22.94	24	1			
10	QPSK	25	12	23.01	22.91	22.88					
10	QPSK	25	25	22.96	22.87	22.89					
10	QPSK	50	0	22.94	22.91	23.00	24	1			
10	16QAM	1	0	23.04	23.14	22.99					
10	16QAM	1	25	23.31	23.30	23.37					
10	16QAM	1	49	23.04	23.14	23.15	23	2			
10	16QAM	25	0	22.03	21.92	21.91					
10	16QAM	25	12	22.08	22.01	21.93					
10	16QAM	25	25	21.86	21.88	21.88	23	2			
10	16QAM	50	0	22.04	21.97	21.97					
10	84QAM	1	0	21.96	22.04	22.09					
10	84QAM	1	25	22.26	22.22	22.25	22	3			
10	84QAM	1	49	21.88	22.04	21.94					
10	84QAM	25	0	21.11	20.92	21.01					
10	84QAM	25	12	21.15	21.04	21.05	23	2			
10	84QAM	25	25	20.94	20.93	21.00					
10	84QAM	50	0	20.97	21.08	20.97					
Channel							24.025	24.075	24.125	24	1
Frequency (MHz)							832.5	837.5	842.5		
5	QPSK	1	0	23.95	23.90	23.83	25	0			
5	QPSK	1	12	24.00	23.94	24.00					
5	QPSK	1	24	23.74	23.79	23.88					
5	QPSK	12	0	22.94	23.08	23.04	24	1			
5	QPSK	12	7	22.89	22.91	22.86					
5	QPSK	12	13	22.98	22.96	22.91					
5	QPSK	25	0	22.90	23.01	22.98	24	1			
5	16QAM	1	0	23.06	23.15	22.98					
5	16QAM	1	12	23.35	23.25	23.32					
5	16QAM	1	24	23.10	22.98	23.09	23	2			
5	16QAM	12	0	21.98	22.03	21.92					
5	16QAM	12	7	22.06	21.93	21.91					
5	16QAM	12	13	21.90	21.81	21.87	23	2			
5	16QAM	25	0	21.99	21.94	21.89					
5	84QAM	1	0	21.94	21.91	21.97					
5	84QAM	1	12	22.23	22.26	22.26	22	3			
5	84QAM	1	24	21.98	22.01	21.94					
5	84QAM	12	0	20.92	21.07	20.99					
5	84QAM	12	7	21.16	20.97	21.16	24	1			
5	84QAM	12	13	21.04	20.89	21.00					
5	84QAM	25	0	20.87	20.81	21.05					

### 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							24.075	0			
Frequency (MHz)											
15	QPSK	1	0	23.61			24.9	0			
15	QPSK	1	37	23.79							
15	QPSK	1	74	23.63							
15	QPSK	36	0	22.88			23.9	1			
15	QPSK	36	20	22.80							
15	QPSK	36	39	22.77							
15	QPSK	75	0	22.78			23.9	1			
15	16QAM	1	0	22.77							
15	16QAM	1	37	23.10							
15	16QAM	1	74	22.80			22.9	2			
15	16QAM	36	0	21.78							
15	16QAM	36	20	21.79							
15	16QAM	36	39	21.71			22.9	2			
15	16QAM	75	0	21.77							
15	84QAM	1	0	21.76							
15	84QAM	1	37	22.12			21.9	3			
15	84QAM	1	74	21.76							
15	84QAM	36	0	20.81							
15	84QAM	36	20	20.83			24.050	24.100			
15	84QAM	36	39	20.78							
15	84QAM	75	0	20.76							
Channel							24.050	24.075	24.100	24.9	0
Frequency (MHz)							835	837.5	840		
10	QPSK	1	0	23.50	23.60	23.45	24.9	0			
10	QPSK	1	25	23.68	23.77	23.68					
10	QPSK	1	49	23.59	23.55	23.62					
10	QPSK	25	0	22.74	22.73	22.85	23.9	1			
10	QPSK	25	12	22.66	22.69	22.74					
10	QPSK	25	25	22.74	22.59	22.59					
10	QPSK	50	0	22.78	22.60	22.65	23.9	1			
10	16QAM	1	0	22.72	22.77	22.68					
10	16QAM	1	25	23.00	22.98	22.93					
10	16QAM	1	49	22.76	22.70	22.64	22.9	2			
10	16QAM	25	0	21.78	21.62	21.75					
10	16QAM	25	12	21.77	21.75	21.72					
10	16QAM	25	25	21.52	21.58	21.52	22.9	2			
10	16QAM	50	0	21.66	21.64	21.65					
10	84QAM	1	0	21.67	21.67	21.65					
10	84QAM	1	25	21.97	21.95	22.04	21.9	3			
10	84QAM	1	49	21.71	21.70	21.65					
10	84QAM	25	0	20.74	20.63	20.63					
10	84QAM	25	12	20.80	20.66	20.80	24.025	24.075			
10	84QAM	25	25	20.71	20.61	20.76					
10	84QAM	50	0	20.59	20.59	20.72					
Channel							24.025	24.075	24.125	24.9	0
Frequency (MHz)							832.5	837.5	842.5		
5	QPSK	1	0	23.56	23.52	23.53	24.9	0			
5	QPSK	1	12	23.64	23.75	23.75					
5	QPSK	1	24	23.63	23.63	23.50					
5	QPSK	12	0	22.86	22.69	22.78	23.9	1			
5	QPSK	12	7	22.68	22.63	22.68					
5	QPSK	12	13	22.87	22.72	22.65					
5	QPSK	25	0	22.63	22.75	22.69	23.9	1			
5	16QAM	1	0	22.60	22.61	22.64					
5	16QAM	1	12	23.08	23.04	23.01					
5	16QAM	1	24	22.77	22.76	22.70	22.9	2			
5	16QAM	12	0	21.72	21.65	21.68					
5	16QAM	12	7	21.71	21.76	21.75					
5	16QAM	12	13	21.64	21.58	21.65	22.9	2			
5	16QAM	25	0	21.66	21.77	21.75					
5	84QAM	1	0	21.57	21.65	21.68					
5	84QAM	1	12	22.00	22.06	22.03	21.9	3			
5	84QAM	1	24	21.69	21.72	21.71					
5	84QAM	12	0	20.79	20.81	20.65					
5	84QAM	12	7	20.77	20.79	20.81	24.050	24.100			
5	84QAM	12	13	20.72	20.74	20.63					
5	84QAM	25	0	20.69	20.60	20.72					

### 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							26.765	26.865	26.965
Frequency (MHz)									
15	QPSK	1	0	23.87	23.89	23.87	25	0	
15	QPSK	1	37	24.14	24.15	24.09			
15	QPSK	1	74	23.88	23.82	23.80			
15	QPSK	36	0	23.01	23.03	23.02	24	1	
15	QPSK	36	20	22.99	23.02	22.95			
15	QPSK	36	39	23.00	22.98	22.99			
15	QPSK	75	0	23.02	23.05	23.01	24	1	
15	16QAM	1	0	23.11	23.23	23.08			
15	16QAM	1	37	23.38	23.32	23.29			
15	16QAM	1	74	23.13	23.05	23.07	23	2	
15	16QAM	36	0	22.01	22.00	21.98			
15	16QAM	36	20	22.04	21.98	22.01			
15	16QAM	36	39	22.00	21.97	21.96	23	2	
15	16QAM	75	0	22.01	22.00	21.97			
15	84QAM	1	0	22.06	22.09	22.10			
15	84QAM	1	37	22.36	22.27	22.24	23	2	
15	84QAM	1	74	22.03	22.00	21.99			
15	84QAM	36	0	21.04	21.05	21.03			
15	84QAM	36	20	21.11					



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				26785	26865	26965				
Frequency (MHz)				8215	8315	8415				
15	QPSK	1	0	23.52	23.54	23.58	24.9	0		
15	QPSK	1	37	23.75	23.69	23.83				
15	QPSK	1	74	23.62	23.59	23.67				
15	QPSK	36	0	22.78	22.80	22.78	23.9	1		
15	QPSK	36	39	22.74	22.69	22.77				
15	QPSK	36	75	22.70	22.67	22.71				
15	16QAM	1	0	22.82	22.83	22.85	23.9	1		
15	16QAM	1	37	23.05	23.03	23.08				
15	16QAM	1	74	22.81	22.83	22.90				
15	16QAM	36	0	21.65	21.65	21.73	22.9	2		
15	16QAM	36	20	21.69	21.69	21.74				
15	16QAM	36	39	21.74	21.65	21.67				
15	16QAM	36	75	21.72	21.65	21.75				
15	64QAM	1	0	21.69	21.68	21.77	22.9	2		
15	64QAM	1	37	21.91	21.93	21.87				
15	64QAM	1	74	21.76	21.72	21.79				
15	64QAM	36	0	20.71	20.71	20.81	21.9	3		
15	64QAM	36	20	20.76	20.76	20.77				
15	64QAM	36	39	20.77	20.70	20.69				
15	64QAM	36	75	20.70	20.68	20.75				
Channel				26740	26855	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8160	8315	844				
10	QPSK	1	0	23.38	23.37	23.46	24.9	0		
10	QPSK	1	25	23.59	23.79	23.66				
10	QPSK	1	49	23.48	23.59	23.57				
10	QPSK	25	0	22.66	22.73	22.64	23.9	1		
10	QPSK	25	12	22.74	22.55	22.74				
10	QPSK	25	25	22.73	22.56	22.55				
10	QPSK	50	0	22.57	22.69	22.65	23.9	1		
10	16QAM	1	0	22.81	22.80	22.72	23.9	1		
10	16QAM	1	25	22.82	23.03	22.98				
10	16QAM	1	49	22.69	22.77	22.74				
10	16QAM	25	0	21.49	21.46	21.60	22.9	2		
10	16QAM	25	12	21.50	21.61	21.70				
10	16QAM	25	25	21.59	21.55	21.66				
10	16QAM	50	0	21.64	21.61	21.72				
10	64QAM	1	0	21.69	21.52	21.61	22.9	2		
10	64QAM	1	25	21.81	21.82	21.68				
10	64QAM	1	49	21.60	21.65	21.73				
10	64QAM	25	0	20.58	20.64	20.64	21.9	3		
10	64QAM	25	12	20.58	20.64	20.60				
10	64QAM	25	25	20.73	20.60	20.52				
10	64QAM	50	0	20.68	20.52	20.75				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8165	8315	846.5				
5	QPSK	1	0	23.45	23.41	23.51	24.9	0		
5	QPSK	1	12	23.63	23.86	23.83				
5	QPSK	1	24	23.58	23.56	23.58				
5	QPSK	12	0	22.72	22.75	22.76	23.9	1		
5	QPSK	12	7	22.70	22.64	22.67				
5	QPSK	12	13	22.69	22.54	22.52				
5	QPSK	25	0	22.61	22.73	22.61	23.9	1		
5	16QAM	1	0	22.63	22.66	22.74				
5	16QAM	1	12	22.88	22.97	22.92	23.9	1		
5	16QAM	1	24	22.79	22.72	22.84				
5	16QAM	12	0	21.57	21.54	21.66	22.9	2		
5	16QAM	12	7	21.51	21.50	21.68				
5	16QAM	12	13	21.73	21.51	21.30				
5	16QAM	25	0	21.59	21.62	21.64	21.9	3		
5	64QAM	1	0	21.69	21.63	21.71				
5	64QAM	1	12	21.84	21.81	21.85				
5	64QAM	1	24	21.73	21.72	21.62				
5	64QAM	12	0	20.62	20.53	20.66				
5	64QAM	12	7	20.68	20.68	20.64				
5	64QAM	12	13	20.64	20.70	20.61				
5	64QAM	25	0	20.59	20.60	20.75				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8155	8315	847.5				
3	QPSK	1	0	23.48	23.44	23.63	24.9	0		
3	QPSK	1	8	23.57	23.74	23.68				
3	QPSK	1	14	23.46	23.58	23.62				
3	QPSK	8	0	22.72	22.77	22.59	23.9	1		
3	QPSK	8	4	22.55	22.51	22.62				
3	QPSK	8	7	22.65	22.52	22.55				
3	QPSK	15	0	22.67	22.68	22.65	23.9	1		
3	16QAM	1	0	22.69	22.82	22.84	23.9	1		
3	16QAM	1	8	22.81	22.81	22.92				
3	16QAM	1	14	22.63	22.75	22.82				
3	16QAM	8	0	21.48	21.49	21.70	22.9	2		
3	16QAM	8	4	21.55	21.63	21.64				
3	16QAM	8	7	21.61	21.55	21.59				
3	16QAM	15	0	21.53	21.50	21.73	22.9	2		
3	64QAM	1	0	21.64	21.62	21.67	22.9	2		
3	64QAM	1	8	21.87	21.86	21.85				
3	64QAM	1	14	21.71	21.65	21.69				
3	64QAM	8	0	20.68	20.61	20.72	21.9	3		
3	64QAM	8	4	20.65	20.66	20.62				
3	64QAM	8	7	20.61	20.57	20.57				
3	64QAM	15	0	20.66	20.61	20.73				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8147	8315	848.3				
1.4	QPSK	1	0	23.70	23.66	23.69	24.9	0		
1.4	QPSK	1	3	23.75	23.79	23.73				
1.4	QPSK	1	5	23.72	23.65	23.65				
1.4	QPSK	3	0	23.57	23.48	23.60	23.9	1		
1.4	QPSK	3	1	23.65	23.77	23.71				
1.4	QPSK	3	3	23.61	23.47	23.36				
1.4	QPSK	6	0	22.64	22.71	22.69	23.9	1		
1.4	16QAM	1	0	22.79	22.83	22.80				
1.4	16QAM	1	3	22.99	23.02	22.93	23.9	1		
1.4	16QAM	1	5	22.87	22.85	22.90				
1.4	16QAM	3	0	22.79	22.76	22.74				
1.4	16QAM	3	1	22.90	22.86	22.92				
1.4	16QAM	3	3	22.71	22.79	22.82	22.9	2		
1.4	16QAM	6	0	21.60	21.61	21.66				
1.4	64QAM	1	0	21.66	21.69	21.64	22.9	2		
1.4	64QAM	1	3	21.83	21.75	21.75				
1.4	64QAM	1	5	21.74	21.65	21.67				
1.4	64QAM	3	0	21.63	21.62	21.63	21.9	3		
1.4	64QAM	3	1	21.68	21.56	21.57				
1.4	64QAM	3	3	21.74	21.49	21.60				
1.4	64QAM	6	0	20.59	20.57	20.63	21.9	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				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.59	23.57	23.60	24.5	0		
20	QPSK	1	49	23.82	23.88	23.90				
20	QPSK	1	99	23.57	23.60	23.61				
20	QPSK	50	0	22.81	22.99	22.92	23.5	1		
20	QPSK	50	24	22.82	22.74	22.85				
20	QPSK	50	50	22.64	22.64	22.71				
20	QPSK	100	0	22.71	22.82	22.81	23.5	1		
20	16QAM	1	0	22.84	22.87	22.83	23.5	1		
20	16QAM	1	49	23.07	22.98	23.03				
20	16QAM	1	99	22.71	22.64	22.71				
20	16QAM	50	0	21.76	21.69	21.89	22.5	2		
20	16QAM	50	24	21.71	21.70	21.83				
20	16QAM	50	50	21.61	21.62	21.70				
20	16QAM	100	0	21.88	21.82	21.78	22.5	2		
20	64QAM	1	0	21.72	21.78	21.79	22.5	2		
20	64QAM	1	49	21.90	21.91	21.93				



Band 38_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.56	23.47	23.50	24.5	0		
20	QPSK	1	49	23.71	23.73	23.71				
20	QPSK	1	99	23.69	23.64	23.65				
20	QPSK	50	0	22.70	22.77	22.73				
20	16QAM	50	24	22.85	22.76	22.83	23.5	1		
20	QPSK	50	50	22.83	22.82	22.86				
20	QPSK	100	0	22.70	22.72	22.64				
20	16QAM	1	0	22.62	22.59	22.55	23.5	1		
20	16QAM	1	49	22.76	22.77	22.79				
20	16QAM	1	99	22.70	22.73	22.74				
20	16QAM	50	0	21.66	21.63	21.61				
20	16QAM	50	24	21.71	21.73	21.73	22.5	2		
20	16QAM	50	50	21.74	21.74	21.75				
20	16QAM	100	0	21.82	21.78	21.76				
20	64QAM	1	0	21.36	21.32	21.31				
20	64QAM	1	49	21.50	21.47	21.52	22.5	2		
20	64QAM	1	99	21.44	21.45	21.45				
20	64QAM	50	0	20.72	20.62	20.62				
20	64QAM	50	24	20.75	20.76	20.78	21.5	3		
20	64QAM	50	50	20.73	20.77	20.75				
20	64QAM	100	0	20.83	20.82	20.77				
Channel				37625	38000	38175				
Frequency (MHz)				25725	25900	26125				
15	QPSK	1	0	23.39	23.36	23.43	24.5	0		
15	QPSK	1	37	23.54	23.70	23.69				
15	QPSK	1	74	23.52	23.45	23.53				
15	QPSK	36	0	22.57	22.68	22.57				
15	QPSK	36	20	22.54	22.65	22.59	23.5	1		
15	QPSK	36	39	22.50	22.49	22.51				
15	QPSK	75	0	22.61	22.67	22.49				
15	16QAM	1	0	22.53	22.50	22.55	23.5	1		
15	16QAM	1	37	22.84	22.83	22.77				
15	16QAM	1	74	22.53	22.67	22.72				
15	16QAM	36	0	21.66	21.44	21.52	22.5	2		
15	16QAM	36	20	21.63	21.65	21.72				
15	16QAM	36	39	21.70	21.55	21.55				
15	16QAM	75	0	21.79	21.62	21.74				
15	64QAM	1	0	21.36	21.32	21.13	22.5	2		
15	64QAM	1	37	21.39	21.40	21.52				
15	64QAM	1	74	21.28	21.26	21.43				
15	64QAM	36	0	20.69	20.60	20.45	21.5	3		
15	64QAM	36	20	20.74	20.64	20.72				
15	64QAM	36	39	20.73	20.73	20.63				
15	64QAM	75	0	20.82	20.75	20.61				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.41	23.40	23.49	24.5	0		
10	QPSK	1	25	23.58	23.62	23.53				
10	QPSK	1	49	23.62	23.55	23.55				
10	QPSK	25	0	22.57	22.69	22.60				
10	QPSK	25	12	22.61	22.56	22.52	23.5	1		
10	QPSK	25	25	22.62	22.48	22.66				
10	QPSK	50	0	22.56	22.56	22.61				
10	16QAM	1	0	22.52	22.44	22.47				
10	16QAM	1	25	22.64	22.66	22.74	23.5	1		
10	16QAM	1	49	22.61	22.73	22.68				
10	16QAM	25	0	21.56	21.60	21.45	22.5	2		
10	16QAM	25	12	21.60	21.67	21.64				
10	16QAM	25	25	21.70	21.71	21.83				
10	16QAM	50	0	21.79	21.66	21.69				
10	64QAM	1	0	21.19	21.25	21.29	22.5	2		
10	64QAM	1	25	21.47	21.46	21.44				
10	64QAM	1	49	21.29	21.41	21.36				
10	64QAM	25	0	20.55	20.54	20.59				
10	64QAM	25	12	20.73	20.58	20.72	21.5	3		
10	64QAM	25	25	20.70	20.58	20.72				
10	64QAM	50	0	20.75	20.78	20.72				
Channel				37175	38000	38225				
Frequency (MHz)				25925	2595	26175				
5	QPSK	1	0	23.48	23.36	23.36	24.5	0		
5	QPSK	1	12	23.54	23.59	23.57				
5	QPSK	1	24	23.63	23.51	23.51				
5	QPSK	12	0	22.64	22.76	22.69				
5	QPSK	12	7	22.52	22.69	22.70	23.5	1		
5	QPSK	12	13	22.48	22.51	22.54				
5	QPSK	25	0	22.65	22.60	22.60				
5	16QAM	1	0	22.55	22.57	22.43	23.5	1		
5	16QAM	1	12	22.75	22.75	22.78				
5	16QAM	1	24	22.67	22.56	22.59				
5	16QAM	12	0	21.57	21.59	21.57	22.5	2		
5	16QAM	12	7	21.66	21.59	21.55				
5	16QAM	12	13	21.56	21.71	21.70				
5	16QAM	25	0	21.76	21.64	21.71				
5	64QAM	1	0	21.28	21.28	21.23	22.5	2		
5	64QAM	1	12	21.50	21.43	21.46				
5	64QAM	1	24	21.38	21.36	21.30				
5	64QAM	12	0	20.69	20.57	20.46	21.5	3		
5	64QAM	12	7	20.61	20.61	20.69				
5	64QAM	12	13	20.71	20.74	20.70				
5	64QAM	25	0	20.69	20.79	20.69				

Band 38_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.10	23.14	23.13	24.2	0		
20	QPSK	1	49	23.25	23.33	23.32				
20	QPSK	1	99	23.17	23.20	23.15				
20	QPSK	50	0	22.15	22.20	22.17				
20	QPSK	50	24	22.14	22.05	22.16	23.2	1		
20	QPSK	50	50	22.11	22.01	22.10				
20	QPSK	100	0	22.27	22.28	22.20				
20	16QAM	1	0	22.20	22.20	22.15				
20	16QAM	1	49	22.39	22.21	22.41	23.2	1		
20	16QAM	1	99	22.25	22.13	22.09				
20	16QAM	50	0	21.22	21.03	21.26				
20	16QAM	50	24	21.26	21.13	21.26	22.2	2		
20	16QAM	50	50	21.27	21.16	21.26				
20	16QAM	100	0	21.28	21.10	21.22				
20	64QAM	1	0	20.93	20.88	20.76	22.2	2		
20	64QAM	1	49	21.03	21.02	21.00				
20	64QAM	1	99	20.89	20.74	20.76				
20	64QAM	50	0	20.25	20.13	20.20	21.2	3		
20	64QAM	50	24	20.25	20.12	20.22				
20	64QAM	50	50	20.24	20.14	20.28				
20	64QAM	100	0	20.29	20.07	20.20				
Channel				37625	38000	38175				
Frequency (MHz)				25725	2595	26175				
15	QPSK	1	0	23.07	23.00	23.07	24.2	0		
15	QPSK	1	37	23.21	23.19	23.24				
15	QPSK	1	74	23.16	23.01	23.05				
15	QPSK	36	0	22.05	22.07	22.10				
15	QPSK	36	20	22.13	21.94	21.97	23.2	1		
15	QPSK	36	39	22.11	21.82	22.00				
15	QPSK	75	0	22.11	22.20	22.11				
15	16QAM	1	0	22.09	22.08	22.10	23.2	1		
15	16QAM	1	37	22.36	22.17	22.39				
15	16QAM	1	74	22.12	22.00	21.95				
15	16QAM	36	0	21.12	20.94	21.28	22.2	2		
15	16QAM	36	20	21.23	20.98	21.19				
15	16QAM	36	39	21.22	21.15	21.08				
15	16QAM	75	0	21.12	21.05	21.07				
15	64QAM	1	0	20.92	20.70	20.65	22.2	2		
15	64QAM	1	37	20.88	20.96	20.84				
15	64QAM	1	74	20.76	20.58	20.73				
15	64QAM	36	0	20.06	20.04	20.18	21.2	3		
15	64QAM	36	20	20.23	19.97	20.06				
15	64QAM	36	39	20.14	20.03					





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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	23.55	23.80	23.89	23.50	23.52	24.5	0
20	QPSK	1	49	23.73	23.65	23.74	23.69	23.70		
20	QPSK	1	99	23.65	23.62	23.66	23.58	23.60		
20	QPSK	50	0	22.67	22.66	22.70	22.62	22.69	23.5	1
20	QPSK	50	24	22.59	22.63	22.67	22.62	22.61		
20	QPSK	50	50	22.66	22.62	22.68	22.60	22.59		
20	QPSK	100	0	22.64	22.63	22.67	22.62	22.61	23.5	1
20	16QAM	1	0	22.64	22.69	22.63	22.64	22.65		
20	16QAM	1	49	23.09	23.09	22.98	23.03	22.97		
20	16QAM	1	99	22.70	22.71	22.65	22.66	22.60	22.5	2
20	16QAM	50	0	21.79	21.83	21.78	21.77	21.79		
20	16QAM	50	24	21.81	21.85	21.82	21.89	21.74		
20	16QAM	50	50	21.81	21.81	21.79	21.85	21.85	22.5	2
20	16QAM	100	0	21.84	21.78	21.78	21.78	21.71		
20	64QAM	1	0	21.37	21.41	21.33	21.34	21.35		
20	64QAM	1	49	21.75	21.78	21.70	21.77	21.72	22.5	2
20	64QAM	1	99	21.41	21.41	21.38	21.39	21.33		
20	64QAM	50	0	20.83	20.86	20.79	20.78	20.78		
20	64QAM	50	24	20.87	20.89	20.87	20.84	20.82	21.5	3
20	64QAM	50	50	20.83	20.82	20.83	20.87	20.76		
20	64QAM	100	0	20.20	20.63	20.77	20.78	20.73		
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545.5	2569.9	2595	2621.3	2647.5		
15	QPSK	1	0	23.63	23.60	23.67	23.37	23.42	24.5	0
15	QPSK	1	37	23.66	23.60	23.62	23.64	23.69		
15	QPSK	1	74	23.63	23.60	23.50	23.56	23.51		
15	QPSK	36	0	22.49	22.53	22.64	22.45	22.59	23.5	1
15	QPSK	36	20	22.56	22.49	22.66	22.48	22.59		
15	QPSK	36	39	22.61	22.46	22.58	22.50	22.55		
15	QPSK	75	0	22.56	22.49	22.65	22.48	22.60	23.5	1
15	16QAM	1	0	22.45	22.59	22.62	22.61	22.64		
15	16QAM	1	37	23.03	22.96	22.90	22.97	22.98		
15	16QAM	1	74	22.55	22.62	22.49	22.61	22.49	22.5	2
15	16QAM	36	0	21.72	21.79	21.74	21.85	21.78		
15	16QAM	36	20	21.79	21.85	21.76	21.78	21.67		
15	16QAM	36	39	21.66	21.67	21.66	21.85	21.57	22.5	2
15	16QAM	75	0	21.73	21.59	21.72	21.71	21.59		
15	64QAM	1	0	21.32	21.26	21.23	21.27	21.35		
15	64QAM	1	37	21.61	21.65	21.56	21.66	21.61	22.5	2
15	64QAM	1	74	21.24	21.25	21.27	21.22	21.31		
15	64QAM	36	0	20.61	20.63	20.76	20.68	20.69		
15	64QAM	36	20	20.82	20.73	20.73	20.70	20.79	21.5	3
15	64QAM	36	39	20.64	20.73	20.69	20.82	20.61		
15	64QAM	75	0	20.72	20.71	20.75	20.73	20.55		
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	23.42	23.46	23.67	23.50	23.44	24.5	0
10	QPSK	1	25	23.70	23.61	23.72	23.58	23.88		
10	QPSK	1	49	23.47	23.57	23.50	23.45	23.55		
10	QPSK	25	0	22.56	22.65	22.52	22.44	22.61	23.5	1
10	QPSK	25	12	22.51	22.43	22.51	22.46	22.54		
10	QPSK	25	25	22.55	22.43	22.63	22.56	22.40		
10	QPSK	50	0	22.58	22.50	22.65	22.62	22.57	23.5	1
10	16QAM	1	0	22.53	22.67	22.53	22.54	22.56		
10	16QAM	1	25	23.06	22.95	22.82	23.01	22.84		
10	16QAM	1	49	22.60	22.55	22.56	22.51	22.56	22.5	2
10	16QAM	25	0	21.70	21.73	21.60	21.72	21.76		
10	16QAM	25	12	21.66	21.75	21.77	21.85	21.60		
10	16QAM	25	25	21.66	21.65	21.74	21.70	21.53	22.5	2
10	16QAM	50	0	21.80	21.80	21.78	21.75	21.57		
10	64QAM	1	0	21.25	21.24	21.19	21.29	21.16		
10	64QAM	1	25	21.65	21.70	21.63	21.62	21.71	22.5	2
10	64QAM	1	49	21.32	21.38	21.31	21.35	21.18		
10	64QAM	25	0	20.82	20.82	20.66	20.64	20.63		
10	64QAM	25	12	20.79	20.72	20.76	20.71	20.64	21.5	3
10	64QAM	25	25	20.73	20.66	20.82	20.70	20.57		
10	64QAM	50	0	20.65	20.69	20.61	20.60	20.72		
Channel				40065	40333	40600	40863	41125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2349	2367.3	2395	2422.99	2451.5		
5	QPSK	1	0	23.49	23.47	23.52	23.42	23.42	24.5	0
5	QPSK	1	12	23.58	23.55	23.66	23.54	23.68		
5	QPSK	1	24	23.62	23.62	23.59	23.47	23.46		
5	QPSK	12	0	22.61	22.59	22.54	22.52	22.50	23.5	1
5	QPSK	12	7	22.55	22.45	22.59	22.45	22.63		
5	QPSK	12	13	22.59	22.48	22.50	22.58	22.47		
5	QPSK	25	0	22.56	22.62	22.48	22.48	22.56	23.5	1
5	16QAM	1	0	22.61	22.67	22.58	22.62	22.60		
5	16QAM	1	12	22.98	22.91	22.96	23.02	22.88		
5	16QAM	1	24	22.65	22.63	22.48	22.63	22.57	22.5	2
5	16QAM	12	0	21.79	21.81	21.76	21.89	21.78		
5	16QAM	12	7	21.72	21.73	21.63	21.76	21.61		
5	16QAM	12	13	21.75	21.72	21.69	21.68	21.60	22.5	2
5	16QAM	25	0	21.72	21.61	21.59	21.59	21.52		
5	64QAM	1	0	21.37	21.38	21.19	21.28	21.18		
5	64QAM	1	12	21.71	21.63	21.66	21.64	21.71	22.5	2
5	64QAM	1	24	21.34	21.35	21.24	21.22	21.32		
5	64QAM	12	0	20.66	20.73	20.67	20.64	20.77		
5	64QAM	12	7	20.77	20.84	20.85	20.75	20.82	21.5	3
5	64QAM	12	13	20.67	20.69	20.75	20.76	20.76		
5	64QAM	25	0	20.77	20.69	20.64	20.63	20.67		

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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	23.20	23.23	23.20	23.28	23.21	24.2	0
20	QPSK	1	49	23.33	23.35	23.40	23.39	23.32		
20	QPSK	1	99	23.23	23.26	23.29	23.22	23.19		
20	QPSK	50	0	22.25	22.25	22.30	22.26	22.22	23.2	1
20	QPSK	50	24	22.10	22.02	22.10	22.07	22.05		
20	QPSK	50	50	22.08	22.24	22.18	22.24	22.00		
20	QPSK	100	0	22.24	22.30	22.25	22.27	22.22	23.2	1
20	16QAM	1	0	22.21	22.26	22.27	22.25	22.22		
20	16QAM	1	49	22.44	22.50	22.42	22.40	22.38		
20	16QAM	1	99	22.23	22.35	22.25	22.39	22.20	22.2	2
20	16QAM	50	0	21.20	21.33	21.18	21.34	21.26		
20	16QAM	50	24	21.19	21.44	21.22	21.43	21.32		
20	16QAM	50	50	21.18	21.46	21.20	21.45	21.20	22.2	2
20	16QAM	100	0	21.20	21.47	21.30	21.48	21.21		
20	64QAM	1	0	21.00	20.95	21.02	21.05	20.94		
20	64QAM	1	49	21.16	21.15	21.18	21.20	21.15	22.2	2
20	64QAM	1	99	20.99	21.11	20.93	21.02	20.98		
20	64QAM	50	0	20.30	20.23	20.20	20.21	20.30		
20	64QAM	50	24	20.26	20.30	20.25	20.22	20.28	21.2	3
20	64QAM	50	50	20.18	20.24	20.30	20.29	20.20		
20	64QAM	100	0	20.22	20.46	20.23	20.48	20.24		
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545.5	2569.9	2595	2621.3	2647.5		
15	QPSK	1	0	23.12	23.06	23.11	23.14	23.13	24.2	0
15	QPSK	1	37							



### Reduced Power Mode for DS16

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	624.2	636.4	648.8	624.2	636.4	648.8	624.2	636.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.04	32.10	32.02	<b>33.50</b>	23.04	23.10	23.02	<b>24.50</b>
GPRS 1 Tx slot	32.07	32.12	32.05	<b>33.50</b>	23.07	23.12	23.05	<b>24.50</b>
GPRS 2 Tx slots	30.56	30.62	30.57	<b>31.50</b>	24.56	24.62	24.57	<b>25.50</b>
GPRS 3 Tx slots	28.96	29.02	28.96	<b>29.50</b>	24.30	24.36	24.30	<b>25.24</b>
GPRS 4 Tx slots	27.00	27.05	26.98	<b>28.00</b>	24.00	24.05	23.98	<b>25.00</b>
EDGE(GMSK) 1 Tx slot	31.89	31.98	31.90	<b>33.50</b>	22.89	22.98	22.90	<b>24.50</b>
EDGE(GMSK) 2 Tx slots	30.52	30.56	30.44	<b>31.50</b>	24.52	24.56	24.44	<b>25.50</b>
EDGE(GMSK) 3 Tx slots	28.46	28.57	28.40	<b>29.50</b>	24.20	24.31	24.14	<b>25.24</b>
EDGE(GMSK) 4 Tx slots	27.00	26.91	26.96	<b>28.00</b>	24.00	23.91	23.96	<b>25.00</b>
EDGE(BPSK) 1 Tx slot	26.72	26.82	26.81	<b>28.00</b>	17.72	17.82	17.81	<b>19.00</b>
EDGE(BPSK) 2 Tx slots	24.73	25.04	25.04	<b>26.00</b>	18.73	19.04	19.04	<b>20.00</b>
EDGE(BPSK) 3 Tx slots	23.22	23.49	23.48	<b>24.00</b>	18.98	19.23	19.22	<b>19.74</b>
EDGE(BPSK) 4 Tx slots	22.01	22.00	22.03	<b>22.50</b>	19.01	19.00	19.03	<b>19.50</b>

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1550.2	1680	1909.8	1550.2	1680	1909.8	1550.2	1680
Frequency (MHz)	1850.2	1980	2209.8	1850.2	1980	2209.8	1850.2	1980
GSM 1 Tx slot	26.55	26.60	26.55	<b>27.50</b>	17.55	17.60	17.55	<b>18.50</b>
GPRS 1 Tx slot	26.61	26.62	26.57	<b>27.50</b>	17.61	17.62	17.57	<b>18.50</b>
GPRS 2 Tx slots	25.09	25.11	25.02	<b>26.80</b>	19.09	19.11	19.02	<b>19.80</b>
GPRS 3 Tx slots	23.10	23.15	23.08	<b>23.80</b>	18.10	18.15	18.02	<b>19.54</b>
GPRS 4 Tx slots	21.54	21.64	21.50	<b>22.30</b>	18.54	18.64	18.50	<b>19.30</b>
EDGE(GMSK) 1 Tx slot	26.31	26.45	26.51	<b>27.50</b>	17.31	17.45	17.51	<b>18.50</b>
EDGE(GMSK) 2 Tx slots	24.63	24.86	24.79	<b>25.80</b>	18.83	18.86	18.79	<b>19.80</b>
EDGE(GMSK) 3 Tx slots	22.86	22.94	22.77	<b>23.80</b>	18.40	18.68	18.51	<b>19.54</b>
EDGE(GMSK) 4 Tx slots	21.19	21.29	21.32	<b>22.30</b>	18.19	18.29	18.32	<b>19.30</b>
EDGE(BPSK) 1 Tx slot	26.54	26.55	26.54	<b>27.00</b>	17.54	17.55	17.54	<b>18.00</b>
EDGE(BPSK) 2 Tx slots	24.64	24.60	24.55	<b>25.00</b>	18.64	18.60	18.55	<b>19.00</b>
EDGE(BPSK) 3 Tx slots	22.53	22.58	22.41	<b>23.00</b>	18.27	18.32	18.15	<b>18.74</b>
EDGE(BPSK) 4 Tx slots	21.01	21.03	21.01	<b>21.50</b>	18.01	18.03	18.01	<b>18.50</b>

Band	TX Channel	WCDMA II_Ant 13			Tune-up Limit (dBm)	WCDMA II_Ant 31			Tune-up Limit (dBm)
		5262	9400	9533		5262	9400	9533	
3GPP Rel 99	AMR 12.2Kbps	17.59	17.61	17.57	18.50	19.30	19.22	19.18	20.30
3GPP Rel 99	RMC 12.2Kbps	17.66	17.70	17.62	18.50	19.33	19.35	19.30	20.30
3GPP Rel 6	HSDPA Subtest-1	16.50	16.59	16.52	17.50	18.22	18.40	18.27	19.30
3GPP Rel 6	HSDPA Subtest-2	16.45	16.49	16.57	17.50	18.14	18.17	18.18	19.30
3GPP Rel 6	HSDPA Subtest-3	16.04	16.03	16.12	17.60	17.58	17.71	17.77	18.80
3GPP Rel 6	HSDPA Subtest-4	16.04	16.07	16.00	17.00	17.68	17.62	17.61	18.80
3GPP Rel 6	DC-HSDPA Subtest-1	16.46	16.64	16.72	17.50	18.56	18.68	18.63	19.30
3GPP Rel 6	DC-HSDPA Subtest-2	16.52	16.63	16.58	17.50	18.62	18.57	18.47	19.30
3GPP Rel 6	DC-HSDPA Subtest-3	16.00	16.00	16.22	17.00	17.93	18.10	18.07	18.80
3GPP Rel 6	DC-HSDPA Subtest-4	16.84	16.12	16.17	17.00	17.97	17.94	18.04	18.80
3GPP Rel 6	HSUPA Subtest-1	15.59	15.66	15.56	16.30	17.21	17.28	17.23	18.10
3GPP Rel 6	HSUPA Subtest-2	15.64	15.59	15.53	16.30	17.22	17.36	17.20	18.10
3GPP Rel 6	HSUPA Subtest-3	16.51	16.60	16.53	17.30	18.36	18.34	18.30	19.10
3GPP Rel 6	HSUPA Subtest-4	15.12	15.27	15.18	15.80	16.81	16.91	16.94	17.60
3GPP Rel 6	HSUPA Subtest-5	16.43	16.52	16.52	17.30	18.07	18.26	18.34	19.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.08	15.15	15.19	16.30	16.83	16.91	16.90	18.10

Band	TX Channel	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
		4132	4182	4233		4132	4182	4233	
3GPP Rel 99	AMR 12.2Kbps	23.78	23.77	23.75	25.00	23.53	23.54	23.51	24.90
3GPP Rel 99	RMC 12.2Kbps	23.78	23.83	23.82	25.00	23.55	23.60	23.52	24.90
3GPP Rel 6	HSDPA Subtest-1	22.91	22.89	22.88	24.00	22.57	22.57	22.66	23.90
3GPP Rel 6	HSDPA Subtest-2	22.78	22.94	22.66	24.00	22.54	22.53	22.49	23.90
3GPP Rel 6	HSDPA Subtest-3	22.37	22.53	22.15	23.50	22.12	22.03	22.06	23.40
3GPP Rel 6	HSDPA Subtest-4	22.29	22.47	22.28	23.50	22.10	22.02	22.06	23.40
3GPP Rel 6	DC-HSDPA Subtest-1	22.99	23.01	23.00	24.00	22.62	22.68	22.66	23.90
3GPP Rel 6	DC-HSDPA Subtest-2	22.96	22.96	22.97	24.00	22.60	22.63	22.63	23.90
3GPP Rel 6	DC-HSDPA Subtest-3	22.41	22.48	22.45	23.50	22.08	22.13	22.10	23.40
3GPP Rel 6	DC-HSDPA Subtest-4	22.38	22.45	22.41	23.50	22.04	22.09	22.07	23.40
3GPP Rel 6	HSUPA Subtest-1	21.87	21.91	21.85	22.80	21.63	21.71	21.65	22.70
3GPP Rel 6	HSUPA Subtest-2	21.80	21.85	21.83	22.80	21.55	21.66	21.81	22.70
3GPP Rel 6	HSUPA Subtest-3	22.62	22.69	22.90	23.80	22.31	22.65	22.64	23.70
3GPP Rel 6	HSUPA Subtest-4	21.40	21.38	21.35	22.30	21.08	21.16	21.13	22.20
3GPP Rel 6	HSUPA Subtest-5	22.88	22.90	22.84	23.80	22.49	22.50	22.50	23.70
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.32	21.30	21.29	22.80	20.99	21.06	21.03	22.70

GSM850_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	624.2	636.4	648.8	624.2	636.4	648.8	624.2	636.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.15	32.17	32.01	<b>33.40</b>	23.15	23.17	23.01	<b>24.40</b>
GPRS 1 Tx slot	32.16	32.20	32.05	<b>33.40</b>	23.16	23.20	23.05	<b>24.40</b>
GPRS 2 Tx slots	30.67	30.69	30.79	<b>31.40</b>	24.67	24.69	24.79	<b>25.40</b>
GPRS 3 Tx slots	28.67	28.70	28.96	<b>29.40</b>	24.41	24.44	24.30	<b>25.14</b>
GPRS 4 Tx slots	27.09	27.13	27.01	<b>27.90</b>	24.09	24.13	24.01	<b>24.90</b>
EDGE(GMSK) 1 Tx slot	32.16	32.15	31.92	<b>33.40</b>	23.16	23.15	23.01	<b>24.40</b>
EDGE(GMSK) 2 Tx slots	30.99	31.01	30.93	<b>31.40</b>	24.99	25.01	24.93	<b>25.40</b>
EDGE(GMSK) 3 Tx slots	28.50	28.70	28.46	<b>29.40</b>	24.24	24.44	24.20	<b>25.14</b>
EDGE(GMSK) 4 Tx slots	27.16	27.18	27.06	<b>27.90</b>	24.16	24.18	24.06	<b>24.90</b>
EDGE(BPSK) 1 Tx slot	27.12	27.38	27.36	<b>27.90</b>	18.12	18.38	18.36	<b>19.90</b>
EDGE(BPSK) 2 Tx slots	25.40	25.42	25.38	<b>25.90</b>	19.40	19.42	19.38	<b>19.90</b>
EDGE(BPSK) 3 Tx slots	23.40	23.33	23.38	<b>23.90</b>	19.14	19.07	19.12	<b>19.64</b>
EDGE(BPSK) 4 Tx slots	22.10	22.04	21.06	<b>22.40</b>	18.90	18.84	18.86	<b>19.40</b>

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1550.2	1680	1909.8	1550.2	1680	1909.8	1550.2	1680
Frequency (MHz)	1850.2	1980	2209.8	1850.2	1980	2209.8	1850.2	1980
GSM 1 Tx slot	28.12	28.23	28.12	<b>29.30</b>	19.12	19.23	19.12	<b>20.30</b>
GPRS 1 Tx slot	28.07	28.27	28.24	<b>29.30</b>	19.07	19.27	19.24	<b>20.30</b>
GPRS 2 Tx slots	26.54	26.63	26.64	<b>27.30</b>	20.54	20.63	20.64	<b>21.30</b>
GPRS 3 Tx slots	24.49	24.61	24.66	<b>25.30</b>	20.23	20.35	20.40	<b>21.04</b>
GPRS 4 Tx slots	22.92	23.23	23.08	<b>23.90</b>	19.92	20.23	20.08	<b>20.80</b>
EDGE(GMSK) 1 Tx slot	27.96	28.11	27.97	<b>29.30</b>	18.96	19.11	18.97	<b>20.30</b>
EDGE(GMSK) 2 Tx slots	26.37	26.51	26.18	<b>27.30</b>	20.37	20.51	20.18	<b>21.30</b>
EDGE(GMSK) 3 Tx slots	24.52	24.63	24.30	<b>25.30</b>	20.26	20.37	20.04	<b>21.04</b>
EDGE(GMSK) 4 Tx slots	22.91	23.01	22.69	<b>23.80</b>	19.91	20.01	19.69	<b>20.80</b>
EDGE(BPSK) 1 Tx slot	25.76	25.74	25.69	<b>26.80</b>	16.76	16.74	16.69	<b>17.80</b>
EDGE(BPSK) 2 Tx slots	23.88	23.73	23.64	<b>24.80</b>	17.88	17.73	17.64	<b>18.80</b>
EDGE(BPSK) 3 Tx slots	21.79	21.84	21.73	<b>22.80</b>	17.53	17.58	17.47	<b>18.54</b>
EDGE(BPSK) 4 Tx slots	20.18	20.06	20.01	<b>21.30</b>	17.18	17.06	17.01	<b>18.10</b>

Band	TX Channel	WCDMA IV_Ant 13			Tune-up Limit (dBm)	WCDMA IV_Ant 31			Tune-up Limit (dBm)
		1312	1413	1513		1312	1413	1513	
3GPP Rel 99	AMR 12.2Kbps	18.58	18.65	18.71	19.50	19.43			



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				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	17.49	17.70	17.50	18.5	0		
20	QPSK	1	49	17.58	17.72	17.66				
20	QPSK	1	99	17.59	17.54	17.54				
20	QPSK	50	0	17.55	17.69	17.56	18.5	0		
20	QPSK	50	24	17.52	17.64	17.56				
20	QPSK	50	50	17.60	17.67	17.55				
20	QPSK	100	0	17.59	17.66	17.64	18.5	0		
20	16QAM	1	0	17.60	17.59	17.50				
20	16QAM	1	49	17.62	17.67	17.58				
20	16QAM	1	99	17.61	17.53	17.49	18.5	0		
20	16QAM	50	0	17.62	17.66	17.55				
20	16QAM	50	24	17.53	17.63	17.61				
20	16QAM	50	50	17.56	17.54	17.50	18.5	0		
20	16QAM	100	0	17.64	17.69	17.56				
20	64QAM	1	0	17.57	17.62	17.56				
20	64QAM	1	49	17.49	17.56	17.50	18.5	0		
20	64QAM	1	99	17.58	17.56	17.47				
20	64QAM	50	0	17.63	17.63	17.64				
20	64QAM	50	24	17.58	17.60	17.59	18.5	0		
20	64QAM	50	50	17.63	17.65	17.60				
20	64QAM	100	0	17.59	17.60	17.54				
Channel				18925	18900	19025				
Frequency (MHz)				18925	18900	19025				
15	QPSK	1	0	17.39	17.57	17.47	18.5	0		
15	QPSK	1	37	17.54	17.56	17.51				
15	QPSK	1	74	17.49	17.38	17.45				
15	QPSK	36	0	17.52	17.66	17.50	18.5	0		
15	QPSK	36	20	17.37	17.54	17.42				
15	QPSK	36	39	17.49	17.55	17.42				
15	QPSK	75	0	17.40	17.56	17.48	18.5	0		
15	16QAM	1	0	17.51	17.42	17.33				
15	16QAM	1	37	17.56	17.44	17.44				
15	16QAM	1	74	17.54	17.45	17.46	18.5	0		
15	16QAM	36	0	17.59	17.47	17.53				
15	16QAM	36	20	17.39	17.44	17.52				
15	16QAM	36	39	17.58	17.64	17.44	18.5	0		
15	16QAM	75	0	17.51	17.68	17.39				
15	64QAM	1	0	17.44	17.51	17.41				
15	64QAM	1	37	17.43	17.45	17.49	18.5	0		
15	64QAM	1	74	17.57	17.51	17.51				
15	64QAM	36	0	17.48	17.59	17.50				
15	64QAM	36	20	17.50	17.60	17.50	18.5	0		
15	64QAM	36	39	17.47	17.53	17.56				
15	64QAM	75	0	17.40	17.47	17.45				
Channel				18850	18900	19150				
Frequency (MHz)				18850	18900	19050				
10	QPSK	1	0	17.46	17.54	17.33	18.5	0		
10	QPSK	1	25	17.54	17.58	17.51				
10	QPSK	1	49	17.50	17.52	17.47				
10	QPSK	25	0	17.60	17.69	17.48	18.5	0		
10	QPSK	25	12	17.35	17.46	17.38				
10	QPSK	25	12	17.54	17.55	17.53				
10	QPSK	50	0	17.58	17.65	17.59	18.5	0		
10	16QAM	1	0	17.57	17.41	17.37				
10	16QAM	1	25	17.52	17.55	17.44				
10	16QAM	1	49	17.61	17.34	17.31	18.5	0		
10	16QAM	25	0	17.53	17.55	17.40				
10	16QAM	25	12	17.45	17.52	17.48				
10	16QAM	25	25	17.55	17.61	17.39	18.5	0		
10	16QAM	50	0	17.53	17.65	17.53				
10	64QAM	1	0	17.48	17.43	17.47				
10	64QAM	1	25	17.36	17.55	17.36	18.5	0		
10	64QAM	1	49	17.48	17.39	17.37				
10	64QAM	25	0	17.56	17.56	17.57				
10	64QAM	25	12	17.54	17.46	17.53	18.5	0		
10	64QAM	25	25	17.53	17.62	17.54				
10	64QAM	50	0	17.40	17.45	17.52				
Channel				18625	18900	19175				
Frequency (MHz)				18625	18900	19075				
5	QPSK	1	0	17.31	17.41	17.33	18.5	0		
5	QPSK	1	12	17.53	17.55	17.60				
5	QPSK	1	24	17.59	17.41	17.37				
5	QPSK	12	0	17.57	17.67	17.42	18.5	0		
5	QPSK	12	7	17.48	17.39	17.53				
5	QPSK	12	13	17.51	17.52	17.44				
5	QPSK	25	0	17.54	17.56	17.56	18.5	0		
5	16QAM	1	0	17.55	17.59	17.43				
5	16QAM	1	12	17.46	17.54	17.43				
5	16QAM	1	24	17.47	17.40	17.43	18.5	0		
5	16QAM	12	0	17.54	17.57	17.37				
5	16QAM	12	7	17.47	17.48	17.54				
5	16QAM	12	13	17.62	17.61	17.34	18.5	0		
5	16QAM	25	0	17.47	17.67	17.55				
5	64QAM	1	0	17.47	17.44	17.37				
5	64QAM	1	12	17.32	17.52	17.38	18.5	0		
5	64QAM	1	24	17.42	17.52	17.44				
5	64QAM	12	0	17.54	17.44	17.50				
5	64QAM	12	7	17.58	17.59	17.48	18.5	0		
5	64QAM	12	13	17.46	17.50	17.56				
5	64QAM	25	0	17.59	17.47	17.44				
Channel				18815	18900	19185				
Frequency (MHz)				18815	18900	19085				
3	QPSK	1	0	17.42	17.59	17.35	18.5	0		
3	QPSK	1	8	17.67	17.55	17.63				
3	QPSK	1	14	17.52	17.40	17.39				
3	QPSK	8	0	17.62	17.51	17.42	18.5	0		
3	QPSK	8	4	17.41	17.46	17.53				
3	QPSK	8	7	17.52	17.67	17.44				
3	QPSK	15	0	17.40	17.48	17.51	18.5	0		
3	16QAM	1	0	17.50	17.49	17.38				
3	16QAM	1	8	17.59	17.50	17.40				
3	16QAM	1	14	17.60	17.44	17.40	18.5	0		
3	16QAM	8	0	17.50	17.61	17.47				
3	16QAM	8	4	17.53	17.44	17.49				
3	16QAM	8	7	17.53	17.56	17.50	18.5	0		
3	16QAM	15	0	17.52	17.51	17.39				
3	64QAM	1	0	17.53	17.47	17.37				
3	64QAM	1	8	17.34	17.38	17.48	18.5	0		
3	64QAM	1	14	17.55	17.56	17.54				
3	64QAM	8	0	17.52	17.56	17.32				
3	64QAM	8	4	17.51	17.58	17.52	18.5	0		
3	64QAM	8	7	17.57	17.55	17.47				
3	64QAM	15	0	17.53	17.47	17.45				
Channel				18607	18900	19193				
Frequency (MHz)				18607	18900	19093				
1.4	QPSK	1	0	17.40	17.51	17.46	18.5	0		
1.4	QPSK	1	3	17.57	17.56	17.46				
1.4	QPSK	1	5	17.57	17.53	17.35				
1.4	QPSK	3	0	17.63	17.59	17.48	18.5	0		
1.4	QPSK	3	1	17.38	17.46	17.46				
1.4	QPSK	3	3	17.56	17.60	17.54				
1.4	QPSK	6	0	17.58	17.40	17.40	18.5	0		
1.4	16QAM	1	0	17.57	17.50	17.34				
1.4	16QAM	1	3	17.50	17.54	17.54				
1.4	16QAM	1	5	17.40	17.49	17.33	18.5	0		
1.4	16QAM	3	0	17.58	17.64	17.41				
1.4	16QAM	3	1	17.40	17.45	17.60				
1.4	16QAM	3	3	17.57	17.50	17.42	18.5	0		
1.4	16QAM	6	0	17.45	17.58	17.47				
1.4	16QAM	6	1	17.42	17.54	17.56				
1.4	64QAM	1	3	17.38	17.46	17.38	18.5	0		
1.4	64QAM	1	5	17.41	17.45	17.28				
1.4	64QAM	3	0	17.56	17.47	17.51				
1.4	64QAM	3	1	17.44	17.55	17.45	18.5	0		
1.4	64QAM	3	3	17.63	17.49	17.43				
1.4	64QAM	6	0	17.56	17.41	17.43				

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				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	19.29	19.23	19.15	20.3	0		
20	QPSK	1	49	19.35	19.37	19.32				
20	QPSK	1	99	19.20	19.33	19.28				
20	QPSK	50	0	19.25	19.33	19.23	20.3	0		
20	QPSK	50	24	19.19	19.19	19.15				
20	QPSK	50	50	19.21	19.26	19.20				
20	QPSK	100	0	19.18	19.25	19.13	20.3	0		
20	16QAM	1	0	19.16	19.09	19.00				
20	16QAM	1	49	19.35	19.34	19.27				
20	16QAM	1	99	19.02	19.22	19.11	20.3	0		
20	16QAM	50	0	19.25	19.29	19.11				
20	16QAM	50	24	19.09	19.25	19.01				
20	16QAM	50	50	19.19	19.19	19.11	20.3	0		
20	16QAM	100	0	19.05	19.13	19.01				
20	64QAM	1	0	19.12	19.20	19.15				
20	64QAM	1	49	19.24	19.26	19.16	20.3	0		
20	64QAM	1	99	19.11	19.14</					



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				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	19.26	19.41	19.25	20.3	0			
20	QPSK	1	49	19.34	19.44	19.43					
20	QPSK	1	99	19.27	19.35	19.37					
20	QPSK	50	0	19.35	19.40	19.30					
20	QPSK	50	24	19.33	19.36	19.24	20.3	0			
20	QPSK	50	50	19.21	19.29	19.25					
20	QPSK	100	0	19.31	19.38	19.37					
20	16QAM	1	0	19.20	19.35	19.10					
20	16QAM	1	49	19.24	19.28	19.25	20.3	0			
20	16QAM	1	99	19.18	19.30	19.21					
20	16QAM	50	0	19.32	19.25	19.29					
20	16QAM	50	24	19.25	19.27	19.23	20.3	0			
20	16QAM	50	50	19.13	19.13	19.09					
20	16QAM	100	0	19.19	19.27	19.29					
20	64QAM	1	0	19.20	19.31	19.22					
20	64QAM	1	49	19.15	19.40	19.31	20.3	0			
20	64QAM	1	99	19.23	19.22	19.23					
20	64QAM	50	0	19.29	19.35	19.13					
20	64QAM	50	24	19.18	19.25	19.22	20.3	0			
20	64QAM	50	50	19.17	19.19	19.22					
20	64QAM	100	0	19.29	19.19	19.23					
Channel				20050	20175	20300					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	19.13	19.34	19.19	20.3	0			
15	QPSK	1	37	19.20	19.36	19.28					
15	QPSK	1	74	19.09	19.22	19.36					
15	QPSK	36	0	19.23	19.22	19.11					
15	QPSK	36	20	19.26	19.30	19.12	20.3	0			
15	QPSK	36	39	19.07	19.19	19.15					
15	QPSK	75	0	19.23	19.23	19.29					
15	16QAM	1	0	19.12	19.26	19.05	20.3	0			
15	16QAM	1	37	19.21	19.36	19.24					
15	16QAM	1	74	19.07	19.20	19.14					
15	16QAM	36	0	19.30	19.07	19.21					
15	16QAM	36	20	19.12	19.20	19.22	20.3	0			
15	16QAM	36	39	19.12	19.07	19.05					
15	16QAM	75	0	19.15	19.18	19.19					
15	64QAM	1	0	19.10	19.13	19.14	20.3	0			
15	64QAM	1	37	19.02	19.42	19.25					
15	64QAM	1	74	19.09	19.16	19.10					
15	64QAM	36	0	19.23	19.31	19.20					
15	64QAM	36	20	19.11	19.19	19.09	20.3	0			
15	64QAM	36	39	19.07	19.19	19.06					
15	64QAM	75	0	19.14	19.17	19.07					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	19.23	19.33	19.22	20.3	0			
10	QPSK	1	25	19.30	19.28	19.27					
10	QPSK	1	49	19.25	19.22	19.33					
10	QPSK	25	0	19.30	19.33	19.24	20.3	0			
10	QPSK	25	12	19.21	19.30	19.24					
10	QPSK	25	25	19.19	19.19	19.15					
10	QPSK	50	0	19.17	19.27	19.22					
10	16QAM	1	0	19.01	19.22	19.04	20.3	0			
10	16QAM	1	25	19.15	19.20	19.13					
10	16QAM	1	49	19.10	19.11	19.18					
10	16QAM	25	0	19.26	19.20	19.29					
10	16QAM	25	12	19.13	19.16	19.18	20.3	0			
10	16QAM	25	25	19.09	19.07	19.05					
10	16QAM	50	0	19.24	19.26	19.23					
10	64QAM	1	0	19.11	19.16	19.15	20.3	0			
10	64QAM	1	25	19.09	19.44	19.21					
10	64QAM	1	49	19.14	19.05	19.14					
10	64QAM	25	0	19.18	19.22	19.02					
10	64QAM	25	12	19.10	19.24	19.04	20.3	0			
10	64QAM	25	25	19.16	19.17	19.12					
10	64QAM	50	0	19.23	19.09	19.21					
Channel				19975	20175	20375					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	19.01	19.24	19.08	20.3	0			
5	QPSK	1	12	19.21	19.42	19.27					
5	QPSK	1	24	19.16	19.25	19.22					
5	QPSK	12	0	19.22	19.39	19.30	20.3	0			
5	QPSK	12	7	19.27	19.35	19.07					
5	QPSK	12	13	19.20	19.13	19.16					
5	QPSK	25	0	19.21	19.22	19.30					
5	16QAM	1	0	19.05	19.18	19.04	20.3	0			
5	16QAM	1	12	19.06	19.36	19.06					
5	16QAM	1	24	19.06	19.19	19.05					
5	16QAM	12	0	19.27	19.15	19.29					
5	16QAM	12	7	19.10	19.21	19.11	20.3	0			
5	16QAM	12	13	19.06	19.08	19.02					
5	16QAM	25	0	19.01	19.15	19.28					
5	64QAM	1	0	19.01	19.24	19.11	20.3	0			
5	64QAM	1	12	19.13	19.37	19.24					
5	64QAM	1	24	19.08	19.11	19.18					
5	64QAM	12	0	19.24	19.30	19.17					
5	64QAM	12	7	19.12	19.13	19.12	20.3	0			
5	64QAM	12	13	18.98	19.06	19.07					
5	64QAM	25	0	19.11	19.00	19.20					
Channel				19950	20175	20390					
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	19.26	19.28	19.17	20.3	0			
1.4	QPSK	1	3	19.30	19.32	19.34					
1.4	QPSK	1	5	19.21	19.16	19.33					
1.4	QPSK	3	0	19.26	19.38	19.24	20.3	0			
1.4	QPSK	3	1	19.16	19.30	19.07					
1.4	QPSK	3	3	19.13	19.19	19.06					
1.4	QPSK	6	0	19.12	19.36	19.37	20.3	0			
1.4	16QAM	1	0	19.17	19.35	19.04					
1.4	16QAM	1	3	19.07	19.16	19.16	20.3	0			
1.4	16QAM	1	5	19.13	19.26	19.02					
1.4	16QAM	3	0	19.24	19.20	19.12					
1.4	16QAM	3	1	19.24	19.12	19.22					
1.4	16QAM	3	3	19.00	18.97	19.05	20.3	0			
1.4	16QAM	6	0	19.02	19.17	19.12					
1.4	64QAM	1	0	19.16	19.30	19.09					
1.4	64QAM	1	3	19.02	19.26	19.14	20.3	0			
1.4	64QAM	1	5	19.14	19.22	19.19					
1.4	64QAM	3	0	19.15	19.26	19.07					
1.4	64QAM	3	1	19.00	19.24	19.08					
1.4	64QAM	3	3	19.03	19.17	19.15					
1.4	64QAM	6	0	19.23	19.18	19.12	20.3	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				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.89	23.87	23.85	25	0			
10	QPSK	1	25	23.99	24.00	23.96					
10	QPSK	1	49	23.87	23.87	23.89					
10	QPSK	25	0	23.02	23.05	23.01	24	1			
10	16QAM	25	12	22.96	22.97	22.95					
10	16QAM	25	25	22.99	22.91	22.83					
10	16QAM	50	0	23.04	23.06	22.92					
10	16QAM	1	0	23.18	23.08	23.07					
10	16QAM	1	25	23.20	23.22	23.18	24	1			
10	16QAM	1	49	23.12	23.09	23.16					
10	16QAM	25	0	22.02	21.95	22.00					
10	16QAM	25	12	21.97	21.95	21.94					
10	16QAM	25	25	21.97	21.92	21.85	23	2			
10	16QAM	50	0	22.02	21.96	21.91					
10	64QAM	1	0	22.06	22.03	22.02					



### 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.77	19.84	19.75	20.7	0
20	QPSK	1	49	19.55	19.50	19.52		
20	QPSK	1	99	19.67	19.78	19.70		
20	QPSK	50	0	19.81	19.87	19.85	20.7	0
20	QPSK	50	24	19.80	19.77	19.74		
20	QPSK	50	50	19.68	19.74	19.80		
20	QPSK	100	0	19.70	19.73	19.70	20.7	0
20	16QAM	1	0	19.80	19.81	19.74		
20	16QAM	1	49	19.85	19.76	19.80		
20	16QAM	1	99	19.72	19.71	19.68	20.7	0
20	16QAM	50	0	19.74	19.82	19.64		
20	16QAM	50	24	19.83	19.83	19.79		
20	16QAM	50	50	19.81	19.71	19.77	20.7	0
20	16QAM	100	0	19.81	19.73	19.73		
20	84QAM	1	0	19.77	19.74	19.73		
20	84QAM	1	49	19.72	19.79	19.64	20.7	0
20	84QAM	1	99	19.71	19.77	19.67		
20	84QAM	50	0	19.69	19.82	19.81		
20	84QAM	50	24	19.67	19.72	19.74	20.7	0
20	84QAM	50	50	19.79	19.72	19.70		
20	84QAM	100	0	19.82	19.83	19.80		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.63	19.73	19.70	20.7	0
15	QPSK	1	37	19.78	19.75	19.69		
15	QPSK	1	74	19.59	19.67	19.57		
15	QPSK	36	0	19.81	19.77	19.83	20.7	0
15	QPSK	36	20	19.72	19.77	19.65		
15	QPSK	36	39	19.67	19.72	19.79		
15	QPSK	75	0	19.51	19.61	19.66	20.7	0
15	16QAM	1	0	19.66	19.80	19.65		
15	16QAM	1	37	19.85	19.60	19.64		
15	16QAM	1	74	19.69	19.57	19.58	20.7	0
15	16QAM	36	0	19.67	19.63	19.63		
15	16QAM	36	20	19.66	19.83	19.66		
15	16QAM	36	39	19.69	19.65	19.67	20.7	0
15	16QAM	75	0	19.75	19.58	19.68		
15	84QAM	1	0	19.59	19.74	19.73		
15	84QAM	1	37	19.56	19.71	19.64	20.7	0
15	84QAM	1	74	19.67	19.86	19.84		
15	84QAM	36	0	19.56	19.79	19.65		
15	84QAM	36	20	19.48	19.72	19.59	20.7	0
15	84QAM	36	39	19.71	19.55	19.58		
15	84QAM	75	0	19.76	19.67	19.74		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.77	19.79	19.71	20.7	0
10	QPSK	1	25	19.75	19.86	19.79		
10	QPSK	1	49	19.62	19.63	19.57		
10	QPSK	25	0	19.62	19.74	19.73	20.7	0
10	QPSK	25	12	19.73	19.72	19.68		
10	QPSK	25	25	19.55	19.68	19.79		
10	QPSK	50	0	19.57	19.57	19.69	20.7	0
10	16QAM	1	0	19.67	19.66	19.57		
10	16QAM	1	25	19.75	19.57	19.72		
10	16QAM	1	49	19.64	19.61	19.64	20.7	0
10	16QAM	25	0	19.66	19.63	19.64		
10	16QAM	25	12	19.82	19.71	19.76		
10	16QAM	25	25	19.81	19.62	19.80	20.7	0
10	16QAM	50	0	19.62	19.65	19.57		
10	84QAM	1	0	19.63	19.62	19.61		
10	84QAM	1	25	19.71	19.63	19.46	20.7	0
10	84QAM	1	49	19.71	19.61	19.55		
10	84QAM	25	0	19.56	19.77	19.65		
10	84QAM	25	12	19.57	19.54	19.61	20.7	0
10	84QAM	25	25	19.63	19.57	19.63		
10	84QAM	50	0	19.76	19.79	19.63		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.61	19.72	19.63	20.7	0
5	QPSK	1	12	19.69	19.80	19.63		
5	QPSK	1	24	19.62	19.77	19.69		
5	QPSK	12	0	19.78	19.82	19.80	20.7	0
5	QPSK	12	7	19.64	19.61	19.55		
5	QPSK	12	13	19.55	19.74	19.67		
5	QPSK	25	0	19.58	19.68	19.56	20.7	0
5	16QAM	1	0	19.76	19.62	19.65		
5	16QAM	1	12	19.78	19.75	19.73		
5	16QAM	1	24	19.68	19.61	19.57	20.7	0
5	16QAM	12	0	19.62	19.74	19.52		
5	16QAM	12	7	19.66	19.78	19.71		
5	16QAM	12	13	19.79	19.65	19.63	20.7	0
5	16QAM	25	0	19.64	19.67	19.59		
5	84QAM	1	0	19.60	19.68	19.63		
5	84QAM	1	12	19.59	19.69	19.53	20.7	0
5	84QAM	1	24	19.71	19.64	19.58		
5	84QAM	12	0	19.61	19.77	19.65		
5	84QAM	12	7	19.65	19.58	19.71	20.7	0
5	84QAM	12	13	19.71	19.60	19.75		
5	84QAM	25	0	19.77	19.82	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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.42	19.46	19.34	20.2	0
20	QPSK	1	49	19.47	19.55	19.52		
20	QPSK	1	99	19.41	19.45	19.38		
20	QPSK	50	0	19.44	19.54	19.50	20.2	0
20	QPSK	50	24	19.31	19.45	19.43		
20	QPSK	50	50	19.38	19.42	19.42		
20	QPSK	100	0	19.44	19.44	19.38	20.2	0
20	16QAM	1	0	19.23	19.45	19.21		
20	16QAM	1	49	19.30	19.53	19.36		
20	16QAM	1	99	19.27	19.41	19.35	20.2	0
20	16QAM	50	0	19.43	19.49	19.49		
20	16QAM	50	24	19.16	19.44	19.31		
20	16QAM	50	50	19.23	19.23	19.37	20.2	0
20	16QAM	100	0	19.33	19.32	19.26		
20	84QAM	1	0	19.41	19.46	19.23		
20	84QAM	1	49	19.43	19.43	19.40	20.2	0
20	84QAM	1	99	19.23	19.37	19.27		
20	84QAM	50	0	19.43	19.35	19.35		
20	84QAM	50	24	19.17	19.45	19.43	20.2	0
20	84QAM	50	50	19.22	19.25	19.29		
20	84QAM	100	0	19.30	19.44	19.22		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.42	19.46	19.34	20.2	0
15	QPSK	1	37	19.42	19.52	19.36		
15	QPSK	1	74	19.37	19.31	19.33		
15	QPSK	36	0	19.32	19.37	19.34	20.2	0
15	QPSK	36	20	19.31	19.32	19.43		
15	QPSK	36	39	19.31	19.37	19.25		
15	QPSK	75	0	19.38	19.41	19.31	20.2	0
15	16QAM	1	0	19.19	19.42	19.21		
15	16QAM	1	37	19.16	19.51	19.26		
15	16QAM	1	74	19.21	19.24	19.20	20.2	0
15	16QAM	36	0	19.32	19.38	19.30		
15	16QAM	36	20	19.01	19.33	19.16		
15	16QAM	36	39	19.10	19.12	19.24	20.2	0
15	16QAM	75	0	19.20	19.18	19.21		
15	84QAM	1	0	19.30	19.44	19.05		
15	84QAM	1	37	19.36	19.38	19.35	20.2	0
15	84QAM	1	74	19.07	19.25	19.08		
15	84QAM	36	0	19.30	19.27	19.33		
15	84QAM	36	20	19.16	19.31	19.35	20.2	0
15	84QAM	36	39	19.05	19.25	19.10		
15	84QAM	75	0	19.26	19.30	19.14		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.34	19.39	19.25	20.2	0
10	QPSK	1	25	19.40	19.48	19.51		
10	QPSK	1	49	19.41	19.41	19.27		
10	QPSK	25	0	19.26	19.42	19.37	20.2	0
10	QPSK	25	12	19.29	19.33	19.43		
10	QPSK	25	25	19.33	19.27	19.25		
10	QPSK	50	0	19.37	19.38	19.37	20.2	0
10	16QAM	1	0	19.19	19.29	19.04		
10	16QAM	1	25	19.15	19.38	19.23		
10	16QAM	1	49	19.23	19.35	19.21	20.2	0
10	16QAM	25	0	19.30	19.37	19.33		
10	16QAM	25	12					



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				23230						
Frequency (MHz)				782						
10	QPSK	1	0	23.19			24.4	0		
10	QPSK	1	25	23.25						
10	QPSK	1	49	23.22						
10	QPSK	25	0	22.24			23.4	1		
10	QPSK	25	12	22.22						
10	QPSK	25	25	22.21						
10	QPSK	50	0	22.26						
10	16QAM	1	0	22.41			23.4	1		
10	16QAM	1	25	22.49						
10	16QAM	1	49	22.40						
10	16QAM	25	0	21.26						
10	16QAM	25	12	21.31			22.4	2		
10	16QAM	25	25	21.31						
10	16QAM	50	0	21.25						
10	64QAM	1	0	21.38			22.4	2		
10	64QAM	1	25	21.44						
10	64QAM	1	49	21.43						
10	64QAM	25	0	20.29						
10	64QAM	25	12	20.31			21.4	3		
10	64QAM	25	25	20.31						
10	64QAM	50	0	20.27						
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				779.5	782	784.5				
5	QPSK	1	0	22.90	22.82	22.82	24.4	0		
5	QPSK	1	12	22.87	22.96	22.98				
5	QPSK	1	24	23.02	22.87	22.99				
5	QPSK	12	0	21.92	22.00	21.99	23.4	1		
5	QPSK	12	7	21.85	21.87	21.99				
5	QPSK	12	13	21.83	21.94	21.87				
5	QPSK	25	0	21.87	22.04	22.02				
5	16QAM	1	0	22.09	22.03	22.15	23.4	1		
5	16QAM	1	12	22.13	22.17	22.15				
5	16QAM	1	24	22.09	22.05	22.19				
5	16QAM	12	0	20.95	20.88	20.95	22.4	2		
5	16QAM	12	7	21.02	21.01	21.06				
5	16QAM	12	13	20.94	21.05	20.97				
5	16QAM	25	0	21.03	21.00	20.92				
5	64QAM	1	0	21.13	21.05	21.09	22.4	2		
5	64QAM	1	12	21.13	21.15	21.22				
5	64QAM	1	24	21.12	21.12	21.13				
5	64QAM	12	0	20.03	19.99	19.90	21.4	3		
5	64QAM	12	7	20.03	20.03	20.07				
5	64QAM	12	13	20.01	19.97	20.08				
5	64QAM	25	0	19.89	19.88	19.94				

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				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0	23.89			25	0	
15	QPSK	1	37	24.13					
15	QPSK	1	74	23.88					
15	QPSK	36	0	23.10			24	1	
15	QPSK	36	20	23.09					
15	QPSK	36	39	23.02					
15	QPSK	75	0	23.02					
15	16QAM	1	0	23.14			24	1	
15	16QAM	1	37	23.42					
15	16QAM	1	74	23.10					
15	16QAM	36	0	22.01					
15	16QAM	36	20	22.03			23	2	
15	16QAM	36	39	21.99					
15	16QAM	75	0	22.01					
15	64QAM	1	0	22.07			23	2	
15	64QAM	1	37	22.31					
15	64QAM	1	74	22.01					
15	64QAM	36	0	21.05					
15	64QAM	36	20	21.09			22	3	
15	64QAM	36	39	21.06					
15	64QAM	75	0	21.03					
Channel				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.73	23.78	23.85	25	0	
10	QPSK	1	25	24.12	24.00	24.05			
10	QPSK	1	49	23.76	23.82	23.70			
10	QPSK	25	0	23.03	22.94	23.10	24	1	
10	QPSK	25	12	23.02	22.92	22.97			
10	QPSK	25	25	22.91	22.87	22.94			
10	QPSK	50	0	22.92	22.87	22.94			
10	16QAM	1	0	23.02	22.96	22.96	24	1	
10	16QAM	1	25	23.25	23.23	23.35			
10	16QAM	1	49	23.06	22.98	23.04			
10	16QAM	25	0	21.87	21.91	21.89	23	2	
10	16QAM	25	12	21.97	21.92	21.87			
10	16QAM	25	25	21.83	21.99	21.95			
10	16QAM	50	0	21.82	22.00	21.92			
10	64QAM	1	0	21.95	21.88	22.06	23	2	
10	64QAM	1	25	22.30	22.23	22.19			
10	64QAM	1	49	21.98	21.85	21.91			
10	64QAM	25	0	20.98	20.89	20.93	22	3	
10	64QAM	25	12	21.00	21.04	20.94			
10	64QAM	25	25	20.88	21.00	20.93			
10	64QAM	50	0	20.99	20.87	20.91			
Channel				23875	23925	23975	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.60	23.65	23.75	25	0	
5	QPSK	1	12	24.11	23.86	23.89			
5	QPSK	1	24	23.73	23.63	23.70			
5	QPSK	12	0	22.93	22.94	22.97	24	1	
5	QPSK	12	7	23.02	22.77	22.96			
5	QPSK	12	13	22.79	22.70	22.80			
5	QPSK	25	0	22.77	22.86	22.81			
5	16QAM	1	0	22.98	22.86	22.93	24	1	
5	16QAM	1	12	23.16	23.09	23.19			
5	16QAM	1	24	23.02	22.84	22.99			
5	16QAM	12	0	21.73	21.88	21.73			
5	16QAM	12	7	21.88	21.76	21.70	23	2	
5	16QAM	12	13	21.73	21.81	21.78			
5	16QAM	25	0	21.72	21.81	21.89			
5	64QAM	1	0	21.79	21.82	21.93	23	2	
5	64QAM	1	12	22.25	22.04	22.01			
5	64QAM	1	24	21.97	21.79	21.76			
5	64QAM	12	0	20.98	20.84	20.77			
5	64QAM	12	7	20.87	20.93	20.89	22	3	
5	64QAM	12	13	20.86	20.92	20.74			
5	64QAM	25	0	20.97	20.77	20.82			

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				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0	23.56			24.9	0	
15	QPSK	1	37	23.77					
15	QPSK	1	74	23.64					
15	QPSK	36	0	22.77			23.9	1	
15	QPSK	36	20	22.75					
15	QPSK	36	39	22.70					
15	QPSK	75	0	22.73					
15	16QAM	1	0	22.81			23.9	1	
15	16QAM	1	37	22.98					
15	16QAM	1	74	22.82					
15	16QAM	36	0	21.73					
15	16QAM	36	20	21.74			22.9	2	
15	16QAM	36	39	21.74					
15	16QAM	75	0	21.72					
15	64QAM	1	0	21.71			22.9	2	
15	64QAM	1	37	21.94					
15	64QAM	1	74	21.86					
15	64QAM	36	0	20.77					
15	64QAM	36	20	20.79			21.9	3	
15	64QAM	36	39	20.78					
15	64QAM	75	0	20.74					
Channel				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.48	23.48	23.49	24.9	0	
10	QPSK	1	25	23.70	23.69	23.68			
10	QPSK	1	49	23.59	23.52	23.57			
10	QPSK	25	0	22.76	22.77	22.76	23.9	1	
10	QPSK	25	12	22.59	22.58	22.72			
10	QPSK								



### 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							24.75	0			
Frequency (MHz)											
15	QPSK	1	0	23.95			25	0			
15	QPSK	1	37	24.12							
15	QPSK	1	74	23.89							
15	QPSK	36	0	23.11			24	1			
15	QPSK	36	20	23.05							
15	QPSK	36	39	23.05							
15	QPSK	75	0	23.09			24	1			
15	16QAM	1	0	23.16							
15	16QAM	1	37	23.39							
15	16QAM	1	74	23.15			23	2			
15	16QAM	36	0	22.06							
15	16QAM	36	20	22.09							
15	16QAM	36	39	22.02			23	2			
15	16QAM	75	0	22.05							
15	84QAM	1	0	22.10							
15	84QAM	1	37	22.37			22	3			
15	84QAM	1	74	22.05							
15	84QAM	36	0	21.11							
15	84QAM	36	20	21.16			24	1			
15	84QAM	36	39	21.08							
15	84QAM	75	0	21.08							
Channel							24.050	24.075	24.100	25	0
Frequency (MHz)							832	837.5	840		
10	QPSK	1	0	23.81	23.92	23.77	24	1			
10	QPSK	1	25	24.12	24.03	24.01					
10	QPSK	1	49	23.79	23.80	23.70					
10	QPSK	25	0	23.04	23.02	22.94	24	1			
10	QPSK	25	12	23.01	22.91	22.88					
10	QPSK	25	25	22.96	22.87	22.89					
10	QPSK	50	0	22.94	22.91	23.00	24	1			
10	16QAM	1	0	23.04	23.14	22.99					
10	16QAM	1	25	23.31	23.30	23.37					
10	16QAM	1	49	23.04	23.14	23.15	23	2			
10	16QAM	25	0	22.03	21.92	21.91					
10	16QAM	25	12	22.08	22.01	21.93					
10	16QAM	25	25	21.86	21.88	21.88	23	2			
10	16QAM	50	0	22.04	21.97	21.97					
10	84QAM	1	0	21.96	22.04	22.09					
10	84QAM	1	25	22.26	22.22	22.25	22	3			
10	84QAM	1	49	21.88	22.04	21.94					
10	84QAM	25	0	21.11	20.92	21.01					
10	84QAM	25	12	21.15	21.04	21.05	23	2			
10	84QAM	25	25	20.94	20.93	21.00					
10	84QAM	50	0	20.97	21.08	20.97					
Channel							24.025	24.075	24.125	24	1
Frequency (MHz)							832.5	837.5	842.5		
5	QPSK	1	0	23.95	23.90	23.83	25	0			
5	QPSK	1	12	24.00	23.94	24.00					
5	QPSK	1	24	23.74	23.79	23.88					
5	QPSK	12	0	22.94	23.08	23.04	24	1			
5	QPSK	12	7	22.89	22.91	22.86					
5	QPSK	12	13	22.98	22.96	22.91					
5	QPSK	25	0	22.90	23.01	22.98	24	1			
5	16QAM	1	0	23.06	23.15	22.98					
5	16QAM	1	12	23.35	23.25	23.32					
5	16QAM	1	24	23.10	22.98	23.09	23	2			
5	16QAM	12	0	21.98	22.03	21.92					
5	16QAM	12	7	22.06	21.93	21.91					
5	16QAM	12	13	21.90	21.81	21.87	23	2			
5	16QAM	25	0	21.99	21.94	21.89					
5	84QAM	1	0	21.94	21.91	21.97					
5	84QAM	1	12	22.23	22.26	22.26	22	3			
5	84QAM	1	24	21.98	22.01	21.94					
5	84QAM	12	0	20.92	21.07	20.99					
5	84QAM	12	7	21.16	20.97	21.16	24	1			
5	84QAM	12	13	21.04	20.89	21.00					
5	84QAM	25	0	20.87	20.81	21.05					

### 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							24.075	0			
Frequency (MHz)											
15	QPSK	1	0	23.61			24.9	0			
15	QPSK	1	37	23.79							
15	QPSK	1	74	23.63							
15	QPSK	36	0	22.88			23.9	1			
15	QPSK	36	20	22.80							
15	QPSK	36	39	22.77							
15	QPSK	75	0	22.78			23.9	1			
15	16QAM	1	0	22.77							
15	16QAM	1	37	23.10							
15	16QAM	1	74	22.80			22.9	2			
15	16QAM	36	0	21.78							
15	16QAM	36	20	21.79							
15	16QAM	36	39	21.71			22.9	2			
15	16QAM	75	0	21.77							
15	84QAM	1	0	21.76							
15	84QAM	1	37	22.12			21.9	3			
15	84QAM	1	74	21.76							
15	84QAM	36	0	20.81							
15	84QAM	36	20	20.83			24.050	24.100			
15	84QAM	36	39	20.78							
15	84QAM	75	0	20.78							
Channel							24.050	24.075	24.100	24.9	0
Frequency (MHz)							835	837.5	840		
10	QPSK	1	0	23.50	23.60	23.45	24.9	0			
10	QPSK	1	25	23.68	23.77	23.68					
10	QPSK	1	49	23.59	23.55	23.62					
10	QPSK	25	0	22.74	22.73	22.85	23.9	1			
10	QPSK	25	12	22.66	22.69	22.74					
10	QPSK	25	25	22.74	22.59	22.59					
10	QPSK	50	0	22.78	22.60	22.65	23.9	1			
10	16QAM	1	0	22.72	22.77	22.68					
10	16QAM	1	25	23.00	22.98	22.93					
10	16QAM	1	49	22.76	22.70	22.64	22.9	2			
10	16QAM	25	0	21.78	21.62	21.75					
10	16QAM	25	12	21.77	21.75	21.72					
10	16QAM	25	25	21.52	21.58	21.52	22.9	2			
10	16QAM	50	0	21.66	21.64	21.65					
10	84QAM	1	0	21.67	21.67	21.65					
10	84QAM	1	25	21.97	21.95	22.04	21.9	3			
10	84QAM	1	49	21.71	21.70	21.65					
10	84QAM	25	0	20.74	20.63	20.63					
10	84QAM	25	12	20.80	20.66	20.80	24.025	24.075			
10	84QAM	25	25	20.71	20.61	20.76					
10	84QAM	50	0	20.59	20.59	20.72					
Channel							24.025	24.075	24.125	24.9	0
Frequency (MHz)							832.5	837.5	842.5		
5	QPSK	1	0	23.56	23.52	23.53	24.9	0			
5	QPSK	1	12	23.64	23.75	23.75					
5	QPSK	1	24	23.63	23.63	23.50					
5	QPSK	12	0	22.86	22.69	22.78	23.9	1			
5	QPSK	12	7	22.68	22.63	22.68					
5	QPSK	12	13	22.87	22.72	22.65					
5	QPSK	25	0	22.63	22.75	22.69	23.9	1			
5	16QAM	1	0	22.60	22.61	22.64					
5	16QAM	1	12	23.08	23.04	23.01					
5	16QAM	1	24	22.77	22.76	22.70	22.9	2			
5	16QAM	12	0	21.72	21.65	21.68					
5	16QAM	12	7	21.71	21.76	21.75					
5	16QAM	12	13	21.64	21.58	21.65	22.9	2			
5	16QAM	25	0	21.66	21.77	21.75					
5	84QAM	1	0	21.57	21.65	21.68					
5	84QAM	1	12	22.00	22.06	22.03	21.9	3			
5	84QAM	1	24	21.69	21.72	21.71					
5	84QAM	12	0	20.79	20.81	20.65					
5	84QAM	12	7	20.77	20.79	20.81	24.050	24.100			
5	84QAM	12	13	20.72	20.74	20.63					
5	84QAM	25	0	20.69	20.60	20.72					

### 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							26.765	26.865	26.965
Frequency (MHz)									
15	QPSK	1	0	23.87	23.89	23.87	25	0	
15	QPSK	1	37	24.14	24.15	24.09			
15	QPSK	1	74	23.88	23.82	23.80			
15	QPSK	36	0	23.01	23.03	23.02	24	1	
15	QPSK	36	20	22.99	23.02	22.95			
15	QPSK	36	39	23.00	22.98	22.99			
15	QPSK	75	0	23.02	23.05	23.01	24	1	
15	16QAM	1	0	23.11	23.23	23.08			
15	16QAM	1	37	23.38	23.32	23.29			
15	16QAM	1	74	23.13	23.05	23.07	23	2	
15	16QAM	36	0	22.01	22.00	21.98			
15	16QAM	36	20	22.04	21.98	22.01			
15	16QAM	36	39	22.00	21.97	21.96	23	2	
15	16QAM	75	0	22.01	22.00	21.97			
15	84QAM	1	0	22.06	22.09	22.10			
15	84QAM	1	37	22.36	22.27	22.24	23	2	
15	84QAM	1	74	22.03	22.00	21.99			
15	84QAM	36	0	21.04	21.05	21.03			
15	84QAM	36	20	21.11					





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				26765	26865	26965				
Frequency (MHz)				8215	8315	8415				
15	QPSK	1	0	23.52	23.54	23.58	24.9	0		
15	QPSK	1	37	23.75	23.89	23.83				
15	QPSK	1	74	23.62	23.59	23.67				
15	QPSK	36	0	22.78	22.80	22.78				
15	QPSK	36	39	22.74	22.69	22.77	23.9	1		
15	QPSK	36	39	22.74	22.69	22.71				
15	QPSK	75	0	22.70	22.75	22.72				
15	16QAM	1	0	22.82	22.83	22.85				
15	16QAM	1	37	23.05	23.03	22.98	23.9	1		
15	16QAM	1	74	22.81	22.83	22.90				
15	16QAM	36	0	21.65	21.63	21.73				
15	16QAM	36	20	21.69	21.69	21.74	22.9	2		
15	16QAM	36	39	21.74	21.65	21.67				
15	16QAM	75	0	21.72	21.65	21.75				
15	64QAM	1	0	21.69	21.68	21.77				
15	64QAM	1	37	21.91	21.93	21.87	22.9	2		
15	64QAM	1	74	21.76	21.72	21.79				
15	64QAM	36	0	20.71	20.71	20.81				
15	64QAM	36	20	20.76	20.76	20.77	21.9	3		
15	64QAM	36	39	20.77	20.70	20.69				
15	64QAM	75	0	20.70	20.68	20.75				
Channel				26740	26855	26970	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8140	8315	8440				
10	QPSK	1	0	23.38	23.37	23.46	24.9	0		
10	QPSK	1	25	23.59	23.79	23.66				
10	QPSK	1	49	23.48	23.59	23.57				
10	QPSK	25	0	22.66	22.73	22.64	23.9	1		
10	QPSK	25	12	22.74	22.55	22.74				
10	QPSK	25	25	22.73	22.56	22.55				
10	QPSK	50	0	22.57	22.69	22.65				
10	16QAM	1	0	22.81	22.80	22.72	23.9	1		
10	16QAM	1	25	22.82	23.03	22.98				
10	16QAM	1	49	22.69	22.77	22.74				
10	16QAM	25	0	21.49	21.46	21.60	22.9	2		
10	16QAM	25	12	21.50	21.61	21.70				
10	16QAM	25	25	21.59	21.55	21.66				
10	16QAM	50	0	21.64	21.61	21.72				
10	64QAM	1	0	21.69	21.52	21.61	22.9	2		
10	64QAM	1	25	21.81	21.82	21.68				
10	64QAM	1	49	21.60	21.65	21.73				
10	64QAM	25	0	20.58	20.64	20.64	21.9	3		
10	64QAM	25	12	20.58	20.64	20.60				
10	64QAM	25	25	20.73	20.60	20.52				
10	64QAM	50	0	20.68	20.52	20.75				
Channel				26715	26885	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8165	8315	8465				
5	QPSK	1	0	23.45	23.41	23.51	24.9	0		
5	QPSK	1	12	23.63	23.86	23.83				
5	QPSK	1	24	23.58	23.56	23.58				
5	QPSK	12	0	22.72	22.75	22.76	23.9	1		
5	QPSK	12	7	22.70	22.63	22.68				
5	QPSK	12	13	22.69	22.54	22.52				
5	QPSK	25	0	22.61	22.73	22.61				
5	16QAM	1	0	22.63	22.66	22.74	23.9	1		
5	16QAM	1	12	22.88	22.97	22.92				
5	16QAM	1	24	22.79	22.72	22.84				
5	16QAM	12	0	21.57	21.54	21.66	22.9	2		
5	16QAM	12	7	21.51	21.50	21.68				
5	16QAM	12	13	21.73	21.51	21.30				
5	16QAM	25	0	21.59	21.62	21.64	21.9	3		
5	64QAM	1	0	21.69	21.63	21.71				
5	64QAM	1	12	21.84	21.81	21.85				
5	64QAM	1	24	21.73	21.72	21.62				
5	64QAM	12	0	20.62	20.53	20.66				
5	64QAM	12	7	20.68	20.68	20.64				
5	64QAM	12	13	20.64	20.70	20.61				
5	64QAM	25	0	20.59	20.60	20.75				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8155	8315	8475				
3	QPSK	1	0	23.48	23.44	23.53	24.9	0		
3	QPSK	8	0	23.57	23.74	23.68				
3	QPSK	14	0	23.46	23.58	23.62				
3	QPSK	8	0	22.72	22.77	22.69	23.9	1		
3	QPSK	8	4	22.55	22.51	22.62				
3	QPSK	8	7	22.65	22.52	22.55				
3	QPSK	15	0	22.67	22.68	22.65				
3	16QAM	1	0	22.69	22.82	22.84	23.9	1		
3	16QAM	1	12	22.81	22.81	22.82				
3	16QAM	1	14	22.63	22.75	22.82				
3	16QAM	8	0	21.48	21.49	21.70	22.9	2		
3	16QAM	8	4	21.55	21.63	21.64				
3	16QAM	8	7	21.61	21.55	21.59				
3	16QAM	15	0	21.53	21.50	21.73				
3	64QAM	1	0	21.64	21.62	21.67	22.9	2		
3	64QAM	1	8	21.87	21.86	21.85				
3	64QAM	1	14	21.71	21.65	21.69				
3	64QAM	8	0	20.68	20.61	20.72	21.9	3		
3	64QAM	8	4	20.65	20.66	20.62				
3	64QAM	8	7	20.61	20.57	20.57				
3	64QAM	15	0	20.66	20.61	20.73				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				8147	8315	8483				
1.4	QPSK	1	0	23.70	23.66	23.69	24.9	0		
1.4	QPSK	1	3	23.75	23.79	23.73				
1.4	QPSK	1	5	23.72	23.65	23.65				
1.4	QPSK	3	0	23.57	23.48	23.60				
1.4	QPSK	3	1	23.65	23.77	23.71	23.9	1		
1.4	QPSK	3	3	23.61	23.47	23.56				
1.4	QPSK	6	0	22.64	22.71	22.69	23.9	1		
1.4	16QAM	1	0	22.79	22.83	22.80				
1.4	16QAM	1	3	22.99	23.02	22.93				
1.4	16QAM	1	5	22.87	22.85	22.90	23.9	1		
1.4	16QAM	3	0	22.79	22.76	22.74				
1.4	16QAM	3	1	22.90	22.86	22.92				
1.4	16QAM	3	3	22.71	22.79	22.82	22.9	2		
1.4	16QAM	6	0	21.60	21.61	21.66				
1.4	64QAM	1	0	21.66	21.69	21.64	22.9	2		
1.4	64QAM	1	3	21.83	21.75	21.75				
1.4	64QAM	1	5	21.74	21.65	21.67				
1.4	64QAM	3	0	21.63	21.62	21.63	22.9	2		
1.4	64QAM	3	1	21.68	21.56	21.57				
1.4	64QAM	3	3	21.74	21.49	21.60				
1.4	64QAM	6	0	20.59	20.57	20.63	21.9	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				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	18.60	18.62	18.72	19.5	0		
20	QPSK	1	49	18.77	18.80	18.74				
20	QPSK	1	99	18.72	18.79	18.72				
20	QPSK	50	0	18.65	18.70	18.67	19.5	0		
20	QPSK	50	24	18.66	18.62	18.58				
20	QPSK	50	50	18.60	18.56	18.62				
20	QPSK	100	0	18.68	18.76	18.73				
20	16QAM	1	0	18.75	18.61	18.62	19.5	0		
20	16QAM	1	49	18.60	18.79	18.72				
20	16QAM	1	99	18.72	18.74	18.61				
20	16QAM	50	0	18.75	18.67	18.72				
20	16QAM	50	24	18.66	18.70	18.69	19.5	0		
20	16QAM	50	50	18.66	18.76	18.65				
20	16QAM	100	0	18.73	18.76	18.65				
20	64QAM	1	0	18.66	18.73	18.62	19.5	0		
20	64QAM	1	49							





Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.51	21.57	21.45	22.5	0	
20	QPSK	1	49	21.56	21.60	21.52			
20	QPSK	1	99	21.55	21.57	21.36			
20	QPSK	50	0	21.47	21.49	21.39			
20	16QAM	50	24	21.45	21.47	21.33			
20	QPSK	50	50	21.38	21.47	21.35	22.5	0	
20	QPSK	100	0	21.52	21.56	21.34			
20	16QAM	1	0	21.56	21.51	21.48	22.5	0	
20	16QAM	1	49	21.51	21.52	21.47			
20	16QAM	1	99	21.55	21.42	21.49			
20	16QAM	50	0	21.53	21.46	21.43			
20	16QAM	50	24	21.55	21.51	21.57	22.5	0	
20	16QAM	100	0	21.58	21.56	21.47			
20	64QAM	1	0	21.07	21.17	21.06			
20	64QAM	1	49	21.24	21.34	21.34	22.5	0	
20	64QAM	1	99	21.19	21.34	21.32			
20	64QAM	50	0	20.62	20.52	20.52			
20	64QAM	50	24	20.65	20.66	20.68	21.5	1	
20	64QAM	50	50	20.63	20.67	20.65			
20	64QAM	100	0	20.73	20.72	20.67			
Channel				37625	38000	38115			
Frequency (MHz)				25725	25950	26125			
15	QPSK	1	0	21.36	21.49	21.39	22.5	0	
15	QPSK	1	37	21.54	21.59	21.39			
15	QPSK	1	74	21.46	21.45	21.21			
15	QPSK	36	0	21.34	21.44	21.23			
15	QPSK	36	20	21.45	21.35	21.28	22.5	0	
15	QPSK	36	39	21.30	21.46	21.18			
15	QPSK	75	0	21.51	21.40	21.19			
15	16QAM	1	0	21.38	21.47	21.32	22.5	0	
15	16QAM	1	37	21.46	21.50	21.35			
15	16QAM	1	74	21.52	21.34	21.30			
15	16QAM	36	0	21.45	21.44	21.33			
15	16QAM	36	20	21.52	21.40	21.46	22.5	0	
15	16QAM	36	39	21.47	21.36	21.56			
15	16QAM	75	0	21.47	21.50	21.33			
15	64QAM	1	0	20.89	21.02	21.05			
15	64QAM	1	37	21.12	21.23	21.23	22.5	0	
15	64QAM	1	74	21.02	21.26	21.23			
15	64QAM	36	0	20.59	20.50	20.35			
15	64QAM	36	20	20.64	20.54	20.62	21.5	1	
15	64QAM	36	39	20.63	20.63	20.53			
15	64QAM	75	0	20.72	20.65	20.51			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.41	21.41	21.35	22.5	0	
10	QPSK	1	25	21.54	21.45	21.40			
10	QPSK	1	49	21.41	21.52	21.29			
10	QPSK	25	0	21.33	21.42	21.34			
10	QPSK	25	12	21.42	21.44	21.21	22.5	0	
10	QPSK	25	25	21.36	21.37	21.18			
10	QPSK	50	0	21.51	21.41	21.34			
10	16QAM	1	0	21.48	21.33	21.29			
10	16QAM	1	25	21.36	21.34	21.43	22.5	0	
10	16QAM	1	49	21.54	21.38	21.34			
10	16QAM	25	0	21.43	21.46	21.28			
10	16QAM	25	12	21.46	21.36	21.38	22.5	0	
10	16QAM	25	25	21.45	21.51	21.52			
10	16QAM	50	0	21.44	21.47	21.34			
10	64QAM	1	0	20.91	21.02	21.00			
10	64QAM	1	25	21.14	21.15	21.20	22.5	0	
10	64QAM	1	49	21.00	21.19	21.31			
10	64QAM	25	0	20.45	20.44	20.49			
10	64QAM	25	12	20.63	20.48	20.62	21.5	1	
10	64QAM	25	25	20.60	20.48	20.62			
10	64QAM	50	0	20.65	20.66	20.62			
Channel				37775	38000	38225			
Frequency (MHz)				25925	2595	26125			
5	QPSK	1	0	21.38	21.39	21.45	22.5	0	
5	QPSK	1	12	21.50	21.58	21.45			
5	QPSK	1	24	21.52	21.38	21.29			
5	QPSK	12	0	21.28	21.49	21.36			
5	QPSK	12	7	21.27	21.45	21.29	22.5	0	
5	QPSK	12	13	21.22	21.43	21.24			
5	QPSK	25	0	21.42	21.54	21.33			
5	16QAM	1	0	21.42	21.44	21.33	22.5	0	
5	16QAM	1	12	21.46	21.46	21.32			
5	16QAM	1	24	21.42	21.36	21.38			
5	16QAM	12	0	21.44	21.34	21.35			
5	16QAM	12	7	21.47	21.44	21.38	22.5	0	
5	16QAM	12	13	21.51	21.47	21.52			
5	16QAM	25	0	21.44	21.46	21.47			
5	64QAM	1	0	21.07	21.07	20.97	22.5	0	
5	64QAM	1	12	21.22	21.16	21.27			
5	64QAM	1	24	21.14	21.27	21.20			
5	64QAM	12	0	20.59	20.47	20.36			
5	64QAM	12	7	20.51	20.51	20.59	21.5	1	
5	64QAM	12	13	20.61	20.64	20.60			
5	64QAM	25	0	20.59	20.69	20.59			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.79	20.84	20.74	21.7	0	
20	QPSK	1	49	20.85	20.89	20.84			
20	QPSK	1	99	20.73	20.83	20.79			
20	QPSK	50	0	20.86	20.87	20.77			
20	QPSK	50	24	20.70	20.75	20.65	21.7	0	
20	QPSK	50	50	20.85	20.72	20.68			
20	QPSK	100	0	20.77	20.85	20.79			
20	16QAM	1	0	20.77	20.66	20.62	21.7	0	
20	16QAM	1	49	20.82	20.71	20.79			
20	16QAM	1	99	20.70	20.82	20.74			
20	16QAM	50	0	20.80	20.74	20.69			
20	16QAM	50	24	20.58	20.62	20.48	21.7	0	
20	16QAM	100	0	20.62	20.79	20.71			
20	64QAM	1	0	20.78	20.78	20.65			
20	64QAM	1	49	20.71	20.77	20.70	21.7	0	
20	64QAM	1	99	20.60	20.69	20.62			
20	64QAM	50	0	20.69	20.70	20.61			
20	64QAM	50	24	20.54	20.59	20.63	21.2	0.5	
20	64QAM	50	50	20.72	20.71	20.56			
20	64QAM	100	0	20.73	20.81	20.77			
Channel				37625	38000	38115			
Frequency (MHz)				25725	25950	26125			
15	QPSK	1	0	20.79	20.84	20.74	21.7	0	
15	QPSK	1	37	20.85	20.89	20.84			
15	QPSK	1	74	20.73	20.83	20.79			
15	QPSK	36	0	20.86	20.87	20.77			
15	QPSK	36	20	20.70	20.75	20.65	21.7	0	
15	QPSK	36	39	20.85	20.72	20.68			
15	QPSK	75	0	20.77	20.85	20.79			
15	16QAM	1	0	20.77	20.66	20.62	21.7	0	
15	16QAM	1	37	20.82	20.71	20.79			
15	16QAM	1	74	20.70	20.82	20.74			
15	16QAM	36	0	20.80	20.74	20.69			
15	16QAM	36	20	20.58	20.62	20.48	21.7	0	
15	16QAM	36	39	20.84	20.71	20.68			
15	16QAM	75	0	20.62	20.79	20.71			
15	64QAM	1	0	20.78	20.78	20.65			
15	64QAM	1	37	20.71	20.77	20.70	21.7	0	
15	64QAM	1	74	20.60	20.69	20.62			
15	64QAM	36	0	20.69	20.70	20.61			
15	64QAM	36	20	20.54	20.59	20.63	21.2	0.5	
15	64QAM	36	39	20.72	20.71	20.56			
15	64QAM	75	0	20.73	20.81	20.77			
Channel				37800	38000	38200			
Frequency (									



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 Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	21.56	21.61	21.67	21.64	21.57	22.5	0
20	QPSK	1	49	21.58	21.62	21.69	21.66	21.60		
20	QPSK	1	99	21.54	21.46	21.56	21.53	21.52		
20	QPSK	50	0	21.37	21.53	21.55	21.50	21.36	22.5	0
20	QPSK	50	24	21.39	21.50	21.50	21.38	21.45		
20	QPSK	50	50	21.55	21.49	21.61	21.49	21.52		
20	QPSK	100	0	21.50	21.44	21.59	21.54	21.55	22.5	0
20	16QAM	1	0	21.37	21.49	21.56	21.58	21.48		
20	16QAM	1	49	21.42	21.56	21.56	21.65	21.51		
20	16QAM	1	99	21.35	21.33	21.52	21.45	21.34	22.5	0
20	16QAM	50	0	21.55	21.49	21.48	21.49	21.57		
20	16QAM	50	24	21.51	21.61	21.67	21.61	21.44		
20	16QAM	50	50	21.35	21.37	21.46	21.35	21.42	22.5	0
20	16QAM	100	0	21.55	21.60	21.55	21.45	21.45		
20	64QAM	1	0	21.42	21.58	21.46	21.56	21.36		
20	64QAM	1	49	21.48	21.41	21.58	21.38	21.46	22.5	0
20	64QAM	1	99	21.38	21.27	21.58	21.43	21.48		
20	64QAM	50	0	20.83	20.86	20.79	20.78	20.78		
20	64QAM	50	24	20.87	20.89	20.87	20.84	20.82	21.5	1
20	64QAM	50	50	20.83	20.82	20.83	20.87	20.76		
20	64QAM	100	0	20.20	20.63	20.77	20.78	20.73		
Channel				40115	40376	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2545.5	2569.5	2595	2621.3	2647.5		
15	QPSK	1	0	21.38	21.48	21.51	21.69	21.54	22.5	0
15	QPSK	1	37	21.42	21.46	21.60	21.60	21.46		
15	QPSK	1	74	21.42	21.40	21.49	21.48	21.50		
15	QPSK	36	0	21.41	21.61	21.49	21.50	21.54	22.5	0
15	QPSK	36	20	21.49	21.45	21.45	21.41	21.31		
15	QPSK	36	39	21.43	21.44	21.50	21.42	21.42		
15	QPSK	75	0	21.47	21.26	21.54	21.53	21.40	22.5	0
15	16QAM	1	0	21.30	21.31	21.45	21.50	21.37		
15	16QAM	1	37	21.29	21.39	21.37	21.67	21.38		
15	16QAM	1	74	21.28	21.32	21.35	21.32	21.15	22.5	0
15	16QAM	36	0	21.55	21.41	21.48	21.35	21.56		
15	16QAM	36	20	21.43	21.54	21.56	21.60	21.35		
15	16QAM	36	39	21.16	21.22	21.33	21.27	21.24	22.5	0
15	16QAM	75	0	21.45	21.52	21.47	21.29	21.27		
15	64QAM	1	0	21.30	21.47	21.31	21.45	21.30		
15	64QAM	1	37	21.31	21.40	21.50	21.37	21.35	22.5	0
15	64QAM	1	74	21.38	21.10	21.52	21.30	21.46		
15	64QAM	36	0	20.81	20.83	20.76	20.68	20.69		
15	64QAM	36	20	20.82	20.73	20.73	20.70	20.79	21.5	1
15	64QAM	36	39	20.64	20.73	20.69	20.82	20.61		
15	64QAM	75	0	20.72	20.71	20.75	20.73	20.55		
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	21.55	21.46	21.50	21.55	21.52	22.5	0
10	QPSK	1	25	21.47	21.56	21.51	21.50	21.46		
10	QPSK	1	49	21.51	21.46	21.48	21.49	21.46		
10	QPSK	25	0	21.48	21.48	21.51	21.44	21.46	22.5	0
10	QPSK	25	12	21.31	21.52	21.43	21.45	21.40		
10	QPSK	25	25	21.40	21.46	21.43	21.47	21.38		
10	QPSK	50	0	21.33	21.27	21.59	21.38	21.47	22.5	0
10	16QAM	1	0	21.25	21.43	21.49	21.48	21.42		
10	16QAM	1	25	21.41	21.43	21.48	21.48	21.42		
10	16QAM	1	49	21.25	21.15	21.43	21.31	21.16	22.5	0
10	16QAM	25	0	21.51	21.33	21.32	21.30	21.54		
10	16QAM	25	12	21.33	21.52	21.56	21.43	21.25		
10	16QAM	25	25	21.26	21.29	21.28	21.35	21.24	22.5	0
10	16QAM	50	0	21.53	21.53	21.53	21.28	21.29		
10	64QAM	1	0	21.40	21.55	21.40	21.50	21.18		
10	64QAM	1	25	21.36	21.27	21.39	21.34	21.40	22.5	0
10	64QAM	1	49	21.25	21.24	21.55	21.40	21.34		
10	64QAM	25	0	20.82	20.82	20.66	20.64	20.63		
10	64QAM	25	12	20.79	20.72	20.76	20.71	20.64	21.5	1
10	64QAM	25	25	20.73	20.66	20.82	20.70	20.57		
10	64QAM	50	0	20.65	20.69	20.61	20.60	20.72		
Channel				40065	40353	40640	40923	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.3	2595	2628.30	2659.3		
5	QPSK	1	0	21.39	21.69	21.48	21.49	21.47	22.5	0
5	QPSK	1	12	21.46	21.55	21.55	21.51	21.42		
5	QPSK	1	24	21.42	21.27	21.37	21.50	21.49		
5	QPSK	12	0	21.45	21.58	21.62	21.48	21.48	22.5	0
5	QPSK	12	7	21.30	21.44	21.43	21.53	21.34		
5	QPSK	12	13	21.40	21.48	21.54	21.30	21.45		
5	QPSK	25	0	21.47	21.31	21.45	21.35	21.49	22.5	0
5	16QAM	1	0	21.32	21.43	21.56	21.55	21.41		
5	16QAM	1	12	21.28	21.44	21.55	21.59	21.35		
5	16QAM	1	24	21.28	21.29	21.46	21.44	21.38	22.5	0
5	16QAM	12	0	21.41	21.38	21.29	21.36	21.44		
5	16QAM	12	7	21.40	21.51	21.66	21.53	21.44		
5	16QAM	12	13	21.17	21.36	21.34	21.16	21.34	22.5	0
5	16QAM	25	0	21.53	21.46	21.37	21.43	21.38		
5	64QAM	1	0	21.41	21.45	21.42	21.56	21.34		
5	64QAM	1	12	21.36	21.28	21.49	21.28	21.38	22.5	0
5	64QAM	1	24	21.19	21.12	21.51	21.38	21.34		
5	64QAM	12	0	20.66	20.73	20.67	20.64	20.77		
5	64QAM	12	7	20.77	20.84	20.85	20.75	20.82	21.5	1
5	64QAM	12	13	20.67	20.69	20.75	20.76	20.76		
5	64QAM	25	0	20.77	20.69	20.64	20.63	20.67		

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 Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	20.63	20.77	20.78	20.73	20.68	21.7	0
20	QPSK	1	49	20.88	20.90	20.93	20.91	20.85		
20	QPSK	1	99	20.59	20.76	20.79	20.73	20.67		
20	QPSK	50	0	20.76	20.77	20.79	20.72	20.74	21.7	0
20	QPSK	50	24	20.73	20.62	20.66	20.52	20.62		
20	QPSK	50	50	20.75	20.66	20.76	20.70	20.72		
20	QPSK	100	0	20.69	20.71	20.75	20.67	20.71	21.7	0
20	16QAM	1	0	20.50	20.58	20.68	20.61	20.49		
20	16QAM	1	49	20.72	20.68	20.71	20.71	20.70		
20	16QAM	1	99	20.49	20.68	20.70	20.65	20.62	21.7	0
20	16QAM	50	0	20.69	20.63	20.60	20.59	20.68		
20	16QAM	50	24	20.51	20.75	20.77	20.53	20.64		
20	16QAM	50	50	20.73	20.62	20.66	20.52	20.62	21.7	0
20	16QAM	100	0	20.57	20.69	20.74	20.53	20.68		
20	64QAM	1	0	20.52	20.73	20.63	20.64	20.49		
20	64QAM	1	49	20.76	20.69	20.78	20.69	20.74	21.7	0
20	64QAM	1	99	20.54	20.61	20.64	20.63	20.51		
20	64QAM	50	0	20.30	20.23	20.20	20.21	20.30		
20	64QAM	50	24	20.26	20.30	20.25	20.22	20.28	21.2	0.5
20	64QAM	50	50	20.18	20.24	20.30	20.29	20.20		
20	64QAM	100	0	20.22	20.46	20.23	20.49	20.24		
Channel				40115	40376	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5		
15	QPSK	1	0	20.58	20.58	20.77	20.61	20.57	21.7	0
15	QPSK	1	37							



### Reduced Power Mode for DSI8

GSM850_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	251		126	189	251		
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot	31.54	31.68	31.68	<b>32.50</b>	22.54	22.68	22.68	23.50	23.50
GPRS 1 Tx slot	31.66	31.70	31.68	<b>32.50</b>	22.66	22.70	22.68	23.50	23.50
GPRS 2 Tx slots	29.46	29.51	29.47	<b>30.50</b>	23.46	23.51	23.47	<b>24.50</b>	24.50
GPRS 3 Tx slots	27.49	27.52	27.46	<b>28.50</b>	23.23	23.26	23.20	24.24	24.24
GPRS 4 Tx slots	25.97	26.03	26.01	<b>27.00</b>	22.97	23.03	23.01	23.00	23.00
EDGE(GMSK) 1 Tx slot	31.53	31.63	31.49	<b>32.50</b>	22.53	22.63	22.49	23.50	23.50
EDGE(GMSK) 2 Tx slots	29.29	29.39	29.29	<b>30.50</b>	23.29	23.39	23.29	<b>24.50</b>	24.50
EDGE(GMSK) 3 Tx slots	27.38	27.36	27.43	<b>28.50</b>	23.12	23.10	23.17	24.24	24.24
EDGE(GMSK) 4 Tx slots	25.87	25.89	25.83	<b>27.00</b>	22.87	22.89	22.83	24.00	24.00
EDGE(BPSK) 1 Tx slot	26.72	26.82	26.91	<b>28.00</b>	17.72	17.82	17.91	18.00	18.00
EDGE(BPSK) 2 Tx slots	24.73	25.04	25.04	<b>26.00</b>	16.73	16.04	16.04	20.00	20.00
EDGE(BPSK) 3 Tx slots	23.22	23.49	23.48	<b>24.00</b>	16.96	16.23	16.22	19.74	19.74
EDGE(BPSK) 4 Tx slots	22.01	22.00	22.03	<b>22.50</b>	16.01	16.00	16.03	18.50	18.50

GSM1900_Ant 13	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	859.2	1600	1693.2	859.2	1600	1693.2	859.2	1600	1693.2
GSM 1 Tx slot	24.61	24.82	24.54	<b>25.50</b>	15.61	15.82	15.54	16.50	16.50
GPRS 1 Tx slot	24.63	24.64	24.55	<b>25.50</b>	15.63	15.64	15.55	16.50	16.50
GPRS 2 Tx slot	23.02	23.07	23.05	<b>23.80</b>	17.02	17.07	17.05	<b>17.80</b>	17.80
GPRS 3 Tx slots	21.09	21.13	21.12	<b>21.80</b>	16.83	16.87	16.86	17.54	17.54
GPRS 4 Tx slots	19.58	19.61	19.55	<b>20.30</b>	16.58	16.61	16.55	17.30	17.30
EDGE(GMSK) 1 Tx slot	24.27	24.46	24.47	<b>25.50</b>	15.27	15.46	15.47	16.50	16.50
EDGE(GMSK) 2 Tx slots	22.84	22.82	22.82	<b>23.80</b>	16.84	16.82	16.82	<b>17.80</b>	17.80
EDGE(GMSK) 3 Tx slots	20.58	20.86	20.67	<b>21.80</b>	16.32	16.60	16.41	17.54	17.54
EDGE(GMSK) 4 Tx slots	19.23	19.36	19.31	<b>20.30</b>	16.23	16.36	16.31	17.30	17.30
EDGE(BPSK) 1 Tx slot	25.02	25.03	25.00	<b>25.80</b>	16.02	16.03	16.00	16.50	16.50
EDGE(BPSK) 2 Tx slots	23.13	23.20	23.12	<b>23.80</b>	17.13	17.20	17.12	17.50	17.50
EDGE(BPSK) 3 Tx slots	21.29	21.34	21.32	<b>21.80</b>	17.63	17.08	17.08	17.28	17.28
EDGE(BPSK) 4 Tx slots	19.82	19.98	19.95	<b>20.00</b>	16.82	16.98	16.95	17.00	17.00

Band	TX Channel	WCDMA II_Ant 13			Tune-up Limit (dBm)	WCDMA IV_Ant 31			Tune-up Limit (dBm)
		9262	9400	9538		9262	9400	9538	
3GPP Rel 99	AMR 12.2Kbps	15.38	15.53	15.47	16.50	16.18	16.27	16.14	16.30
3GPP Rel 99	RMC 12.2Kbps	15.32	15.66	15.57	16.50	16.27	16.32	16.25	16.30
3GPP Rel 6	HSDPA Subtest-1	14.62	14.55	14.61	15.50	17.27	17.25	17.23	18.30
3GPP Rel 6	HSDPA Subtest-2	14.37	14.54	14.43	15.50	17.04	17.28	17.15	18.30
3GPP Rel 6	HSDPA Subtest-3	13.97	14.01	14.05	15.00	16.63	16.74	16.84	17.80
3GPP Rel 6	HSDPA Subtest-4	13.85	14.02	13.85	15.00	16.61	16.69	16.61	17.80
3GPP Rel 8	DC-HSDPA Subtest-1	14.54	14.57	14.54	15.50	17.49	17.53	17.47	18.30
3GPP Rel 8	DC-HSDPA Subtest-2	14.50	14.54	14.65	15.50	17.56	17.55	17.59	18.30
3GPP Rel 8	DC-HSDPA Subtest-3	14.00	14.03	14.13	15.00	16.96	17.01	17.00	17.80
3GPP Rel 8	DC-HSDPA Subtest-4	13.90	14.12	14.09	15.00	17.02	17.07	16.95	17.80
3GPP Rel 6	HSUPA Subtest-1	13.58	13.74	13.57	14.30	16.29	16.29	16.21	17.10
3GPP Rel 6	HSUPA Subtest-2	13.48	13.67	13.60	14.30	16.20	16.40	16.31	17.10
3GPP Rel 6	HSUPA Subtest-3	14.58	14.62	14.61	15.30	17.27	17.40	17.30	18.10
3GPP Rel 6	HSUPA Subtest-4	13.12	13.26	13.06	13.80	15.65	15.91	15.82	16.80
3GPP Rel 6	HSUPA Subtest-5	14.51	14.54	14.55	15.30	17.02	17.15	17.21	18.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.14	13.08	13.13	14.30	15.77	15.89	15.73	17.10

Band	TX Channel	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
		4192	4192	4233		4192	4192	4233	
3GPP Rel 99	AMR 12.2Kbps	22.80	22.92	22.81	24.00	23.53	23.54	23.51	24.90
3GPP Rel 99	RMC 12.2Kbps	22.90	22.96	22.92	24.00	23.55	23.60	23.52	24.90
3GPP Rel 6	HSDPA Subtest-1	21.85	21.55	21.48	23.00	22.58	22.57	22.66	23.90
3GPP Rel 6	HSDPA Subtest-2	21.38	21.66	21.53	23.00	22.54	22.53	22.49	23.90
3GPP Rel 6	HSDPA Subtest-3	21.01	20.90	21.07	22.50	22.12	22.03	22.06	23.40
3GPP Rel 6	HSDPA Subtest-4	20.95	20.99	20.92	22.50	22.10	22.02	22.06	23.40
3GPP Rel 6	DC-HSDPA Subtest-1	21.47	21.52	21.59	23.00	22.82	22.88	22.66	23.90
3GPP Rel 8	DC-HSDPA Subtest-2	21.33	21.47	21.55	23.00	22.60	22.63	22.63	23.90
3GPP Rel 8	DC-HSDPA Subtest-3	20.80	21.03	21.20	22.50	22.08	22.13	22.10	23.40
3GPP Rel 8	DC-HSDPA Subtest-4	20.86	21.09	21.08	22.50	22.04	22.09	22.07	23.40
3GPP Rel 6	HSUPA Subtest-1	20.53	20.75	20.61	21.80	21.63	21.71	21.65	22.70
3GPP Rel 6	HSUPA Subtest-2	20.52	20.62	20.51	21.80	21.55	21.66	21.61	22.70
3GPP Rel 6	HSUPA Subtest-3	21.48	21.68	21.50	22.80	22.31	22.65	22.64	23.70
3GPP Rel 6	HSUPA Subtest-4	19.99	20.15	20.10	21.30	21.08	21.16	21.13	22.20
3GPP Rel 6	HSUPA Subtest-5	21.43	21.51	21.39	22.80	22.48	22.50	22.50	23.70
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.12	20.03	20.10	21.80	20.99	21.06	21.03	22.70

GSM850_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	251		126	189	251		
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot	32.15	32.17	32.01	<b>33.40</b>	23.15	23.17	23.01	24.40	24.40
GPRS 1 Tx slot	32.16	32.20	32.05	<b>33.40</b>	23.16	23.20	23.05	23.40	23.40
GPRS 2 Tx slots	30.67	30.89	30.79	<b>31.40</b>	24.67	24.89	24.79	<b>25.40</b>	25.40
GPRS 3 Tx slots	28.67	28.70	28.56	<b>29.40</b>	24.41	24.44	24.30	25.14	25.14
GPRS 4 Tx slots	27.09	27.13	27.01	<b>27.90</b>	24.09	24.13	24.01	24.90	24.90
EDGE(GMSK) 1 Tx slot	32.16	32.15	31.92	<b>33.40</b>	23.16	23.15	23.20	24.40	24.40
EDGE(GMSK) 2 Tx slots	30.99	31.01	30.93	<b>31.40</b>	24.99	25.01	24.93	<b>25.40</b>	25.40
EDGE(GMSK) 3 Tx slots	28.50	28.70	28.46	<b>29.40</b>	24.24	24.44	24.20	25.14	25.14
EDGE(GMSK) 4 Tx slots	27.16	27.18	27.06	<b>27.90</b>	24.16	24.18	24.06	24.90	24.90
EDGE(BPSK) 1 Tx slot	27.12	27.38	27.39	<b>27.90</b>	18.12	18.38	18.39	18.90	18.90
EDGE(BPSK) 2 Tx slots	25.40	25.42	25.38	<b>26.30</b>	19.40	19.42	19.38	19.90	19.90
EDGE(BPSK) 3 Tx slots	23.40	23.33	23.38	<b>23.90</b>	19.14	19.07	19.12	19.64	19.64
EDGE(BPSK) 4 Tx slots	21.90	22.04	21.96	<b>22.40</b>	18.90	19.04	18.96	19.40	19.40

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512 <td>661 <td>810</td> <td>512 <td>661 <td>810</td> <td>512 <td>661 <td>810</td> </td></td></td></td></td>	661 <td>810</td> <td>512 <td>661 <td>810</td> <td>512 <td>661 <td>810</td> </td></td></td></td>	810	512 <td>661 <td>810</td> <td>512 <td>661 <td>810</td> </td></td></td>	661 <td>810</td> <td>512 <td>661 <td>810</td> </td></td>	810	512 <td>661 <td>810</td> </td>	661 <td>810</td>	810
Frequency (MHz)	859.2	1600	1693.2	859.2	1600	1693.2	859.2	1600	1693.2
GSM 1 Tx slot	27.07	27.24	27.14	<b>28.30</b>	18.07	18.24	18.14	19.30	19.30
GPRS 1 Tx slot	27.14	27.28	27.30	<b>28.30</b>	18.14	18.28	18.30	19.30	19.30
GPRS 2 Tx slots	25.53	25.79	25.70	<b>26.30</b>	19.53	19.79	19.70	20.30	20.30
GPRS 3 Tx slots	23.49	23.82	23.64	<b>24.30</b>	19.23	19.56	19.38	19.80	19.80
GPRS 4 Tx slots	21.05	22.33	22.12	<b>22.80</b>	18.95	19.33	19.12	20.00	20.00
EDGE(GMSK) 1 Tx slot	26.97	27.10	27.03	<b>28.30</b>	17.97	18.10	18.03	19.30	19.30
EDGE(GMSK) 2 Tx slots	25.40	25.57	25.11	<b>26.30</b>	19.40	19.57	19.11	20.30	20.30
EDGE(GMSK) 3 Tx slots	23.48	23.54	23.28	<b>24.30</b>	19.22	19.28	19.02	20.04	20.04
EDGE(GMSK) 4 Tx slots	21.86	22.01	21.68	<b>22.80</b>	18.86	19.01	18.68	19.80	19.80
EDGE(BPSK) 1 Tx slot	25.76	25.74	25.69	<b>26.80</b>	16.76	16.74	16.69	17.80	17.80
EDGE(BPSK) 2 Tx slots	23.68	23.73	23.64	<b>24.80</b>	17.68	17.73	17.64	18.80	18.80
EDGE(BPSK) 3 Tx slots	21.79	21.84	21.73	<b>22.80</b>	17.53	17.58	17.47	18.54	18.54



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)				18700	18900	19100				
20	QPSK	1	0	15.48	15.56	15.58	16.5	0		
20	QPSK	1	49	15.67	15.70	15.63				
20	QPSK	1	99	15.56	15.67	15.61				
20	QPSK	50	0	15.56	15.68	15.56				
20	QPSK	50	24	15.57	15.56	15.49				
20	QPSK	50	50	15.51	15.66	15.54	16.5	0		
20	QPSK	100	0	15.53	15.66	15.53				
20	16QAM	1	0	15.67	15.60	15.63				
20	16QAM	1	49	15.67	15.54	15.51	16.5	0		
20	16QAM	1	99	15.55	15.59	15.60				
20	16QAM	50	0	15.65	15.65	15.60				
20	16QAM	50	24	15.56	15.65	15.57	16.5	0		
20	16QAM	50	50	15.57	15.52	15.49				
20	16QAM	100	0	15.60	15.59	15.50				
20	64QAM	1	0	15.55	15.63	15.47				
20	64QAM	1	49	15.55	15.54	15.53	16.5	0		
20	64QAM	1	99	15.66	15.60	15.55				
20	64QAM	50	0	15.62	15.61	15.52				
20	64QAM	50	24	15.57	15.68	15.47	16.5	0		
20	64QAM	50	50	15.67	15.65	15.55				
20	64QAM	100	0	15.85	15.62	15.46				
Channel										
Frequency (MHz)				18975	18900	19225	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	15.47	15.57	15.58	16.5	0		
15	QPSK	1	37	15.66	15.67	15.52				
15	QPSK	1	74	15.47	15.52	15.44				
15	QPSK	36	0	15.62	15.58	15.48				
15	QPSK	36	20	15.48	15.37	15.40	16.5	0		
15	QPSK	36	39	15.50	15.50	15.40				
15	QPSK	75	0	15.38	15.53	15.36				
15	16QAM	1	0	15.54	15.49	15.61	16.5	0		
15	16QAM	1	37	15.55	15.51	15.52				
15	16QAM	1	74	15.46	15.57	15.41				
15	16QAM	36	0	15.65	15.52	15.46	16.5	0		
15	16QAM	36	20	15.46	15.47	15.42				
15	16QAM	36	39	15.53	15.34	15.40				
15	16QAM	75	0	15.50	15.46	15.32				
15	64QAM	1	0	15.51	15.53	15.44				
15	64QAM	1	37	15.47	15.39	15.40	16.5	0		
15	64QAM	1	74	15.56	15.59	15.45				
15	64QAM	36	0	15.45	15.43	15.39				
15	64QAM	36	20	15.51	15.68	15.39	16.5	0		
15	64QAM	36	39	15.51	15.62	15.47				
15	64QAM	75	0	15.53	15.54	15.38				
Channel										
Frequency (MHz)				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	15.33	15.46	15.51	16.5	0		
10	QPSK	1	25	15.66	15.61	15.55				
10	QPSK	1	49	15.55	15.56	15.53				
10	QPSK	25	0	15.65	15.56	15.50	16.5	0		
10	QPSK	25	12	15.60	15.51	15.52				
10	QPSK	25	49	15.49	15.63	15.48				
10	QPSK	50	0	15.43	15.63	15.50				
10	16QAM	1	0	15.53	15.58	15.50	16.5	0		
10	16QAM	1	25	15.64	15.39	15.38				
10	16QAM	1	49	15.52	15.41	15.54				
10	16QAM	25	0	15.47	15.57	15.46	16.5	0		
10	16QAM	25	12	15.41	15.54	15.57				
10	16QAM	25	49	15.57	15.51	15.52				
10	16QAM	50	0	15.48	15.41	15.32				
10	64QAM	1	0	15.55	15.50	15.30	16.5	0		
10	64QAM	1	25	15.37	15.44	15.45				
10	64QAM	1	49	15.56	15.43	15.46				
10	64QAM	25	0	15.53	15.48	15.49	16.5	0		
10	64QAM	25	12	15.51	15.67	15.40				
10	64QAM	25	49	15.56	15.65	15.51				
10	64QAM	50	0	15.48	15.45	15.42				
Channel										
Frequency (MHz)				18925	18900	19175	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	15.30	15.43	15.51	16.5	0		
5	QPSK	1	12	15.65	15.60	15.47				
5	QPSK	1	24	15.43	15.64	15.52				
5	QPSK	12	0	15.58	15.59	15.49	16.5	0		
5	QPSK	12	7	15.62	15.52	15.39				
5	QPSK	12	13	15.46	15.62	15.46				
5	QPSK	25	0	15.50	15.54	15.42				
5	16QAM	1	0	15.65	15.55	15.53	16.5	0		
5	16QAM	1	12	15.57	15.39	15.30				
5	16QAM	1	24	15.50	15.49	15.50				
5	16QAM	12	0	15.56	15.57	15.57	16.5	0		
5	16QAM	12	7	15.50	15.64	15.44				
5	16QAM	12	13	15.42	15.44	15.41				
5	16QAM	25	0	15.55	15.41	15.37				
5	64QAM	1	0	15.37	15.57	15.29	16.5	0		
5	64QAM	1	12	15.45	15.44	15.39				
5	64QAM	1	24	15.49	15.57	15.45				
5	64QAM	12	0	15.49	15.61	15.52	16.5	0		
5	64QAM	12	7	15.42	15.50	15.39				
5	64QAM	12	13	15.57	15.47	15.45				
5	64QAM	25	0	15.60	15.43	15.43				
Channel										
Frequency (MHz)				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	15.33	15.41	15.41	16.5	0		
3	QPSK	1	8	15.55	15.68	15.44				
3	QPSK	1	14	15.37	15.62	15.45				
3	QPSK	8	0	15.63	15.62	15.52	16.5	0		
3	QPSK	8	4	15.60	15.40	15.40				
3	QPSK	8	15	15.50	15.65	15.36				
3	QPSK	15	0	15.53	15.55	15.34				
3	16QAM	1	0	15.63	15.57	15.45	16.5	0		
3	16QAM	1	8	15.51	15.42	15.49				
3	16QAM	1	14	15.40	15.52	15.47				
3	16QAM	8	0	15.46	15.48	15.39				
3	16QAM	8	4	15.46	15.55	15.46	16.5	0		
3	16QAM	8	7	15.46	15.39	15.33				
3	16QAM	15	0	15.43	15.52	15.40				
3	64QAM	1	0	15.54	15.48	15.44	16.5	0		
3	64QAM	1	8	15.41	15.46	15.45				
3	64QAM	1	14	15.51	15.52	15.44				
3	64QAM	8	0	15.57	15.56	15.44				
3	64QAM	8	4	15.41	15.58	15.45	16.5	0		
3	64QAM	8	7	15.63	15.64	15.45				
3	64QAM	15	0	15.62	15.43	15.48				
Channel										
Frequency (MHz)				18607	18900	19199	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	15.45	15.51	15.55	16.5	0		
1.4	QPSK	1	3	15.56	15.56	15.46				
1.4	QPSK	1	5	15.38	15.57	15.57				
1.4	QPSK	3	0	15.64	15.50	15.43	16.5	0		
1.4	QPSK	3	1	15.48	15.46	15.46				
1.4	QPSK	3	3	15.40	15.58	15.53				
1.4	QPSK	6	0	15.48	15.61	15.48	16.5	0		
1.4	16QAM	1	0	15.48	15.41	15.50				
1.4	16QAM	1	3	15.62	15.43	15.40	16.5	0		
1.4	16QAM	1	5	15.54	15.42	15.49				
1.4	16QAM	3	0	15.53	15.47	15.51				
1.4	16QAM	3	1	15.54	15.52	15.47				
1.4	16QAM	3	3	15.39	15.36	15.43	16.5	0		
1.4	16QAM	6	0	15.46	15.42	15.45				
1.4	16QAM	1	0	15.36	15.59	15.36				
1.4	64QAM	1	3	15.44	15.48	15.47	16.5	0		
1.4	64QAM	1	5	15.55	15.48	15.50				
1.4	64QAM	3	0	15.43	15.42	15.				



### 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							20050	20175	20300		
Frequency (MHz)							1720	1732.5	1745		
20	QPSK	1	0	18.15	18.23	18.33	19.3	0			
20	QPSK	1	49	18.29	18.37	18.43					
20	QPSK	1	99	18.26	18.23	18.36					
20	QPSK	50	0	18.29	18.35	18.29	19.3	0			
20	QPSK	50	50	18.09	18.04	18.17					
20	QPSK	50	50	18.25	18.19	18.25					
20	QPSK	100	0	18.29	18.33	18.30	19.3	0			
20	16QAM	1	0	17.98	18.08	18.17					
20	16QAM	1	49	18.29	18.28	18.32					
20	16QAM	1	99	18.15	18.22	18.18	19.3	0			
20	16QAM	50	0	18.21	18.21	18.15					
20	16QAM	50	24	18.05	18.19	18.25					
20	16QAM	50	50	18.09	18.04	18.17	19.3	0			
20	16QAM	100	0	18.17	18.31	18.14					
20	84QAM	1	0	18.00	18.23	18.31					
20	84QAM	1	49	18.20	18.29	18.26	19.3	0			
20	84QAM	1	99	18.24	18.16	18.28					
20	84QAM	50	0	18.16	18.19	18.17					
20	84QAM	50	24	18.12	18.20	18.08	19.3	0			
20	84QAM	50	50	18.14	18.17	18.11					
20	84QAM	100	0	18.12	18.27	18.29					
Channel							20055	20175	20300		
Frequency (MHz)							1717.5	1732.5	1747.5		
15	QPSK	1	0	18.13	18.04	18.22	19.3	0			
15	QPSK	1	37	18.25	18.26	18.37					
15	QPSK	1	74	18.22	18.16	18.20					
15	QPSK	36	0	18.10	18.22	18.27	19.3	0			
15	QPSK	36	20	17.95	18.22	18.27					
15	QPSK	36	39	18.14	18.09	18.20					
15	QPSK	75	0	18.10	18.30	18.13	19.3	0			
15	16QAM	1	0	17.89	17.91	18.06					
15	16QAM	1	37	18.23	18.15	18.14					
15	16QAM	1	74	18.02	18.05	18.15	19.3	0			
15	16QAM	36	0	18.17	18.17	18.06					
15	16QAM	36	20	17.94	18.07	18.16					
15	16QAM	36	39	18.02	17.90	18.16	19.3	0			
15	16QAM	75	0	18.13	18.13	18.06					
15	84QAM	1	0	17.95	18.05	18.26					
15	84QAM	1	37	18.17	18.26	18.11	19.3	0			
15	84QAM	1	74	18.04	18.15	18.15					
15	84QAM	36	0	18.14	18.19	18.05					
15	84QAM	36	20	18.07	18.12	17.92	19.3	0			
15	84QAM	36	39	18.09	18.12	17.98					
15	84QAM	75	0	18.09	18.04	18.21					
Channel							20060	20175	20350		
Frequency (MHz)							1715	1732.5	1750		
10	QPSK	1	0	17.96	18.04	18.33	19.3	0			
10	QPSK	1	25	18.27	18.30	18.26					
10	QPSK	1	49	18.15	18.14	18.27					
10	QPSK	25	0	18.18	18.28	18.19	19.3	0			
10	QPSK	25	12	18.03	18.05	18.12					
10	QPSK	25	25	18.08	18.02	18.25					
10	QPSK	50	0	18.19	18.19	18.17	19.3	0			
10	16QAM	1	0	17.96	18.05	18.00					
10	16QAM	1	25	18.23	18.09	18.25					
10	16QAM	1	49	18.06	18.05	18.00	19.3	0			
10	16QAM	25	0	18.18	18.04	17.96					
10	16QAM	25	12	17.96	18.12	18.15					
10	16QAM	50	25	17.92	17.92	18.13	19.3	0			
10	16QAM	50	0	18.02	18.27	18.14					
10	84QAM	1	0	17.86	18.19	18.21					
10	84QAM	1	25	18.15	18.26	18.15	19.3	0			
10	84QAM	1	49	18.13	18.12	18.09					
10	84QAM	25	0	18.08	18.02	18.12					
10	84QAM	25	12	18.12	18.18	17.90	19.3	0			
10	84QAM	25	25	18.13	18.17	18.11					
10	84QAM	50	0	18.09	18.07	18.10					
Channel							19975	20175	20375		
Frequency (MHz)							1712.5	1732.5	1752.5		
5	QPSK	1	0	18.09	18.19	18.28	19.3	0			
5	QPSK	1	12	18.29	18.21	18.28					
5	QPSK	1	24	18.15	18.16	18.20					
5	QPSK	12	0	18.10	18.17	18.28	19.3	0			
5	QPSK	12	7	18.02	18.20	18.15					
5	QPSK	12	13	18.09	18.04	18.22					
5	QPSK	25	0	18.27	18.31	18.21	19.3	0			
5	16QAM	1	0	17.91	18.04	18.12					
5	16QAM	1	12	18.28	18.27	18.18					
5	16QAM	1	24	18.00	18.20	18.03	19.3	0			
5	16QAM	12	0	18.16	18.04	17.99					
5	16QAM	12	7	17.92	18.09	18.13					
5	16QAM	12	13	18.06	17.86	18.08	19.3	0			
5	16QAM	25	0	18.15	18.30	17.98					
5	84QAM	1	0	17.95	18.21	18.30					
5	84QAM	1	12	18.15	18.26	18.07	19.3	0			
5	84QAM	1	24	18.13	18.19	18.19					
5	84QAM	12	0	18.00	18.14	17.99					
5	84QAM	12	7	18.00	18.14	17.99	19.3	0			
5	84QAM	12	13	17.95	18.06	18.07					
5	84QAM	25	0	18.06	18.13	18.16					
Channel							19985	20175	20385		
Frequency (MHz)							1711.5	1732.5	1753.5		
3	QPSK	1	0	18.04	18.12	18.23	19.3	0			
3	QPSK	1	8	18.14	18.21	18.29					
3	QPSK	1	14	18.10	18.15	18.20					
3	QPSK	8	0	18.16	18.30	18.11	19.3	0			
3	QPSK	8	4	18.09	18.11	18.28					
3	QPSK	8	7	18.24	18.16	18.15					
3	QPSK	15	0	18.12	18.26	18.14	19.3	0			
3	16QAM	1	0	17.88	17.96	18.00					
3	16QAM	1	8	18.27	18.27	18.28					
3	16QAM	1	14	18.09	18.11	18.13	19.3	0			
3	16QAM	8	0	18.14	18.13	18.08					
3	16QAM	8	4	17.90	18.05	18.10					
3	16QAM	8	7	18.04	17.80	18.07	19.3	0			
3	16QAM	15	0	18.07	18.24	18.12					
3	84QAM	1	0	17.93	18.09	18.23					
3	84QAM	1	8	18.11	18.12	18.23	19.3	0			
3	84QAM	1	14	18.14	18.00	18.21					
3	84QAM	8	0	18.10	18.14	18.15					
3	84QAM	8	4	17.98	18.04	18.08	19.3	0			
3	84QAM	8	7	18.07	17.99	18.03					
3	84QAM	15	0	17.97	18.10	18.13					
Channel							19997	20175	20393		
Frequency (MHz)							1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.04	18.05	18.27	19.3	0			
1.4	QPSK	1	3	18.26	18.29	18.41					
1.4	QPSK	1	5	18.18	18.21	18.18					
1.4	QPSK	3	0	18.11	18.17	18.20	19.3	0			
1.4	QPSK	3	1	18.03	18.22	18.26					
1.4	QPSK	3	3	18.24	18.08	18.16					
1.4	QPSK	6	0	18.18	18.23	18.25	19.3	0			
1.4	16QAM	1	0	17.81	18.05	18.15					
1.4	16QAM	1	3	18.26	18.16	18.27					
1.4	16QAM	1	5	18.15	18.22	18.17	19.3	0			
1.4	16QAM	3	0	18.19	18.11	18.02					
1.4	16QAM	3	1	18.05	18.10	18.16					
1.4	16QAM	3	3	18.06	18.10	18.16	19.3	0			
1.4	16QAM	6	0	18.00	18.27	18.07					
1.4	84QAM	1	0	17.84	18.08	18.29					
1.4	84QAM	1	3	18.09	18.14	18.09	19.3	0			
1.4	84QAM	1	5	18.23	18.16	18.19					
1.4	84QAM	3	0	18.05	18.11	18.06					
1.4	84QAM	3	1	18.09	18.17	18.03	19.3	0			
1.4	84QAM	3	3	18.06	18.10	18.10					
1.4	84QAM	6	0	17.95	18.15	18.17					

### 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							20450	20525	20600		
Frequency (MHz)							829	836.5	844		
10	QPSK	1	0	22.86	22.70	22.61	24	0			
10	QPSK	1	25	22.82	22.88	22.77					
10	QPSK	1	49	22.75	22.86	22.59					
10	QPSK	25	0	22.82	22.85	22.77	24	0			
10	16QAM	25	25	21.97	21.92	21.85					
10	QPSK	25	25	22.67	22.80	22.75					
10	QPSK	50	0	22.85	22.70	22.69	24	0			
10	16QAM	1	0	22.61	22.63	22.44					
10	16QAM	1	25	22.77	22.84	22.75					
10	16QAM	1	49	22.72	22.85	22.56	23	1			
10	16QAM	25	0	22.02	21.85	22.00					
10	16QAM	25	12	21.87	21.95	21.94					
10	16QAM	25	25	21.97	21.92	21.85					



### 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.66	17.78	17.62	18.7	0
20	QPSK	1	49	17.60	17.55	17.76		
20	QPSK	1	99	17.74	17.75	17.64	18.7	0
20	QPSK	50	0	17.72	17.73	17.68		
20	QPSK	50	24	17.68	17.62	17.65	18.7	0
20	QPSK	50	50	17.70	17.69	17.60		
20	QPSK	100	0	17.76	17.80	17.60	18.7	0
20	16QAM	1	0	17.69	17.73	17.60		
20	16QAM	1	49	17.74	17.84	17.62	18.7	0
20	16QAM	1	99	17.78	17.70	17.58		
20	16QAM	50	0	17.74	17.73	17.73	18.7	0
20	16QAM	50	24	17.65	17.77	17.58		
20	16QAM	50	50	17.79	17.84	17.57	18.7	0
20	16QAM	100	0	17.74	17.70	17.63		
20	64QAM	1	0	17.67	17.71	17.69	18.7	0
20	64QAM	1	49	17.77	17.68	17.75		
20	64QAM	1	99	17.62	17.80	17.66	18.7	0
20	64QAM	50	0	17.79	17.67	17.66		
20	64QAM	50	24	17.74	17.77	17.57	18.7	0
20	64QAM	50	50	17.73	17.74	17.66		
20	64QAM	100	0	17.73	17.63	17.71	18.7	0
Channel				20855	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.60	17.64	17.64	18.7	0
15	QPSK	1	37	17.75	17.80	17.63		
15	QPSK	1	74	17.62	17.68	17.45	18.7	0
15	QPSK	36	0	17.60	17.64	17.53		
15	QPSK	36	20	17.52	17.61	17.60	18.7	0
15	QPSK	36	39	17.60	17.64	17.44		
15	QPSK	75	0	17.75	17.67	17.56	18.7	0
15	16QAM	1	0	17.60	17.66	17.51		
15	16QAM	1	37	17.67	17.64	17.63	18.7	0
15	16QAM	1	74	17.70	17.58	17.52		
15	16QAM	36	0	17.58	17.69	17.56	18.7	0
15	16QAM	36	20	17.50	17.67	17.51		
15	16QAM	36	39	17.62	17.66	17.40	18.7	0
15	16QAM	75	0	17.63	17.60	17.63		
15	64QAM	1	0	17.65	17.60	17.69	18.7	0
15	64QAM	1	37	17.65	17.52	17.66		
15	64QAM	1	74	17.48	17.72	17.48	18.7	0
15	64QAM	36	0	17.75	17.60	17.64		
15	64QAM	36	20	17.65	17.76	17.52	18.7	0
15	64QAM	36	39	17.65	17.68	17.52		
15	64QAM	75	0	17.66	17.57	17.57	18.7	0
Channel				20890	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.61	17.74	17.60	18.7	0
10	QPSK	1	25	17.65	17.85	17.63		
10	QPSK	1	49	17.63	17.63	17.47	18.7	0
10	QPSK	25	0	17.65	17.60	17.54		
10	QPSK	25	12	17.66	17.62	17.59	18.7	0
10	QPSK	25	25	17.68	17.50	17.50		
10	QPSK	50	0	17.74	17.71	17.43	18.7	0
10	16QAM	1	0	17.51	17.61	17.57		
10	16QAM	1	25	17.73	17.75	17.52	18.7	0
10	16QAM	1	49	17.59	17.53	17.49		
10	16QAM	25	0	17.73	17.67	17.69	18.7	0
10	16QAM	25	12	17.64	17.77	17.52		
10	16QAM	25	25	17.61	17.72	17.44	18.7	0
10	16QAM	50	0	17.62	17.61	17.56		
10	64QAM	1	0	17.48	17.65	17.53	18.7	0
10	64QAM	1	25	17.58	17.59	17.58		
10	64QAM	1	49	17.53	17.67	17.48	18.7	0
10	64QAM	25	0	17.64	17.56	17.63		
10	64QAM	25	12	17.68	17.58	17.55	18.7	0
10	64QAM	25	25	17.60	17.74	17.60		
10	64QAM	50	0	17.58	17.65	17.71	18.7	0
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.57	17.77	17.57	18.7	0
5	QPSK	1	12	17.73	17.85	17.66		
5	QPSK	1	24	17.74	17.59	17.47	18.7	0
5	QPSK	12	0	17.71	17.63	17.68		
5	QPSK	12	7	17.60	17.57	17.57	18.7	0
5	QPSK	12	13	17.51	17.69	17.50		
5	QPSK	25	0	17.73	17.72	17.41	18.7	0
5	16QAM	1	0	17.50	17.65	17.51		
5	16QAM	1	12	17.62	17.79	17.62	18.7	0
5	16QAM	1	24	17.71	17.53	17.52		
5	16QAM	12	0	17.59	17.61	17.60	18.7	0
5	16QAM	12	7	17.58	17.75	17.55		
5	16QAM	12	13	17.60	17.79	17.57	18.7	0
5	16QAM	25	0	17.71	17.53	17.51		
5	64QAM	1	0	17.55	17.53	17.68	18.7	0
5	64QAM	1	12	17.74	17.58	17.60		
5	64QAM	1	24	17.53	17.80	17.64	18.7	0
5	64QAM	12	0	17.78	17.52	17.57		
5	64QAM	12	7	17.68	17.69	17.56	18.7	0
5	64QAM	12	13	17.58	17.61	17.55		
5	64QAM	25	0	17.62	17.51	17.71	18.7	0

### Band 7\_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.29	18.39	18.45	19.2	0
20	QPSK	1	49	18.47	18.55	18.50		
20	QPSK	1	99	18.34	18.38	18.48	19.2	0
20	QPSK	50	0	18.40	18.42	18.57		
20	QPSK	50	24	18.39	18.20	18.21	19.2	0
20	QPSK	50	50	18.30	18.24	18.32		
20	QPSK	100	0	18.26	18.38	18.23	19.2	0
20	16QAM	1	0	18.19	18.28	18.28		
20	16QAM	1	49	18.43	18.47	18.45	19.2	0
20	16QAM	1	99	18.33	18.28	18.45		
20	16QAM	50	0	18.34	18.28	18.21	19.2	0
20	16QAM	50	24	18.24	18.16	18.15		
20	16QAM	50	50	18.29	18.32	18.10	19.2	0
20	64QAM	1	0	18.18	18.36	18.39		
20	64QAM	1	49	18.41	18.50	18.37	19.2	0
20	64QAM	1	99	18.27	18.31	18.29		
20	64QAM	50	0	18.40	18.34	18.27	19.2	0
20	64QAM	50	24	18.25	18.18	18.20		
20	64QAM	50	50	18.17	18.13	18.26	19.2	0
20	64QAM	100	0	18.11	18.30	18.09		
Channel				20925	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.14	18.22	18.32	19.2	0
15	QPSK	1	37	18.35	18.32	18.38		
15	QPSK	1	74	18.34	18.24	18.41	19.2	0
15	QPSK	36	0	18.39	18.41	18.27		
15	QPSK	36	20	18.28	18.25	18.17	19.2	0
15	QPSK	36	39	18.11	18.24	18.28		
15	QPSK	75	0	18.08	18.24	18.15	19.2	0
15	16QAM	1	0	18.04	18.25	18.26		
15	16QAM	1	37	18.38	18.34	18.38	19.2	0
15	16QAM	1	74	18.27	18.17	18.35		
15	16QAM	36	0	18.26	18.26	18.17	19.2	0
15	16QAM	36	20	18.19	18.01	17.97		
15	16QAM	36	39	18.10	18.04	18.02	19.2	0
15	16QAM	75	0	18.10	18.14	18.01		
15	64QAM	1	0	18.00	18.33	18.29	19.2	0
15	64QAM	1	37	18.39	18.35	18.31		
15	64QAM	1	74	18.14	18.23	18.25	19.2	0
15	64QAM	36	0	19.21	18.29	18.26		
15	64QAM	36	20	18.08	18.05	18.13	19.2	0
15	64QAM	36	39	18.00	18.08	18.25		
15	64QAM	75	0	17.92	18.27	17.98	19.2	0
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.27	18.36	18.35	19.2	0
10	QPSK	1	25	18.30	18.51	18.37		
10	QPSK	1	49	18.32	18.19	18.40	19.2	0
10	QPSK	25	0	18.28	18.33	18.26		
10	QPSK	25	12	18.24	18.26	18.11	19.2	0
10	QPSK	25	25	18.17	18.08	18.22		
10	QPSK	50	0					



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				23230						
Frequency (MHz)				782						
10	QPSK	1	0	23.19			24.4	0		
10	QPSK	1	25	23.25						
10	QPSK	1	49	23.22						
10	QPSK	25	0	22.24			23.4	1		
10	QPSK	25	12	22.22						
10	QPSK	25	25	22.21						
10	QPSK	50	0	22.26						
10	16QAM	1	0	22.41			23.4	1		
10	16QAM	1	25	22.49						
10	16QAM	1	49	22.40						
10	16QAM	25	0	21.26						
10	16QAM	25	12	21.31			22.4	2		
10	16QAM	25	25	21.31						
10	16QAM	50	0	21.25						
10	64QAM	1	0	21.38						
10	64QAM	1	25	21.44			22.4	2		
10	64QAM	1	49	21.43						
10	64QAM	25	0	20.29						
10	64QAM	25	12	20.31						
10	64QAM	25	25	20.31			21.4	3		
10	64QAM	50	0	20.27						
Channel				23205						
Frequency (MHz)				782						
5	QPSK	1	0	22.90	22.82	22.82	24.4	0		
5	QPSK	1	12	22.87	22.96	22.96				
5	QPSK	1	24	23.02	22.87	22.99				
5	QPSK	12	0	21.92	22.00	21.99				
5	QPSK	12	7	21.85	21.87	21.99	23.4	1		
5	QPSK	12	13	21.83	21.94	21.87				
5	QPSK	25	0	21.87	22.04	22.02				
5	16QAM	1	0	22.09	22.03	22.15	23.4	1		
5	16QAM	1	12	22.13	22.17	22.15				
5	16QAM	1	24	22.09	22.05	22.19				
5	16QAM	12	0	20.95	20.88	20.95				
5	16QAM	12	7	21.02	21.01	21.06	22.4	2		
5	16QAM	12	13	20.94	21.05	20.97				
5	16QAM	25	0	21.03	21.00	20.92				
5	64QAM	1	0	21.13	21.05	21.09				
5	64QAM	1	12	21.13	21.15	21.22	22.4	2		
5	64QAM	1	24	21.12	21.12	21.13				
5	64QAM	12	0	20.03	19.99	19.90				
5	64QAM	12	7	20.03	20.03	20.07				
5	64QAM	12	13	20.01	19.97	20.08	21.4	3		
5	64QAM	25	0	19.89	19.88	19.94				

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				23925						
Frequency (MHz)				822.5						
15	QPSK	1	0	22.80			24	0		
15	QPSK	1	37	23.02						
15	QPSK	1	74	22.82						
15	QPSK	36	0	22.96			24	0		
15	QPSK	36	39	22.90						
15	QPSK	75	0	22.94						
15	16QAM	1	0	22.70			24	0		
15	16QAM	1	37	22.87						
15	16QAM	1	74	22.79						
15	16QAM	36	0	22.01						
15	16QAM	36	20	22.03			23	1		
15	16QAM	36	39	21.99						
15	16QAM	75	0	22.01						
15	64QAM	1	0	22.07						
15	64QAM	1	37	22.31			23	1		
15	64QAM	1	74	22.01						
15	64QAM	36	0	21.05						
15	64QAM	36	20	21.09			22	2		
15	64QAM	36	39	21.06						
15	64QAM	75	0	21.03						
Channel				23000						
Frequency (MHz)				820						
10	QPSK	1	0	22.67	22.80	22.62	24	0		
10	QPSK	1	25	22.94	22.88	23.02				
10	QPSK	1	49	22.74	22.76	22.75				
10	QPSK	25	0	22.78	22.79	22.78				
10	QPSK	25	12	22.72	22.83	22.90	24	0		
10	QPSK	25	25	22.89	22.86	22.83				
10	QPSK	50	0	22.94	22.87	22.80				
10	16QAM	1	0	22.70	22.57	22.61	24	0		
10	16QAM	1	25	22.71	22.76	22.71				
10	16QAM	1	49	22.79	22.71	22.66				
10	16QAM	25	0	21.87	21.91	21.89				
10	16QAM	25	12	21.97	21.92	21.87	23	1		
10	16QAM	25	25	21.83	21.99	21.95				
10	16QAM	50	0	21.82	22.00	21.92				
10	64QAM	1	0	21.95	21.86	22.06				
10	64QAM	1	25	22.30	22.23	22.19	23	1		
10	64QAM	1	49	21.98	21.85	21.91				
10	64QAM	25	0	20.98	20.80	20.93				
10	64QAM	25	12	21.00	21.04	20.94	22	2		
10	64QAM	25	25	20.88	21.00	20.93				
10	64QAM	50	0	20.99	20.87	20.91				
Channel				23875						
Frequency (MHz)				817.5						
5	QPSK	1	0	22.75	22.69	22.79	24	0		
5	QPSK	1	12	22.89	22.88	23.02				
5	QPSK	1	24	22.79	22.63	22.81				
5	QPSK	12	0	22.89	22.89	22.78				
5	QPSK	12	7	22.75	22.81	22.75	24	0		
5	QPSK	12	13	22.87	22.84	22.78				
5	QPSK	25	0	22.76	22.87	22.77				
5	16QAM	1	0	22.57	22.56	22.60				
5	16QAM	1	12	22.70	22.74	22.75	24	0		
5	16QAM	1	24	22.71	22.74	22.76				
5	16QAM	12	0	21.73	21.86	21.73				
5	16QAM	12	7	21.88	21.76	21.70	23	1		
5	16QAM	12	13	21.73	21.81	21.76				
5	16QAM	25	0	21.72	21.81	21.80				
5	64QAM	1	0	21.79	21.82	21.93				
5	64QAM	1	12	22.25	22.04	22.01	23	1		
5	64QAM	1	24	21.97	21.79	21.76				
5	64QAM	12	0	20.98	20.84	20.77				
5	64QAM	12	7	20.87	20.93	20.89	22	2		
5	64QAM	12	13	20.86	20.92	20.74				
5	64QAM	25	0	20.97	20.77	20.82				

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				23925						
Frequency (MHz)				822.5						
15	QPSK	1	0	23.56			24.9	0		
15	QPSK	1	37	23.77						
15	QPSK	1	74	23.64						
15	QPSK	36	0	22.77			23.9	1		
15	QPSK	36	20	22.75						
15	QPSK	36	39	22.70						
15	QPSK	75	0	22.73						
15	16QAM	1	0	22.81			23.9	1		
15	16QAM	1	37	22.98						
15	16QAM	1	74	22.82						
15	16QAM	36	0	21.73						
15	16QAM	36	20	21.74			22.9	2		
15	16QAM	36	39	21.74						
15	16QAM	75	0	21.72						
15	64QAM	1	0	21.71						
15	64QAM	1	37	21.94			22.9	2		
15	64QAM	1	74	21.86						
15	64QAM	36	0	20.77						
15	64QAM	36	20	20.79			21.9	3		
15	64QAM	36	39	20.78						
15	64QAM	75	0	20.74						
Channel				23000						
Frequency (MHz)				820						
10	QPSK	1	0	23.46</						



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				24075						
Frequency (MHz)				837.5						
15	QPSK	1	0	22.82			24	0		
15	QPSK	1	37	23.00						
15	QPSK	1	74	22.84			24	0		
15	QPSK	36	0	22.86						
15	QPSK	36	20	22.90			24	0		
15	QPSK	36	39	22.88						
15	QPSK	75	0	22.93			24	0		
15	16QAM	1	0	22.66						
15	16QAM	1	37	22.89			24	0		
15	16QAM	1	74	22.79						
15	16QAM	36	0	22.06			23	1		
15	16QAM	36	20	22.09						
15	16QAM	36	39	22.02			23	1		
15	16QAM	75	0	22.05						
15	64QAM	1	0	22.10			23	1		
15	64QAM	1	37	22.37						
15	64QAM	1	74	22.05			22	2		
15	64QAM	36	0	21.11						
15	64QAM	36	20	21.16			22	2		
15	64QAM	36	39	21.08						
15	64QAM	75	0	21.09						
Channel				24060	24075	24100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	22.73	22.78	22.79	24	0		
10	QPSK	1	25	22.83	22.96	22.94				
10	QPSK	1	49	22.78	22.84	22.83	24	0		
10	QPSK	25	0	22.85	22.80	22.84				
10	QPSK	25	12	22.71	22.88	22.74	24	0		
10	QPSK	25	25	22.72	22.72	22.76				
10	QPSK	50	0	22.88	22.83	22.90	24	0		
10	16QAM	1	0	22.57	22.57	22.50				
10	16QAM	1	25	22.84	22.80	22.74	24	0		
10	16QAM	1	49	22.70	22.71	22.79				
10	16QAM	25	0	22.03	21.92	21.91	23	1		
10	16QAM	25	12	22.08	22.01	21.93				
10	16QAM	25	25	21.86	21.88	21.88	23	1		
10	16QAM	50	0	22.04	21.97	21.97				
10	64QAM	1	0	21.96	22.04	22.09	23	1		
10	64QAM	1	25	22.26	22.22	22.25				
10	64QAM	1	49	21.88	22.04	21.94	22	2		
10	64QAM	25	0	21.11	20.92	21.01				
10	64QAM	25	12	21.15	21.04	21.05	22	2		
10	64QAM	25	25	20.94	20.93	21.00				
10	64QAM	50	0	20.97	21.08	20.97				
Channel				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	22.81	22.63	22.81	24	0		
5	QPSK	1	12	22.98	22.81	22.99				
5	QPSK	1	24	22.78	22.68	22.65	24	0		
5	QPSK	12	0	22.78	22.95	22.79				
5	QPSK	12	7	22.83	22.85	22.84	24	0		
5	QPSK	12	13	22.75	22.83	22.73				
5	QPSK	25	0	22.92	22.87	22.76	24	0		
5	16QAM	1	0	22.48	22.54	22.54				
5	16QAM	1	12	22.78	22.75	22.81	24	0		
5	16QAM	1	24	22.63	22.70	22.67				
5	16QAM	12	0	21.98	22.03	21.92	23	1		
5	16QAM	12	7	22.06	21.93	21.91				
5	16QAM	12	13	21.90	21.91	21.87	23	1		
5	16QAM	25	0	21.99	21.94	21.89				
5	64QAM	1	0	21.94	21.91	21.97	23	1		
5	64QAM	1	12	22.23	22.26	22.26				
5	64QAM	1	24	21.98	22.01	21.94	22	2		
5	64QAM	12	0	20.92	21.07	20.99				
5	64QAM	12	7	21.16	20.97	21.16	22	2		
5	64QAM	12	13	21.04	20.89	21.00				
5	64QAM	25	0	20.97	20.91	21.05				

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				24075						
Frequency (MHz)				837.5						
15	QPSK	1	0	23.61			24.9	0		
15	QPSK	1	37	23.79						
15	QPSK	1	74	23.83			23.9	1		
15	QPSK	36	0	22.88						
15	QPSK	36	20	22.90			23.9	1		
15	QPSK	36	39	22.77						
15	QPSK	75	0	22.78			23.9	1		
15	16QAM	1	0	22.77						
15	16QAM	1	37	23.10			22.9	2		
15	16QAM	1	74	22.80						
15	16QAM	36	0	21.78			22.9	2		
15	16QAM	36	20	21.79						
15	16QAM	36	39	21.71			22.9	2		
15	16QAM	75	0	21.77						
15	64QAM	1	0	21.76			21.9	3		
15	64QAM	1	37	22.12						
15	64QAM	1	74	21.76			21.9	3		
15	64QAM	36	0	20.81						
15	64QAM	36	20	20.83			21.9	3		
15	64QAM	36	39	20.78						
15	64QAM	75	0	20.78						
Channel				24050	24075	24100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.50	23.60	23.45	24.9	0		
10	QPSK	1	25	23.88	23.77	23.68				
10	QPSK	1	49	23.59	23.55	23.62	23.9	1		
10	QPSK	25	0	22.74	22.73	22.85				
10	QPSK	25	12	22.66	22.69	22.74	23.9	1		
10	QPSK	25	25	22.74	22.59	22.59				
10	QPSK	50	0	22.78	22.60	22.65	23.9	1		
10	16QAM	1	0	22.72	22.77	22.68				
10	16QAM	1	25	23.00	22.98	22.93	22.9	2		
10	16QAM	1	49	22.76	22.79	22.64				
10	16QAM	25	0	21.76	21.62	21.75	22.9	2		
10	16QAM	25	12	21.77	21.75	21.72				
10	16QAM	25	25	21.52	21.58	21.52	22.9	2		
10	16QAM	50	0	21.66	21.64	21.65				
10	64QAM	1	0	21.67	21.67	21.65	22.9	2		
10	64QAM	1	25	21.97	21.95	22.04				
10	64QAM	1	49	21.71	21.70	21.65	21.9	3		
10	64QAM	25	0	20.74	20.63	20.63				
10	64QAM	25	12	20.80	20.86	20.80	21.9	3		
10	64QAM	25	25	20.71	20.81	20.76				
10	64QAM	50	0	20.99	20.99	20.72				
Channel				24025	24075	24125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.56	23.52	23.53	24.9	0		
5	QPSK	1	12	23.84	23.75	23.75				
5	QPSK	1	24	23.63	23.63	23.50	23.9	1		
5	QPSK	12	0	22.86	22.69	22.76				
5	QPSK	12	7	22.89	22.83	22.68	23.9	1		
5	QPSK	12	13	22.87	22.72	22.55				
5	QPSK	25	0	22.83	22.75	22.69	23.9	1		
5	16QAM	1	0	22.60	22.61	22.64				
5	16QAM	1	12	23.08	23.04	23.01	22.9	2		
5	16QAM	1	24	22.77	22.76	22.70				
5	16QAM	12	0	21.72	21.65	21.68	22.9	2		
5	16QAM	12	7	21.71	21.76	21.75				
5	16QAM	12	13	21.64	21.59	21.65	22.9	2		
5	16QAM	25	0	21.66	21.77	21.75				
5	64QAM	1	0	21.57	21.65	21.66	21.9	3		
5	64QAM	1	12	22.00	22.06	22.03				
5	64QAM	1	24	21.89	21.72	21.71	21.9	3		
5	64QAM	12	0	20.79	20.81	20.65				
5	64QAM	12	7	20.77	20.79	20.81	21.9	3		
5	64QAM	12	13	20.72	20.74	20.63				
5	64QAM	25	0	20.69	20.60	20.72				

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				26765			26855	26955		
Frequency (MHz)				821.5			831.5	841.5		
15	QPSK	1	0	22.90	23.02	22.82	24	0		
15	QPSK	1	37	23.02	23.10	23.00				
15	QPSK	1	74	22.89	22.95	22.96	24	0		
15	QPSK	36	0	22.80	23.02	22.80				
15	QPSK	36	20	22.84	23.00	22.83	24	0		
15	QPSK	36	39	22.86	22.96	22.85				
15	QPSK	75	0</							





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				26765	26865	26965					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	23.52	23.54	23.58	24.9	0			
15	QPSK	37	0	23.75	23.88	23.83					
15	QPSK	1	74	23.62	23.59	23.67					
15	QPSK	36	0	22.70	22.80	22.78	23.9	1			
15	QPSK	36	39	22.74	22.69	22.71					
15	QPSK	75	0	22.70	22.75	22.72					
15	16QAM	1	0	22.82	22.83	22.85	23.9	1			
15	16QAM	1	37	23.05	23.03	22.98					
15	16QAM	1	74	22.81	22.83	22.90					
15	16QAM	36	0	21.65	21.65	21.73	22.9	2			
15	16QAM	36	20	21.69	21.69	21.74					
15	16QAM	36	39	21.74	21.65	21.67					
15	16QAM	75	0	21.72	21.65	21.75	22.9	2			
15	16QAM	1	0	21.69	21.68	21.77					
15	16QAM	1	37	21.91	21.93	21.87					
15	16QAM	1	74	21.76	21.72	21.79	21.9	3			
15	16QAM	36	0	20.71	20.71	20.81					
15	16QAM	36	20	20.76	20.76	20.77					
15	16QAM	36	39	20.77	20.70	20.69	21.9	3			
15	16QAM	75	0	20.70	20.66	20.75					
Channel				26740	26855	26960					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	23.38	23.37	23.46	24.9	0			
10	QPSK	1	25	23.59	23.79	23.66					
10	QPSK	1	49	23.48	23.59	23.57					
10	QPSK	25	0	22.66	22.73	22.64	23.9	1			
10	QPSK	25	12	22.74	22.55	22.74					
10	QPSK	25	25	22.73	22.56	22.55					
10	QPSK	50	0	22.67	22.69	22.65	23.9	1			
10	16QAM	1	0	22.81	22.80	22.72					
10	16QAM	1	25	22.92	23.03	22.98					
10	16QAM	1	49	22.69	22.77	22.74	22.9	2			
10	16QAM	25	0	21.49	21.46	21.60					
10	16QAM	25	12	21.50	21.61	21.70					
10	16QAM	25	25	21.59	21.55	21.66	22.9	2			
10	16QAM	50	0	21.64	21.61	21.72					
10	16QAM	1	0	21.69	21.52	21.61					
10	16QAM	1	25	21.81	21.82	21.68	22.9	2			
10	16QAM	1	49	21.60	21.65	21.73					
10	16QAM	25	0	20.58	20.52	20.64					
10	16QAM	25	12	20.58	20.64	20.60	21.9	3			
10	16QAM	25	25	20.73	20.60	20.52					
10	16QAM	50	0	20.68	20.52	20.75					
Channel				26715	26865	27015					
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	23.45	23.41	23.51	24.9	0			
5	QPSK	1	12	23.63	23.86	23.83					
5	QPSK	1	24	23.58	23.56	23.58					
5	QPSK	12	0	22.72	22.75	22.76	23.9	1			
5	QPSK	12	7	22.70	22.84	22.82					
5	QPSK	12	13	22.69	22.54	22.69					
5	QPSK	25	0	22.81	22.73	22.61	23.9	1			
5	16QAM	1	0	22.63	22.66	22.74					
5	16QAM	1	12	22.88	22.97	22.92					
5	16QAM	1	24	22.79	22.72	22.84	23.9	1			
5	16QAM	12	0	21.57	21.54	21.66					
5	16QAM	12	7	21.51	21.50	21.68					
5	16QAM	12	13	21.73	21.51	21.50	22.9	2			
5	16QAM	25	0	21.59	21.62	21.64					
5	16QAM	1	0	21.69	21.63	21.71					
5	16QAM	1	12	21.84	21.81	21.85	22.9	2			
5	16QAM	1	24	21.73	21.72	21.62					
5	16QAM	12	0	20.62	20.53	20.66					
5	16QAM	12	7	20.68	20.68	20.64	21.9	3			
5	16QAM	12	13	20.64	20.70	20.61					
5	16QAM	25	0	20.59	20.60	20.75					
Channel				26705	26865	27025					
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	23.48	23.44	23.53	24.9	0			
3	QPSK	1	8	23.57	23.74	23.66					
3	QPSK	1	14	23.46	23.58	23.62					
3	QPSK	8	0	22.72	22.77	22.59	23.9	1			
3	QPSK	8	4	22.55	22.51	22.62					
3	QPSK	8	7	22.65	22.52	22.55					
3	QPSK	15	0	22.67	22.68	22.65	23.9	1			
3	16QAM	1	0	22.69	22.82	22.84					
3	16QAM	1	8	22.91	22.94	22.92					
3	16QAM	1	14	22.83	22.75	22.82	22.9	2			
3	16QAM	8	0	21.48	21.49	21.70					
3	16QAM	8	4	21.55	21.63	21.64					
3	16QAM	8	7	21.61	21.55	21.59	22.9	2			
3	16QAM	15	0	21.53	21.50	21.73					
3	16QAM	1	0	21.64	21.62	21.67					
3	16QAM	1	8	21.87	21.86	21.85	22.9	2			
3	16QAM	1	14	21.71	21.65	21.69					
3	16QAM	8	0	20.68	20.61	20.72					
3	16QAM	8	4	20.65	20.66	20.62	21.9	3			
3	16QAM	8	7	20.61	20.57	20.57					
3	16QAM	15	0	20.66	20.61	20.73					
Channel				26697	26865	27033					
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	23.70	23.66	23.69	24.9	0			
1.4	QPSK	1	3	23.75	23.79	23.73					
1.4	QPSK	1	5	23.72	23.65	23.65					
1.4	QPSK	3	0	23.57	23.48	23.60	23.9	1			
1.4	QPSK	3	1	23.85	23.77	23.71					
1.4	QPSK	3	3	23.61	23.47	23.56					
1.4	QPSK	6	0	22.84	22.71	22.69	23.9	1			
1.4	16QAM	1	0	22.79	22.83	22.80					
1.4	16QAM	1	3	22.99	23.02	22.93					
1.4	16QAM	1	5	22.87	22.85	22.90	23.9	1			
1.4	16QAM	3	0	22.79	22.76	22.74					
1.4	16QAM	3	1	22.90	22.86	22.92					
1.4	16QAM	3	3	22.71	22.79	22.82	22.9	2			
1.4	16QAM	6	0	21.60	21.61	21.62					
1.4	16QAM	1	0	21.66	21.69	21.64					
1.4	16QAM	1	3	21.83	21.75	21.75	22.9	2			
1.4	16QAM	1	5	21.74	21.65	21.67					
1.4	16QAM	3	0	21.63	21.62	21.63					
1.4	16QAM	3	1	21.68	21.56	21.57	21.9	3			
1.4	16QAM	3	3	21.74	21.49	21.60					
1.4	16QAM	6	0	20.59	20.57	20.63					

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				132072	132322	132572					
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	16.71	16.87	16.68	17.5	0			
20	QPSK	1	49	16.85	16.90	16.83					
20	QPSK	1	99	16.71	16.84	16.64					
20	QPSK	50	0	16.92	16.97	16.94	17.5	0			
20	QPSK	50	20	16.86	16.96	16.92					
20	QPSK	50	50	16.73	16.73	16.83					
20	QPSK	100	0	16.75	16.84	16.77	17.5	0			
20	16QAM	1	0	16.74	16.75	16.76					
20	16QAM	1	49	16.84	16.71	16.78					
20	16QAM	1	99	16.73	16.80	16.72	17.5	0			
20	16QAM	50	0	16.78	16.75	16.65					
20	16QAM	50	24	16.67	16.76	16.66					
20	16QAM	50	50	16.86	16.72	16.99	17.5	0			
20	16QAM	100	0	16.76	16.85	16.67					
20	16QAM	1	0	16.79	16.72	16.65					
20	16QAM	1									



Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.60	19.54	19.51	20.5	0	
20	QPSK	1	49	19.52	19.66	19.60			
20	QPSK	1	99	19.45	19.62	19.47			
20	QPSK	50	0	19.55	19.60	19.55			
20	16QAM	50	24	19.46	19.57	19.47			
20	QPSK	50	50	19.51	19.52	19.55	20.5	0	
20	QPSK	100	0	19.44	19.58	19.52			
20	16QAM	1	0	19.56	19.53	19.60	20.5	0	
20	16QAM	1	49	19.55	19.62	19.59			
20	16QAM	1	99	19.49	19.63	19.47			
20	16QAM	50	0	19.47	19.54	19.42			
20	16QAM	50	24	19.55	19.60	19.46	20.5	0	
20	16QAM	100	0	19.55	19.56	19.42			
20	64QAM	1	0	19.58	19.49	19.48			
20	64QAM	1	49	19.45	19.60	19.49	20.5	0	
20	64QAM	1	99	19.57	19.59	19.45			
20	64QAM	50	0	19.48	19.58	19.45	20.5	0	
20	64QAM	50	24	19.54	19.50	19.44			
20	64QAM	50	50	19.56	19.65	19.54			
20	64QAM	100	0	19.46	19.51	19.38			
Channel				37625	38000	38175			
Frequency (MHz)				25725	2595	26125			
15	QPSK	1	0	19.47	19.40	19.35	20.5	0	
15	QPSK	1	37	19.51	19.64	19.52			
15	QPSK	1	74	19.39	19.54	19.46			
15	QPSK	36	0	19.45	19.46	19.40			
15	QPSK	36	20	19.43	19.49	19.46	20.5	0	
15	QPSK	36	39	19.49	19.35	19.43			
15	QPSK	75	0	19.29	19.44	19.36			
15	16QAM	1	0	19.51	19.37	19.45	20.5	0	
15	16QAM	1	37	19.44	19.49	19.41			
15	16QAM	1	74	19.47	19.62	19.40			
15	16QAM	36	0	19.32	19.52	19.29			
15	16QAM	36	20	19.36	19.58	19.34	20.5	0	
15	16QAM	36	39	19.46	19.39	19.38			
15	16QAM	75	0	19.40	19.49	19.24			
15	64QAM	1	0	19.51	19.36	19.30	20.5	0	
15	64QAM	1	37	19.32	19.46	19.35			
15	64QAM	1	74	19.38	19.56	19.38			
15	64QAM	36	0	19.46	19.46	19.32			
15	64QAM	36	20	19.47	19.41	19.41	20.5	0	
15	64QAM	36	39	19.51	19.49	19.36			
15	64QAM	75	0	19.39	19.36	19.53			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.55	19.53	19.44	20.5	0	
10	QPSK	1	25	19.57	19.55	19.42			
10	QPSK	1	49	19.26	19.59	19.40			
10	QPSK	25	0	19.43	19.47	19.43	20.5	0	
10	QPSK	25	19	19.35	19.52	19.40			
10	QPSK	25	25	19.48	19.49	19.50			
10	QPSK	50	0	19.42	19.53	19.43			
10	16QAM	1	0	19.47	19.49	19.58	20.5	0	
10	16QAM	1	25	19.37	19.60	19.48			
10	16QAM	1	49	19.41	19.55	19.36			
10	16QAM	25	0	19.29	19.42	19.41	20.5	0	
10	16QAM	25	12	19.41	19.41	19.33			
10	16QAM	25	25	19.40	19.55	19.33			
10	16QAM	50	0	19.45	19.41	19.39			
10	64QAM	1	0	19.49	19.44	19.34	20.5	0	
10	64QAM	1	25	19.29	19.51	19.49			
10	64QAM	1	49	19.54	19.45	19.39			
10	64QAM	25	0	19.48	19.51	19.43	20.5	0	
10	64QAM	25	12	19.43	19.39	19.38			
10	64QAM	25	25	19.37	19.59	19.47			
10	64QAM	50	0	19.37	19.51	19.43			
Channel				37775	38000	38225			
Frequency (MHz)				25725	2595	26175			
5	QPSK	1	0	19.46	19.44	19.36	20.5	0	
5	QPSK	1	12	19.44	19.60	19.49			
5	QPSK	1	24	19.40	19.58	19.35			
5	QPSK	12	0	19.39	19.45	19.51	20.5	0	
5	QPSK	12	7	19.39	19.50	19.51			
5	QPSK	12	13	19.48	19.41	19.43			
5	QPSK	25	0	19.31	19.40	19.42	20.5	0	
5	16QAM	1	0	19.47	19.46	19.41	20.5	0	
5	16QAM	1	12	19.36	19.57	19.49			
5	16QAM	1	24	19.42	19.47	19.41			
5	16QAM	12	0	19.29	19.39	19.38	20.5	0	
5	16QAM	12	7	19.41	19.43	19.43			
5	16QAM	12	13	19.35	19.57	19.39			
5	16QAM	25	0	19.42	19.46	19.24	20.5	0	
5	64QAM	1	0	19.41	19.40	19.39	20.5	0	
5	64QAM	1	12	19.36	19.57	19.31			
5	64QAM	1	24	19.51	19.47	19.43			
5	64QAM	12	0	19.41	19.56	19.33	20.5	0	
5	64QAM	12	7	19.40	19.36	19.35			
5	64QAM	12	13	19.45	19.57	19.36			
5	64QAM	25	0	19.41	19.48	19.57			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.70	19.72	19.68	20.7	0	
20	QPSK	1	49	19.85	19.89	19.88			
20	QPSK	1	99	19.69	19.70	19.66			
20	QPSK	50	0	19.77	19.80	19.75	20.7	0	
20	16QAM	50	24	19.74	19.75	19.70			
20	QPSK	50	50	19.72	19.75	19.69			
20	QPSK	100	0	19.73	19.83	19.69			
20	16QAM	1	0	19.59	19.72	19.53	20.7	0	
20	16QAM	1	49	19.66	19.82	19.88			
20	16QAM	1	99	19.56	19.69	19.57			
20	16QAM	50	0	19.71	19.66	19.75			
20	16QAM	50	24	19.68	19.72	19.51	20.7	0	
20	16QAM	100	0	19.59	19.81	19.53			
20	64QAM	1	0	19.56	19.56	19.59	20.7	0	
20	64QAM	1	49	19.79	19.75	19.78			
20	64QAM	1	99	19.52	19.54	19.47			
20	64QAM	50	0	19.73	19.68	19.64	20.7	0	
20	64QAM	50	24	19.73	19.58	19.84			
20	64QAM	50	50	19.70	19.73	19.62			
20	64QAM	100	0	19.69	19.70	19.53			
Channel				37625	38000	38175			
Frequency (MHz)				25725	2595	26125			
15	QPSK	1	0	19.62	19.53	19.58	20.7	0	
15	QPSK	1	37	19.78	19.77	19.78			
15	QPSK	1	74	19.54	19.67	19.63			
15	QPSK	36	0	19.58	19.80	19.58			
15	QPSK	36	20	19.55	19.74	19.69	20.7	0	
15	QPSK	36	39	19.59	19.57	19.60			
15	QPSK	75	0	19.63	19.79	19.66			
15	16QAM	1	0	19.41	19.54	19.34	20.7	0	
15	16QAM	1	37	19.56	19.72	19.77			
15	16QAM	1	74	19.50	19.51	19.56			
15	16QAM	36	0	19.62	19.52	19.58			
15	16QAM	36	20	19.52	19.69	19.47	20.7	0	
15	16QAM	36	39	19.53	19.61	19.42			
15	16QAM	75	0	19.57	19.81	19.38			
15	64QAM	1	0	19.41	19.37	19.44	20.7	0	
15	64QAM	1	37	19.69	19.60	19.66			
15	64QAM	1	74	19.48	19.53	19.38			
15	64QAM	36	0	19.65	19.67	19.51	20.7	0	
15	64QAM	36	20	19.61	19.45	19.48			
15	64QAM	36	39	19.64	19.66	19.46			
15	64QAM	75	0	19.51	19.63	19.42			
Channel				37800	38000	38200			



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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	19.54	19.58	19.60	19.42	19.51	20.5	0
20	QPSK	1	49	19.63	19.67	19.72	19.65	19.68		
20	QPSK	1	99	19.42	19.44	19.55	19.49	19.51		
20	QPSK	50	0	19.53	19.52	19.39	19.25	19.52	20.5	0
20	QPSK	50	24	19.49	19.50	19.41	19.47	19.45		
20	QPSK	50	50	19.53	19.45	19.45	19.51	19.48		
20	QPSK	100	0	19.44	19.47	19.54	19.41	19.52	20.5	0
20	16QAM	1	0	19.39	19.45	19.62	19.42	19.53		
20	16QAM	1	49	19.45	19.46	19.45	19.46	19.41		
20	16QAM	1	99	19.54	19.59	19.46	19.37	19.54	20.5	0
20	16QAM	50	0	19.56	19.42	19.46	19.51	19.49		
20	16QAM	50	24	19.55	19.45	19.56	19.40	19.40		
20	16QAM	50	50	19.46	19.58	19.53	19.47	19.47	20.5	0
20	16QAM	100	0	19.42	19.59	19.54	19.46	19.51		
20	16QAM	100	49	19.50	19.43	19.54	19.40	19.40		
20	64QAM	1	0	19.52	19.51	19.51	19.42	19.44	20.5	0
20	64QAM	1	99	19.39	19.55	19.59	19.47	19.53		
20	64QAM	50	0	19.39	19.55	19.59	19.47	19.53		
20	64QAM	50	24	19.50	19.46	19.56	19.38	19.42	20.5	0
20	64QAM	50	50	19.56	19.53	19.60	19.44	19.42		
20	64QAM	100	0	19.53	19.47	19.58	19.32	19.38		
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2568.3	2595	2621.3	2647.5		
15	QPSK	1	0	19.48	19.42	19.41	19.28	19.48	20.5	0
15	QPSK	1	37	19.50	19.51	19.55	19.38	19.56		
15	QPSK	1	74	19.32	19.32	19.52	19.48	19.45		
15	QPSK	36	0	19.49	19.33	19.50	19.47	19.35	20.5	0
15	QPSK	36	20	19.44	19.31	19.35	19.35	19.26		
15	QPSK	36	39	19.45	19.42	19.30	19.40	19.44		
15	QPSK	75	0	19.39	19.46	19.37	19.40	19.40	20.5	0
15	16QAM	1	0	19.23	19.43	19.54	19.38	19.40		
15	16QAM	1	74	19.45	19.41	19.40	19.37	19.25		
15	16QAM	1	74	19.40	19.43	19.46	19.22	19.40	20.5	0
15	16QAM	36	0	19.54	19.31	19.33	19.45	19.31		
15	16QAM	36	20	19.50	19.36	19.51	19.35	19.33		
15	16QAM	36	39	19.36	19.33	19.37	19.28	19.37	20.5	0
15	16QAM	75	0	19.33	19.57	19.38	19.32	19.43		
15	64QAM	1	0	19.39	19.41	19.49	19.45	19.49		
15	64QAM	1	37	19.33	19.26	19.35	19.30	19.26	20.5	0
15	64QAM	1	74	19.41	19.34	19.41	19.28	19.30		
15	64QAM	36	0	19.29	19.55	19.44	19.28	19.42		
15	64QAM	36	20	19.35	19.28	19.46	19.37	19.42	20.5	0
15	64QAM	36	39	19.40	19.47	19.52	19.25	19.36		
15	64QAM	75	0	19.48	19.47	19.47	19.33	19.37		
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	19.41	19.41	19.56	19.24	19.32	20.5	0
10	QPSK	1	25	19.49	19.45	19.62	19.49	19.50		
10	QPSK	1	49	19.30	19.27	19.48	19.31	19.45		
10	QPSK	25	0	19.42	19.52	19.52	19.38	19.41	20.5	0
10	QPSK	25	12	19.40	19.40	19.36	19.31	19.31		
10	QPSK	25	25	19.42	19.40	19.41	19.47	19.45		
10	QPSK	50	0	19.35	19.28	19.36	19.41	19.37	20.5	0
10	16QAM	1	0	19.27	19.33	19.55	19.35	19.51		
10	16QAM	1	25	19.44	19.37	19.37	19.40	19.38		
10	16QAM	1	49	19.39	19.51	19.45	19.28	19.42	20.5	0
10	16QAM	25	0	19.47	19.25	19.40	19.45	19.44		
10	16QAM	25	12	19.49	19.45	19.56	19.24	19.23		
10	16QAM	25	25	19.42	19.38	19.42	19.44	19.27	20.5	0
10	16QAM	50	0	19.36	19.57	19.51	19.41	19.32		
10	64QAM	1	0	19.42	19.49	19.43	19.46	19.36		
10	64QAM	1	25	19.38	19.39	19.49	19.27	19.36	20.5	0
10	64QAM	1	49	19.47	19.35	19.49	19.38	19.44		
10	64QAM	25	0	19.31	19.54	19.55	19.37	19.53		
10	64QAM	25	12	19.49	19.33	19.48	19.21	19.28	20.5	0
10	64QAM	25	25	19.49	19.45	19.51	19.41	19.40		
10	64QAM	50	0	19.47	19.28	19.47	19.33	19.41		
Channel				40065	40353	40640	40923	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2568.3	2595	2623.30	2652.5		
5	QPSK	1	0	19.61	19.41	19.42	19.25	19.60	20.5	0
5	QPSK	1	12	19.53	19.56	19.49	19.38	19.45		
5	QPSK	1	24	19.34	19.32	19.47	19.48	19.47		
5	QPSK	12	0	19.34	19.38	19.51	19.45	19.33	20.5	0
5	QPSK	12	7	19.41	19.31	19.34	19.43	19.28		
5	QPSK	12	13	19.36	19.36	19.38	19.41	19.35		
5	QPSK	25	0	19.25	19.39	19.42	19.35	19.41	20.5	0
5	16QAM	1	0	19.27	19.42	19.47	19.29	19.48		
5	16QAM	1	12	19.28	19.28	19.30	19.45	19.36		
5	16QAM	1	24	19.54	19.51	19.35	19.23	19.39	20.5	0
5	16QAM	12	0	19.37	19.28	19.44	19.42	19.38		
5	16QAM	12	7	19.42	19.39	19.43	19.24	19.29		
5	16QAM	12	13	19.48	19.32	19.49	19.41	19.32	20.5	0
5	16QAM	25	0	19.43	19.46	19.47	19.46	19.41		
5	64QAM	1	0	19.38	19.42	19.52	19.43	19.32		
5	64QAM	1	12	19.46	19.38	19.36	19.29	19.22	20.5	0
5	64QAM	1	24	19.35	19.39	19.42	19.33	19.33		
5	64QAM	12	0	19.36	19.40	19.42	19.45	19.52		
5	64QAM	12	7	19.38	19.40	19.50	19.28	19.28	20.5	0
5	64QAM	12	13	19.41	19.44	19.60	19.33	19.28		
5	64QAM	25	0	19.50	19.33	19.57	19.44	19.39		

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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	19.86	19.86	19.93	19.88	19.84	20.7	0
20	QPSK	1	49	19.90	19.99	20.00	19.96	19.95		
20	QPSK	1	99	19.78	19.93	19.89	19.81	19.76		
20	QPSK	50	0	19.93	19.95	19.96	19.92	19.91	20.7	0
20	QPSK	50	24	19.76	19.85	19.81	19.90	19.84		
20	QPSK	50	50	19.72	19.84	19.90	19.85	19.79		
20	QPSK	100	0	19.74	19.86	19.93	19.90	19.82	20.7	0
20	16QAM	1	0	19.70	19.80	19.89	19.84	19.82		
20	16QAM	1	49	19.90	19.92	19.81	19.82	19.83		
20	16QAM	1	99	19.70	19.88	19.76	19.65	19.73	20.7	0
20	16QAM	50	0	19.70	19.79	19.94	19.82	19.79		
20	16QAM	50	24	19.68	19.83	19.65	19.84	19.74		
20	16QAM	50	50	19.66	19.74	19.90	19.79	19.66	20.7	0
20	16QAM	100	0	19.62	19.84	19.85	19.74	19.64		
20	64QAM	1	0	19.77	19.86	19.84	19.84	19.73		
20	64QAM	1	49	19.85	19.88	19.92	19.82	19.82	20.7	0
20	64QAM	1	99	19.59	19.83	19.85	19.68	19.68		
20	64QAM	50	0	19.79	19.84	19.83	19.91	19.91		
20	64QAM	50	24	19.68	19.81	19.79	19.76	19.82	20.7	0
20	64QAM	50	50	19.70	19.77	19.71	19.73	19.78		
20	64QAM	100	0	19.37	19.31	19.31	19.38	19.37		
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2568.3	2595	2621.3	2647.5		
15	QPSK	1	0	19.85	19.79	19.92	19.79	19.79	20.7	0
15	QPSK	1	37							



### Reduced Power Mode for DSIS

GSM850_Ant 13	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)		
	128	189	251	Limit		128	189	251	Limit			
TX Channel	128	189	251	Limit	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	852.2	853.4	853.8	852.2	853.4	853.8	852.2	853.4	853.8	852.2	853.4	853.8
GSM 1 Tx slot	29.48	29.50	29.40	<b>30.50</b>	29.48	29.50	29.40	29.40	29.50	29.40	29.50	21.50
GPRS 1 Tx slot	28.53	28.55	28.50	<b>30.50</b>	28.53	28.55	28.50	28.50	28.50	28.50	21.50	21.50
GPRS 2 Tx slots	27.45	27.50	27.42	<b>28.50</b>	27.45	27.50	27.42	21.42	21.42	21.42	22.50	22.50
GPRS 3 Tx slots	25.38	25.42	25.38	<b>26.50</b>	25.38	25.42	25.38	21.12	21.16	21.10	22.24	22.24
GPRS 4 Tx slots	23.88	23.96	23.85	<b>25.00</b>	23.88	23.96	23.85	20.88	20.96	20.85	22.00	22.00
EDGE(GMSK) 1 Tx slot	29.40	29.37	29.47	<b>30.50</b>	29.40	29.37	29.47	20.45	20.45	21.50	21.50	21.50
EDGE(GMSK) 2 Tx slots	27.37	27.31	27.40	<b>28.50</b>	27.37	27.31	27.40	21.40	21.40	22.50	22.50	22.50
EDGE(GMSK) 3 Tx slots	25.29	25.36	25.21	<b>26.50</b>	25.29	25.36	25.21	21.03	21.10	20.95	22.24	22.24
EDGE(GMSK) 4 Tx slots	23.81	23.94	23.70	<b>25.00</b>	23.81	23.94	23.70	20.81	20.94	20.70	22.00	22.00
EDGE(BPSK) 1 Tx slot	26.72	26.82	26.91	<b>28.00</b>	26.72	26.82	26.91	17.72	17.82	17.91	19.00	19.00
EDGE(BPSK) 2 Tx slots	24.73	24.84	24.64	<b>26.00</b>	24.73	24.84	24.64	18.73	18.84	18.64	20.00	20.00
EDGE(BPSK) 3 Tx slots	23.22	23.49	23.48	<b>24.00</b>	23.22	23.49	23.48	18.96	19.23	19.22	19.74	19.74
EDGE(BPSK) 4 Tx slots	22.01	22.00	22.03	<b>22.00</b>	22.01	22.00	22.03	19.01	19.00	19.03	19.50	19.50

GSM1900_Ant 13	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)		
	512	661	810	Limit		512	661	810	Limit			
TX Channel	512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td></td></td></td></td>	661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td></td></td></td>	810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td></td></td>	Limit	512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td></td>	661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td>	810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td>	Limit	512 <td>661 <td>810 <td>Limit</td> </td></td>	661 <td>810 <td>Limit</td> </td>	810 <td>Limit</td>	Limit
Frequency (MHz)	1850.2	1850.0	1850.8	1850.2	1850.0	1850.8	1850.2	1850.0	1850.8	1850.2	1850.0	1850.8
GSM 1 Tx slot	21.52	21.56	21.54	<b>22.50</b>	21.52	21.56	21.54	12.52	12.56	12.54	13.50	13.50
GPRS 1 Tx slot	21.51	21.54	21.56	<b>22.50</b>	21.51	21.54	21.56	12.51	12.54	12.56	13.50	13.50
GPRS 2 Tx slots	20.06	20.13	20.10	<b>20.50</b>	20.06	20.13	20.10	14.13	14.10	14.10	14.50	14.50
GPRS 3 Tx slots	18.02	18.13	18.10	<b>18.00</b>	18.02	18.13	18.10	13.76	13.87	13.84	14.54	14.54
GPRS 4 Tx slots	16.49	16.60	16.55	<b>17.30</b>	16.49	16.60	16.55	13.49	13.60	13.55	14.54	14.54
EDGE(GMSK) 1 Tx slot	21.30	21.51	21.49	<b>22.50</b>	21.30	21.51	21.49	12.51	12.49	12.49	13.50	13.50
EDGE(GMSK) 2 Tx slots	19.79	19.83	19.82	<b>20.50</b>	19.79	19.83	19.82	13.79	13.83	13.82	14.50	14.50
EDGE(GMSK) 3 Tx slots	17.83	17.90	17.71	<b>18.00</b>	17.83	17.90	17.71	13.87	13.95	13.85	14.54	14.54
EDGE(GMSK) 4 Tx slots	16.22	16.31	16.29	<b>17.30</b>	16.22	16.31	16.29	13.22	13.31	13.29	14.50	14.50
EDGE(BPSK) 1 Tx slot	21.75	21.80	21.69	<b>22.50</b>	21.75	21.80	21.69	12.75	12.80	12.69	13.50	13.50
EDGE(BPSK) 2 Tx slots	19.65	19.70	19.62	<b>20.50</b>	19.65	19.70	19.62	13.65	13.70	13.62	14.50	14.50
EDGE(BPSK) 3 Tx slots	17.69	17.77	17.72	<b>18.50</b>	17.69	17.77	17.72	13.43	13.51	13.46	14.24	14.24
EDGE(BPSK) 4 Tx slots	15.96	16.00	15.90	<b>17.00</b>	15.96	16.00	15.90	12.96	13.00	12.90	14.00	14.00

Band	TX Channel	WCDMA R_Ant 13			Tune-up Limit (dBm)	WCDMA B_Ant 31			Tune-up Limit (dBm)	
		9262	9400	9538		9262	9400	9538		
3GPP Rel 99	AMR 12.2kops	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99	RMC 12.2kops	13.97	13.00	13.94	15.00	23.11	23.17	23.17	23.17	24.30
3GPP Rel 6	HSDPA Subtest-1	12.96	13.00	13.07	14.00	22.18	22.26	22.23	22.30	23.30
3GPP Rel 6	HSDPA Subtest-2	12.97	13.04	12.86	14.00	22.11	22.17	22.16	22.30	23.30
3GPP Rel 6	HSDPA Subtest-3	12.48	12.40	12.50	13.50	21.58	21.72	21.65	22.80	22.80
3GPP Rel 6	HSDPA Subtest-4	12.39	12.45	12.31	13.50	21.57	21.61	21.60	22.80	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	12.97	13.15	13.20	14.00	22.51	22.58	22.55	23.30	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	12.98	13.02	13.05	14.00	22.47	22.50	22.50	23.30	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	12.29	12.54	12.70	13.50	21.97	22.00	21.98	22.80	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	12.28	12.41	12.55	13.50	21.93	21.98	21.93	22.80	22.80
3GPP Rel 6	HSUPA Subtest-1	12.03	12.25	12.01	12.80	21.20	21.32	21.26	22.10	22.10
3GPP Rel 6	HSUPA Subtest-2	11.93	12.03	12.05	12.80	21.19	21.29	21.20	22.10	22.10
3GPP Rel 6	HSUPA Subtest-3	13.07	13.15	13.10	13.80	22.21	22.29	22.22	23.10	23.10
3GPP Rel 6	HSUPA Subtest-4	11.56	11.57	11.67	12.30	20.71	20.91	20.80	21.80	21.80
3GPP Rel 6	HSUPA Subtest-5	12.92	12.91	13.04	13.80	22.10	22.20	22.20	23.10	23.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.55	11.69	11.57	12.80	20.77	20.82	20.79	22.10	22.10

Band	TX Channel	WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)	
		4132	4182	4233		4132	4182	4233		
3GPP Rel 99	AMR 12.2kops	4357	4407	4458	4357	4407	4458	4357	4407	4458
3GPP Rel 99	RMC 12.2kops	20.99	20.97	20.94	22.00	23.53	23.54	23.51	24.90	24.90
3GPP Rel 6	HSDPA Subtest-1	19.95	19.92	20.02	21.00	22.58	22.57	22.66	23.90	23.90
3GPP Rel 6	HSDPA Subtest-2	19.84	19.97	19.68	21.00	22.54	22.53	22.49	23.90	23.90
3GPP Rel 6	HSDPA Subtest-3	19.51	19.54	19.14	20.00	22.12	22.03	22.08	23.40	23.40
3GPP Rel 6	HSDPA Subtest-4	19.33	19.52	19.38	20.50	22.10	22.02	22.06	23.40	23.40
3GPP Rel 6	DC-HSDPA Subtest-1	20.10	20.01	20.14	21.00	22.62	22.68	22.66	23.90	23.90
3GPP Rel 6	DC-HSDPA Subtest-2	20.05	20.02	20.05	21.00	22.60	22.63	22.63	23.90	23.90
3GPP Rel 6	DC-HSDPA Subtest-3	19.47	19.63	19.56	20.50	22.08	22.13	22.10	23.40	23.40
3GPP Rel 6	DC-HSDPA Subtest-4	19.38	19.53	19.54	20.50	22.04	22.09	22.07	23.40	23.40
3GPP Rel 6	HSUPA Subtest-1	18.96	18.97	18.91	19.80	21.83	21.71	21.65	22.70	22.70
3GPP Rel 6	HSUPA Subtest-2	18.93	19.87	18.85	19.80	21.55	21.66	21.61	22.70	22.70
3GPP Rel 6	HSUPA Subtest-3	19.82	19.94	19.90	20.80	22.31	22.65	22.64	23.70	23.70
3GPP Rel 6	HSUPA Subtest-4	18.52	18.38	18.44	19.30	21.08	21.16	21.13	22.20	22.20
3GPP Rel 6	HSUPA Subtest-5	19.89	20.00	19.83	20.80	22.48	22.50	22.50	23.70	23.70
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.45	18.29	18.28	19.80	20.99	21.06	21.03	22.70	22.70

GSM850_Ant 31	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)		
	128	189	251	Limit		128	189	251	Limit			
TX Channel	128	189	251	Limit	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	852.2	853.4	853.8	852.2	853.4	853.8	852.2	853.4	853.8	852.2	853.4	853.8
GSM 1 Tx slot	32.15	32.17	32.01	<b>33.40</b>	32.15	32.17	32.01	31.40	31.40	31.40	23.01	24.40
GPRS 1 Tx slot	32.16	32.20	32.05	<b>33.40</b>	32.16	32.20	32.05	31.40	31.40	31.40	23.05	24.40
GPRS 2 Tx slots	30.87	30.89	30.79	<b>31.40</b>	30.87	30.89	30.79	28.40	28.47	28.40	24.79	25.40
GPRS 3 Tx slots	28.67	28.70	28.56	<b>29.40</b>	28.67	28.70	28.56	24.41	24.44	24.40	24.30	25.14
GPRS 4 Tx slots	27.09	27.13	27.01	<b>27.90</b>	27.09	27.13	27.01	24.09	24.13	24.01	24.90	24.90
EDGE(GMSK) 1 Tx slot	32.16	32.15	31.82	<b>33.40</b>	32.16	32.15	31.82	23.16	23.15	23.92	24.40	24.40
EDGE(GMSK) 2 Tx slots	30.99	31.01	30.99	<b>31.40</b>	30.99	31.01	30.99	24.99	25.01	25.01	24.93	25.40
EDGE(GMSK) 3 Tx slots	28.50	28.70	28.46	<b>29.40</b>	28.50	28.70	28.46	24.24	24.44	24.20	25.14	25.14
EDGE(GMSK) 4 Tx slots	27.16	27.18	27.06	<b>27.90</b>	27.16	27.18	27.06	24.16	24.18	24.06	24.90	24.90
EDGE(BPSK) 1 Tx slot	27.12	27.38	27.39	<b>27.90</b>	27.12	27.38	27.39	18.12	18.38	18.39	18.90	18.90
EDGE(BPSK) 2 Tx slots	25.40	25.42	25.38	<b>26.90</b>	25.40	25.42	25.38	19.40	19.42	19.38	19.90	19.90
EDGE(BPSK) 3 Tx slots	23.40	23.33	23.38	<b>23.90</b>	23.40	23.33	23.38	19.14	19.07	19.12	19.64	19.64
EDGE(BPSK) 4 Tx slots	21.90	22.04	21.96	<b>22.40</b>	21.90	22.04	21.96	18.90	18.94	18.96	19.40	19.40

GSM1900_Ant 31	Burst Average Power (dBm)				Tune-up Limit (dBm
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### 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							18700	18900	19100
Frequency (MHz)							1860	1880	1900
20	QPSK	1	0	14.17	14.22	14.12	15	0	
20	QPSK	1	49	14.19	14.25	14.21			
20	QPSK	1	99	14.16	14.13	14.02	15	0	
20	QPSK	50	0	14.15	14.22	14.17			
20	QPSK	50	50	14.12	14.20	14.16	15	0	
20	QPSK	50	50	14.15	14.07	14.05			
20	QPSK	100	0	14.06	14.19	14.15	15	0	
20	16QAM	1	0	14.15	14.11	14.03			
20	16QAM	1	49	14.16	14.12	14.24	15	0	
20	16QAM	1	99	14.18	14.24	14.17			
20	16QAM	50	0	14.15	14.14	14.22	15	0	
20	16QAM	50	24	14.21	14.09	14.09			
20	16QAM	50	50	14.12	14.20	14.16	15	0	
20	16QAM	100	0	14.23	14.21	14.15			
20	64QAM	1	0	14.15	14.20	14.20	15	0	
20	64QAM	1	49	14.20	14.13	14.13			
20	64QAM	1	99	14.15	14.23	14.23	15	0	
20	64QAM	50	0	14.18	14.06	14.25			
20	64QAM	50	24	14.24	14.17	14.17	15	0	
20	64QAM	50	50	14.18	14.13	14.13			
20	64QAM	100	0	14.03	14.07	14.05	15	0	
Channel									18975
Frequency (MHz)							18975	18980	19025
15	QPSK	1	0	14.00	14.07	14.00	15	0	
15	QPSK	1	37	14.07	14.09	14.05			
15	QPSK	1	74	13.97	13.99	13.83	15	0	
15	QPSK	36	0	14.07	14.14	14.10			
15	QPSK	36	20	14.00	14.03	14.02	15	0	
15	QPSK	36	39	14.07	13.94	13.85			
15	QPSK	75	0	13.91	14.07	14.06	15	0	
15	16QAM	1	0	13.95	13.90	13.82			
15	16QAM	1	37	14.01	13.98	14.11	15	0	
15	16QAM	1	74	14.00	14.06	14.04			
15	16QAM	36	0	13.98	13.96	14.02	15	0	
15	16QAM	36	20	14.03	13.94	13.95			
15	16QAM	36	39	13.95	14.05	13.96	15	0	
15	16QAM	75	0	14.09	14.02	14.03			
15	64QAM	1	0	13.97	14.02	14.11	15	0	
15	64QAM	1	37	14.08	13.96	13.95			
15	64QAM	1	74	13.95	14.07	14.09	15	0	
15	64QAM	36	0	14.01	13.89	14.04			
15	64QAM	36	20	14.07	13.97	14.08	15	0	
15	64QAM	36	39	14.00	14.02	13.96			
15	64QAM	75	0	13.92	13.92	13.86	15	0	
Channel									18850
Frequency (MHz)							1885	1880	1905
10	QPSK	1	0	14.01	14.03	13.98	15	0	
10	QPSK	1	25	14.01	14.04	14.00			
10	QPSK	1	49	13.98	13.98	13.87	15	0	
10	QPSK	25	0	14.02	14.10	14.05			
10	QPSK	25	12	14.05	14.03	13.89	15	0	
10	QPSK	25	25	14.02	13.92	13.88			
10	QPSK	50	0	13.92	14.08	14.08	15	0	
10	16QAM	1	0	14.04	13.94	13.87			
10	16QAM	1	25	14.02	13.99	14.10	15	0	
10	16QAM	1	49	14.05	14.07	14.04			
10	16QAM	25	0	14.00	14.00	14.08	15	0	
10	16QAM	25	12	14.09	13.96	13.93			
10	16QAM	25	25	13.98	14.06	13.92	15	0	
10	16QAM	50	0	14.13	14.03	13.96			
10	64QAM	1	0	14.01	14.09	14.05	15	0	
10	64QAM	1	25	14.10	13.96	14.01			
10	64QAM	1	49	14.00	14.05	14.10	15	0	
10	64QAM	25	0	14.01	13.85	14.16			
10	64QAM	25	12	14.07	14.02	13.98	15	0	
10	64QAM	25	25	14.05	13.95	13.96			
10	64QAM	50	0	13.95	13.95	13.88	15	0	
Channel									18925
Frequency (MHz)							18925	18920	18975
5	QPSK	1	0	13.95	14.05	13.95	15	0	
5	QPSK	1	12	14.08	14.08	14.07			
5	QPSK	1	24	14.02	14.01	13.90	15	0	
5	QPSK	12	0	14.04	14.12	14.06			
5	QPSK	12	7	14.02	14.07	13.99	15	0	
5	QPSK	12	13	14.04	13.87	13.85			
5	QPSK	25	0	13.89	14.13	14.02	15	0	
5	16QAM	1	0	13.98	13.97	13.87			
5	16QAM	1	12	14.03	13.98	14.01	15	0	
5	16QAM	1	24	14.09	14.13	13.98			
5	16QAM	12	0	14.00	14.02	14.07	15	0	
5	16QAM	12	7	14.07	13.93	13.98			
5	16QAM	12	13	13.96	14.04	14.04	15	0	
5	16QAM	25	0	14.09	14.06	14.01			
5	64QAM	1	0	13.99	14.01	14.08	15	0	
5	64QAM	1	12	14.01	13.96	14.01			
5	64QAM	1	24	14.01	13.99	14.08	15	0	
5	64QAM	12	0	14.05	13.98	14.09			
5	64QAM	12	7	14.10	13.99	14.01	15	0	
5	64QAM	12	13	14.01	13.93	13.94			
5	64QAM	25	0	13.92	13.83	13.83	15	0	
Channel									18615
Frequency (MHz)							18515	1880	19085
3	QPSK	1	0	13.98	14.08	13.97	15	0	
3	QPSK	1	8	14.05	14.08	14.01			
3	QPSK	1	14	14.04	13.94	13.88	15	0	
3	QPSK	8	0	14.04	14.11	14.10			
3	QPSK	8	4	14.05	14.06	14.02	15	0	
3	QPSK	8	7	14.00	13.92	13.90			
3	QPSK	15	0	13.87	14.09	14.03	15	0	
3	16QAM	1	0	13.98	13.96	13.85			
3	16QAM	1	8	13.99	13.95	14.07	15	0	
3	16QAM	1	14	14.03	14.10	14.04			
3	16QAM	8	0	13.98	13.94	14.02	15	0	
3	16QAM	8	4	13.99	13.92	13.94			
3	16QAM	8	7	13.95	14.04	13.93	15	0	
3	16QAM	15	0	14.06	14.10	14.01			
3	64QAM	1	0	14.03	14.03	14.02	15	0	
3	64QAM	1	8	14.01	13.91	13.98			
3	64QAM	1	14	13.95	14.05	14.08	15	0	
3	64QAM	8	0	14.05	13.94	14.11			
3	64QAM	8	4	14.06	13.99	13.97	15	0	
3	64QAM	8	7	13.96	14.02	13.98			
3	64QAM	15	0	13.84	13.91	13.83	15	0	
Channel									18607
Frequency (MHz)							18607	1890	19193
1.4	QPSK	1	0	13.89	14.04	13.98	15	0	
1.4	QPSK	1	3	14.08	14.10	14.07			
1.4	QPSK	1	5	14.02	13.97	13.83	15	0	
1.4	QPSK	3	0	14.04	14.10	14.06			
1.4	QPSK	3	1	14.04	14.07	14.02	15	0	
1.4	QPSK	3	3	13.97	13.92	13.91			
1.4	QPSK	6	0	13.91	14.09	14.03	15	0	
1.4	16QAM	1	0	13.96	14.00	13.81			
1.4	16QAM	1	3	13.89	13.96	13.84	15	0	
1.4	16QAM	1	5	14.01	14.11	13.99			
1.4	16QAM	3	0	14.03	14.03	14.05	15	0	
1.4	16QAM	3	1	14.06	13.93	13.96			
1.4	16QAM	3	3	13.95	14.10	13.96	15	0	
1.4	16QAM	6	0	14.10	14.03	13.96			
1.4	64QAM	1	0	13.99	14.01	14.06	15	0	
1.4	64QAM	1	3	14.07	13.99	13.95			
1.4	64QAM	1	5	13.97	14.09	14.05	15	0	
1.4	64QAM	3	0	14.02	13.83	14.10			
1.4	64QAM	3	1	14.07	14.01	14.00	15	0	
1.4	64QAM	3	3	14.07	14.02	13.99			
1.4	64QAM	6	0	13.95	13.94	13.87	15	0	

### 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							18700	18900	19100
Frequency (MHz)							1860	1880	1900
20	QPSK	1	0	23.14	23.16	23.10	24.3	0	
20	QPSK	1	49	23.21	23.33	23.32			
20	QPSK	1	99	23.05	23.11	23.08	23.3	1	
20	QPSK	50	0	22.23	22.35	22.31			
20	QPSK	50	50	21.22	21.15	21.23	23.3	1	
20	QPSK	50	50	22.22	22.17	22.22			
20	QPSK	100	0	22.22	22.26	22.22	23.3	1	
20	16QAM	1	0	22.36	22.45	22.40			
20	16QAM	1	49	22.55	22.60	22.60	23.3	1	
20</									



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				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	23.04	23.10	23.12	24.3	0			
20	QPSK	1	49	23.27	23.33	23.30					
20	QPSK	1	99	23.11	23.12	23.10					
20	QPSK	50	0	22.30	22.34	22.30	23.3	1			
20	QPSK	50	50	22.29	22.30	22.30					
20	QPSK	50	50	22.21	22.31	22.20					
20	QPSK	100	0	22.28	22.30	22.25					
20	16QAM	1	0	22.31	22.44	22.38	23.3	1			
20	16QAM	1	49	22.60	22.62	22.58					
20	16QAM	1	99	22.24	22.21	22.16					
20	16QAM	50	0	21.32	21.26	21.25					
20	16QAM	50	24	21.24	21.28	21.30	22.3	2			
20	16QAM	50	50	21.22	21.28	21.26					
20	16QAM	100	0	21.24	21.25	21.22					
20	64QAM	1	0	21.24	21.34	21.39					
20	64QAM	1	49	21.42	21.45	21.51	22.3	2			
20	64QAM	1	99	21.14	21.06	21.13					
20	64QAM	50	0	20.30	20.24	20.24					
20	64QAM	50	24	20.27	20.29	20.28					
20	64QAM	50	50	20.17	20.27	20.23	21.3	3			
20	64QAM	100	0	20.25	20.27	20.20					
Channel				20050	20175	20300					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	22.94	22.96	22.93	24.3	0			
15	QPSK	1	37	23.12	23.16	23.19					
15	QPSK	1	74	22.85	22.74	22.90					
15	QPSK	36	0	22.29	22.32	22.29					
15	QPSK	36	20	22.10	22.18	22.28	23.3	1			
15	QPSK	36	39	22.20	22.31	22.24					
15	QPSK	75	0	22.12	22.28	22.09					
15	16QAM	1	0	22.14	22.44	22.25	23.3	1			
15	16QAM	1	37	22.53	22.45	22.43					
15	16QAM	1	74	22.24	22.17	22.08					
15	16QAM	36	0	21.32	21.12	21.07					
15	16QAM	36	20	21.05	21.15	21.14	22.3	2			
15	16QAM	36	39	21.03	21.09	21.21					
15	16QAM	75	0	21.12	21.14	21.13					
15	64QAM	1	0	21.12	21.16	21.32	22.3	2			
15	64QAM	1	37	21.35	21.31	21.43					
15	64QAM	1	74	21.06	20.98	20.98					
15	64QAM	36	0	20.13	20.06	20.06	21.3	3			
15	64QAM	36	20	20.08	20.20	20.15					
15	64QAM	36	39	19.99	20.20	20.12					
15	64QAM	75	0	20.06	20.19	20.06					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	22.96	22.95	23.01	24.3	0			
10	QPSK	1	25	23.08	23.27	23.19					
10	QPSK	1	49	22.91	22.85	22.97					
10	QPSK	25	0	22.28	22.19	22.27					
10	QPSK	25	12	22.12	22.19	22.30	23.3	1			
10	QPSK	25	25	22.19	22.28	22.22					
10	QPSK	50	0	22.11	22.21	22.12					
10	16QAM	1	0	22.19	22.43	22.31	23.3	1			
10	16QAM	1	25	22.43	22.61	22.55					
10	16QAM	1	49	22.07	22.09	22.04					
10	16QAM	25	0	21.15	21.23	21.21					
10	16QAM	25	12	21.09	21.17	21.16	22.3	2			
10	16QAM	25	25	21.12	21.18	21.25					
10	16QAM	50	0	21.11	21.08	21.16					
10	64QAM	1	0	21.10	21.26	21.34					
10	64QAM	1	25	21.37	21.31	21.35	22.3	2			
10	64QAM	1	49	20.96	20.99	21.03					
10	64QAM	25	0	20.27	20.22	20.05					
10	64QAM	25	12	20.14	20.11	20.24	21.3	3			
10	64QAM	25	25	20.12	20.23	20.16					
10	64QAM	50	0	20.11	20.18	20.08					
Channel				19975	20175	20375					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	22.91	23.09	23.07	24.3	0			
5	QPSK	1	12	23.14	23.17	23.14					
5	QPSK	1	24	22.92	22.74	22.79					
5	QPSK	12	0	22.17	22.28	22.17					
5	QPSK	12	7	22.22	22.22	22.17	23.3	1			
5	QPSK	12	13	22.08	22.27	22.24					
5	QPSK	25	0	22.21	22.16	22.07					
5	16QAM	1	0	22.12	22.32	22.29	23.3	1			
5	16QAM	1	12	22.46	22.32	22.41					
5	16QAM	1	24	22.21	22.11	22.08					
5	16QAM	12	0	21.13	21.15	21.16					
5	16QAM	12	7	21.17	21.23	21.15	22.3	2			
5	16QAM	12	13	21.10	21.15	21.20					
5	16QAM	25	0	21.05	21.06	21.18					
5	64QAM	1	0	21.21	21.15	21.21					
5	64QAM	1	12	21.42	21.30	21.36	22.3	2			
5	64QAM	1	24	21.08	20.89	20.92					
5	64QAM	12	0	20.17	20.06	20.15					
5	64QAM	12	7	20.08	20.17	20.12	21.3	3			
5	64QAM	12	13	20.14	20.21	20.11					
5	64QAM	25	0	20.18	20.21	20.17					
Channel				19955	20175	20393					
Frequency (MHz)				1710.5	1732.5	1754.5					
3	QPSK	1	0	22.99	22.94	23.00	24.3	0			
3	QPSK	1	8	23.19	23.27	23.27					
3	QPSK	1	14	22.78	22.91	22.94					
3	QPSK	8	0	22.26	22.29	22.13					
3	QPSK	8	4	22.07	22.26	22.14	23.3	1			
3	QPSK	8	7	22.21	22.19	22.13					
3	QPSK	15	0	22.16	22.29	22.06					
3	16QAM	1	0	22.31	22.27	22.31	23.3	1			
3	16QAM	1	8	22.49	22.54	22.48					
3	16QAM	1	14	22.15	22.15	22.16					
3	16QAM	8	0	21.18	21.17	21.11					
3	16QAM	8	4	21.17	21.21	21.20	22.3	2			
3	16QAM	8	7	21.14	21.11	21.10					
3	16QAM	15	0	21.10	21.10	21.21					
3	64QAM	1	0	21.05	21.15	21.37	22.3	2			
3	64QAM	1	8	21.28	21.45	21.33					
3	64QAM	1	14	21.03	20.87	20.95					
3	64QAM	8	0	20.21	20.13	20.05					
3	64QAM	8	4	20.12	20.17	20.16	21.3	3			
3	64QAM	8	7	19.98	20.13	20.10					
3	64QAM	15	0	20.11	20.20	20.04					
Channel				19957	20175	20393					
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	23.02	22.95	23.07	24.3	0			
1.4	QPSK	1	3	23.11	23.16	23.12					
1.4	QPSK	1	5	22.93	22.90	22.95					
1.4	QPSK	3	0	22.87	22.82	23.05					
1.4	QPSK	3	1	23.02	23.08	22.96	23.3	1			
1.4	QPSK	3	3	22.82	22.81	22.95					
1.4	QPSK	6	0	22.25	22.14	22.11					
1.4	16QAM	1	0	22.42	22.38	22.40	23.3	1			
1.4	16QAM	1	3	22.56	22.56	22.56					
1.4	16QAM	1	5	22.29	22.30	22.33					
1.4	16QAM	3	0	22.31	22.32	22.25	21.3	3			
1.4	16QAM	3	1	22.56	22.41	22.39					
1.4	16QAM	3	3	22.28	22.30	22.28					
1.4	16QAM	6	0	21.08	21.18	21.10	22.3	2			
1.4	64QAM	1	0	21.30	21.33						



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				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	17.37	17.46	17.40	18.2	0		
20	QPSK	1	49	17.45	17.50	17.42				
20	QPSK	1	99	17.36	17.31	17.40				
20	QPSK	50	0	17.36	17.47	17.42	18.2	0		
20	16QAM	50	24	17.36	17.45	17.32				
20	QPSK	50	50	17.28	17.45	17.32				
20	QPSK	100	0	17.41	17.45	17.35	18.2	0		
20	16QAM	1	0	17.38	17.45	17.40				
20	16QAM	1	49	17.37	17.43	17.36				
20	16QAM	1	99	17.36	17.41	17.26	18.2	0		
20	16QAM	50	0	17.43	17.31	17.26				
20	16QAM	50	24	17.28	17.44	17.29				
20	16QAM	50	50	17.36	17.44	17.32	18.2	0		
20	16QAM	100	0	17.41	17.37	17.34				
20	84QAM	1	0	17.42	17.43	17.28				
20	84QAM	1	49	17.34	17.31	17.30	18.2	0		
20	84QAM	1	99	17.30	17.45	17.41				
20	84QAM	50	0	17.30	17.44	17.36				
20	84QAM	50	24	17.27	17.37	17.24	18.2	0		
20	84QAM	50	50	17.33	17.35	17.25				
20	84QAM	100	0	17.31	17.37	17.41				
Channel				2507.5	2535	2572.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2572.5				
15	QPSK	1	0	17.20	17.37	17.28	18.2	0		
15	QPSK	1	37	17.35	17.36	17.42				
15	QPSK	1	74	17.21	17.27	17.24				
15	QPSK	36	0	17.36	17.46	17.41	18.2	0		
15	QPSK	36	20	17.25	17.25	17.24				
15	QPSK	36	39	17.24	17.27	17.18				
15	QPSK	75	0	17.37	17.40	17.17	18.2	0		
15	16QAM	1	0	17.34	17.28	17.32				
15	16QAM	1	37	17.21	17.27	17.19				
15	16QAM	1	74	17.23	17.23	17.20	18.2	0		
15	16QAM	36	0	17.31	17.28	17.18				
15	16QAM	36	20	17.11	17.42	17.19				
15	16QAM	36	39	17.20	17.41	17.24	18.2	0		
15	16QAM	75	0	17.33	17.18	17.25				
15	84QAM	1	0	17.26	17.42	17.17				
15	84QAM	1	37	17.20	17.21	17.18	18.2	0		
15	84QAM	1	74	17.27	17.44	17.25				
15	84QAM	36	0	17.14	17.35	17.18				
15	84QAM	36	20	17.27	17.27	17.22	18.2	0		
15	84QAM	36	39	17.25	17.32	17.20				
15	84QAM	75	0	17.18	17.27	17.28				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	17.22	17.32	17.29	18.2	0		
10	QPSK	1	25	17.27	17.46	17.35				
10	QPSK	1	49	17.24	17.16	17.22				
10	QPSK	25	0	17.22	17.47	17.33	18.2	0		
10	QPSK	25	12	17.16	17.36	17.22				
10	QPSK	25	25	17.28	17.39	17.24				
10	QPSK	50	0	17.39	17.38	17.21	18.2	0		
10	16QAM	1	0	17.30	17.39	17.24				
10	16QAM	1	25	17.24	17.36	17.31				
10	16QAM	1	49	17.23	17.35	17.23	18.2	0		
10	16QAM	25	0	17.38	17.17	17.23				
10	16QAM	25	12	17.16	17.31	17.15				
10	16QAM	25	25	17.36	17.35	17.18	18.2	0		
10	16QAM	50	0	17.32	17.36	17.22				
10	84QAM	1	0	17.24	17.26	17.26				
10	84QAM	1	25	17.31	17.16	17.30	18.2	0		
10	84QAM	1	49	17.23	17.37	17.35				
10	84QAM	25	0	17.16	17.35	17.29				
10	84QAM	25	12	17.17	17.32	17.20	18.2	0		
10	84QAM	25	25	17.16	17.29	17.15				
10	84QAM	50	0	17.18	17.21	17.45				
Channel				2507.5	2535	2572.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2572.5				
5	QPSK	1	0	17.37	17.32	17.21	18.2	0		
5	QPSK	1	12	17.31	17.48	17.23				
5	QPSK	1	24	17.28	17.24	17.36				
5	QPSK	12	0	17.33	17.33	17.35	18.2	0		
5	QPSK	12	7	17.32	17.40	17.19				
5	QPSK	12	13	17.09	17.33	17.16				
5	QPSK	25	0	17.22	17.26	17.31	18.2	0		
5	16QAM	1	0	17.21	17.34	17.35				
5	16QAM	1	12	17.37	17.33	17.30				
5	16QAM	1	24	17.27	17.31	17.15	18.2	0		
5	16QAM	12	0	17.31	17.25	17.09				
5	16QAM	12	7	17.14	17.41	17.18				
5	16QAM	12	13	17.27	17.36	17.21	18.2	0		
5	16QAM	25	0	17.24	17.18	17.19				
5	84QAM	1	0	17.23	17.38	17.09				
5	84QAM	1	12	17.17	17.13	17.26	18.2	0		
5	84QAM	1	24	17.23	17.35	17.31				
5	84QAM	12	0	17.24	17.25	17.30				
5	84QAM	12	7	17.16	17.20	17.18	18.2	0		
5	84QAM	12	13	17.19	17.18	17.22				
5	84QAM	25	0	17.31	17.28	17.40				

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				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.30	23.27	23.33	24.2	0		
20	QPSK	1	49	23.45	23.52	23.50				
20	QPSK	1	99	23.29	23.33	23.45				
20	QPSK	50	0	23.33	22.50	22.47	23.2	1		
20	QPSK	50	24	23.29	23.32	23.32				
20	QPSK	50	50	22.26	22.37	22.37				
20	QPSK	100	0	22.40	22.63	22.62	23.2	1		
20	16QAM	1	0	22.34	22.32	22.45				
20	16QAM	1	49	22.52	22.64	22.60				
20	16QAM	1	99	22.39	22.54	22.57	22.2	2		
20	16QAM	50	0	21.20	21.35	21.30				
20	16QAM	50	24	21.39	21.51	21.50				
20	16QAM	50	50	21.29	21.32	21.45	22.2	2		
20	16QAM	100	0	21.25	21.37	21.42				
20	84QAM	1	0	21.38	21.30	21.49				
20	84QAM	1	49	21.42	21.59	21.55	22.2	2		
20	84QAM	1	99	21.33	21.52	21.60				
20	84QAM	50	0	20.26	20.34	20.40				
20	84QAM	50	24	20.30	20.35	20.42	21.2	3		
20	84QAM	50	50	20.27	20.34	20.45				
20	84QAM	100	0	20.20	20.38	20.41				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2572.5				
15	QPSK	1	0	23.24	23.13	23.23	24.2	0		
15	QPSK	1	37	23.27	23.37	23.49				
15	QPSK	1	74	23.19	23.23	23.35				
15	QPSK	36	0	22.24	22.46	22.41	23.2	1		
15	QPSK	36	20	22.23	22.17	22.22				
15	QPSK	36	39	22.16	22.23	22.28				
15	QPSK	75	0	22.33	22.44	22.61	23.2	1		
15	16QAM	1	0	22.33	22.18	22.35				
15	16QAM	1	37	22.44	22.63	22.54				
15	16QAM	1	74	22.34	22.46	22.54	22.2	2		
15	16QAM	36	0	21.11	21.31	21.30				
15	16QAM	36	20	21.36	21.51	21.34				
15	16QAM	36	39	21.26	21.15	21.41	22.2	2		
15	16QAM	75	0	21.14	21.27	21.41				
15	84QAM	1	0	21.21	21.19	21.34				
15	84QAM	1	37	21.27	21.56	21.54	22.2	2		
15	84QAM	1	74	21.19	21.39	21.52				
15	84QAM	36	0	20.16	20.10	20.22				



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				23230			782					
10	QPSK	1	0	23.19			24.4	0				
10	QPSK	1	25	23.25								
10	QPSK	1	49	23.22			23.4	1				
10	QPSK	25	0	22.24								
10	QPSK	25	12	22.22			23.4	1				
10	QPSK	25	25	22.21								
10	QPSK	50	0	22.26			23.4	1				
10	16QAM	1	0	22.41								
10	16QAM	1	25	22.49			22.4	2				
10	16QAM	1	49	22.40								
10	16QAM	25	0	21.26			22.4	2				
10	16QAM	25	12	21.31								
10	16QAM	25	25	21.31			22.4	2				
10	16QAM	50	0	21.25								
10	64QAM	1	0	21.38			22.4	2				
10	64QAM	1	25	21.44								
10	64QAM	1	49	21.43			21.4	3				
10	64QAM	25	0	20.29								
10	64QAM	25	12	20.31			21.4	3				
10	64QAM	25	25	20.31								
10	64QAM	50	0	20.27								
Channel				23205			23250		23265			
Frequency (MHz)				778.5			782		784.5		Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.90	22.82	22.82	24.4	0				
5	QPSK	1	12	22.87	22.96	22.96						
5	QPSK	1	24	23.02	22.87	22.99	23.4	1				
5	QPSK	12	0	21.92	22.60	21.99						
5	QPSK	12	7	21.85	21.87	21.99	23.4	1				
5	QPSK	12	13	21.83	21.94	21.87						
5	QPSK	25	0	21.87	22.04	22.02	22.4	2				
5	16QAM	1	0	22.09	22.03	22.15						
5	16QAM	1	12	22.13	22.17	22.15	22.4	2				
5	16QAM	1	24	22.09	22.05	22.19						
5	16QAM	12	0	20.95	20.88	20.95	21.4	3				
5	16QAM	12	7	21.02	21.01	21.06						
5	16QAM	12	13	20.94	21.05	20.97	21.4	3				
5	16QAM	25	0	21.03	21.00	20.92						
5	64QAM	1	0	21.13	21.05	21.09	21.4	3				
5	64QAM	1	12	21.13	21.15	21.22						
5	64QAM	1	24	21.12	21.12	21.13						
5	64QAM	12	0	20.03	19.99	19.90						
5	64QAM	12	7	20.03	20.03	20.07						
5	64QAM	12	13	20.01	19.97	20.08						
5	64QAM	25	0	19.89	19.88	19.94						

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				23925			822.5					
Frequency (MHz)				820			822.5		825			
15	QPSK	1	0	21.00			22	0				
15	QPSK	1	37	21.15								
15	QPSK	1	74	20.96			22	0				
15	QPSK	36	0	21.07								
15	QPSK	36	20	21.05			22	0				
15	QPSK	36	39	20.96								
15	QPSK	75	0	21.06			22	0				
15	16QAM	1	0	21.07								
15	16QAM	1	37	20.97			22	0				
15	16QAM	1	74	20.97								
15	16QAM	36	0	20.96			22	0				
15	16QAM	36	20	21.08								
15	16QAM	36	39	21.00			22	0				
15	16QAM	75	0	21.05								
15	64QAM	1	0	21.06			22	0				
15	64QAM	1	37	21.12								
15	64QAM	1	74	21.14			22	0				
15	64QAM	36	0	21.05								
15	64QAM	36	20	21.09			22	0				
15	64QAM	36	39	21.06								
15	64QAM	75	0	21.03								
Channel				23900			23925		23950			
Frequency (MHz)				820			822.5		825		Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.98	21.07	21.05	22	0				
10	QPSK	1	25	20.98	21.09	21.07						
10	QPSK	1	49	21.15	21.09	20.98	22	0				
10	QPSK	25	0	21.04	21.06	20.99						
10	QPSK	25	12	21.05	21.04	21.05	22	0				
10	QPSK	25	25	20.97	21.01	21.10						
10	QPSK	50	0	20.99	21.04	21.15	22	0				
10	16QAM	1	0	20.99	21.14	21.07						
10	16QAM	1	25	21.00	21.04	20.99	22	0				
10	16QAM	1	49	20.97	20.98	21.04						
10	16QAM	25	0	21.07	20.97	21.05	22	0				
10	16QAM	25	12	21.07	21.13	21.10						
10	16QAM	25	25	21.07	21.02	21.11	22	0				
10	16QAM	50	0	21.06	21.02	21.08						
10	64QAM	1	0	21.12	21.02	21.11	22	0				
10	64QAM	1	25	20.99	21.08	21.01						
10	64QAM	1	49	21.06	20.96	21.01	22	0				
10	64QAM	25	0	20.98	20.99	20.93						
10	64QAM	25	12	21.00	21.04	20.94	22	0				
10	64QAM	25	25	20.88	21.00	20.93						
10	64QAM	50	0	20.99	20.87	20.91						
Channel				23875			23925		23975			
Frequency (MHz)				817.5			822.5		827.5		Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.04	21.07	21.01	22	0				
5	QPSK	1	12	21.11	21.12	20.99						
5	QPSK	1	24	21.14	20.98	21.11	22	0				
5	QPSK	12	0	21.09	20.97	21.07						
5	QPSK	12	7	21.12	21.12	21.11	22	0				
5	QPSK	12	13	21.10	21.13	20.98						
5	QPSK	25	0	21.08	20.98	21.11	22	0				
5	16QAM	1	0	21.07	20.96	21.15						
5	16QAM	1	12	21.04	21.07	21.14	22	0				
5	16QAM	1	24	21.05	20.96	21.15						
5	16QAM	12	0	21.05	21.14	21.06	22	0				
5	16QAM	12	7	21.07	21.03	21.00						
5	16QAM	12	13	21.04	21.15	20.96	22	0				
5	16QAM	25	0	21.00	21.08	21.13						
5	64QAM	1	0	21.12	21.06	21.07	22	0				
5	64QAM	1	12	21.13	21.01	20.99						
5	64QAM	1	24	21.07	21.03	21.05	22	0				
5	64QAM	12	0	20.88	20.84	20.77						
5	64QAM	12	7	20.87	20.93	20.89	22	0				
5	64QAM	12	13	20.86	20.92	20.74						
5	64QAM	25	0	20.97	20.77	20.82						

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				23925			822.5					
Frequency (MHz)				820			822.5		825			
15	QPSK	1	0	23.56			24.9	0				
15	QPSK	1	37	23.77								
15	QPSK	1	74	23.64			23.9	1				
15	QPSK	36	0	22.77								
15	QPSK	36	20	22.75			23.9	1				
15	QPSK	36	39	22.70								
15	QPSK	75	0	22.73			23.9	1				
15	16QAM	1	0	22.81								
15	16QAM	1	37	22.98			22.9	2				
15	16QAM	1	74	22.82								
15	16QAM	36	0	21.73			22.9	2				
15	16QAM	36	20	21.74								
15	16QAM	36	39	21.74			22.9	2				
15	16QAM	75	0	21.72								
15	64QAM	1	0	21.71			22.9	2				
15	64QAM	1	37	21.94								
15	64QAM	1	74	21.86			21.9	3				
15	64QAM	36	0	20.77								
15	64QAM	36	20	20.79			21.9	3				
15	64QAM	36	39	20.78								
15	64QAM	75	0	20.74								
Channel				23900			23925		23950			
Frequency (MHz)				820			822.5		825		Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.48	23.48	23.49	24.9	0				
10	QPSK	1	25	23.70	23.69	23.68						
10	QPSK	1	49	23.59	23.52	23.57	23.9	1				
10	QPSK	25	0	22.76	22.77	22.76						
10	QPSK	25	12	22.59	22.58	22.72	23.9	1				
10	QPSK	25	25	22.65	22.72	22.58						
10	QPSK	50	0	22.54	22.55	22.64	23.9	1				
10	16QAM	1	0	22.65	22.67	22						





### 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							24075	
Frequency (MHz)							837.5	
15	QPSK	1	0	21.15			22	0
15	QPSK	1	37	21.20				
15	QPSK	1	74	21.03			22	0
15	QPSK	36	0	21.18				
15	QPSK	36	39	21.17			22	0
15	QPSK	75	0	21.15				
15	16QAM	1	0	21.02			22	0
15	16QAM	1	37	21.17				
15	16QAM	1	74	21.12			22	0
15	16QAM	36	0	21.16				
15	16QAM	36	20	21.13			22	0
15	16QAM	36	39	21.03				
15	16QAM	75	0	21.11			22	0
15	64QAM	1	0	21.05				
15	64QAM	1	37	21.14			22	0
15	64QAM	1	74	21.19				
15	64QAM	36	0	21.11			22	0
15	64QAM	36	20	21.16				
15	64QAM	36	39	21.08			22	0
15	64QAM	75	0	21.09				
Channel							24050	24100
Frequency (MHz)							835	840
10	QPSK	1	0	21.12	21.19	21.17	22	0
10	QPSK	1	25	21.10	21.04	21.06		
10	QPSK	1	49	21.19	21.18	21.02	22	0
10	QPSK	25	0	21.01	21.09	21.15		
10	QPSK	25	12	21.06	21.19	21.15	22	0
10	QPSK	25	25	21.07	21.15	21.09		
10	QPSK	50	0	21.06	21.18	21.12	22	0
10	16QAM	1	0	21.03	21.11	21.14		
10	16QAM	1	25	21.11	21.11	21.18	22	0
10	16QAM	1	49	21.15	21.12	21.05		
10	16QAM	25	0	21.15	21.16	21.04	22	0
10	16QAM	25	12	21.17	21.11	21.04		
10	16QAM	25	25	21.08	21.15	21.10	22	0
10	16QAM	50	0	21.09	21.13	21.01		
10	64QAM	1	0	21.04	21.19	21.09	22	0
10	64QAM	1	25	21.11	21.19	21.19		
10	64QAM	1	49	21.09	21.20	21.08	22	0
10	64QAM	25	0	21.11	20.92	21.01		
10	64QAM	25	12	21.15	21.04	21.05	22	0
10	64QAM	25	25	20.94	20.93	21.00		
10	64QAM	50	0	20.97	21.08	20.97		
Channel							24025	24075
Frequency (MHz)							832.5	842.5
5	QPSK	1	0	21.14	21.12	21.04	22	0
5	QPSK	1	12	21.10	21.11	21.04		
5	QPSK	1	24	21.02	21.19	21.01	22	0
5	QPSK	12	0	21.13	21.05	21.05		
5	QPSK	12	7	21.16	21.11	21.17	22	0
5	QPSK	12	13	21.04	21.03	21.11		
5	QPSK	25	0	21.06	21.11	21.17	22	0
5	16QAM	1	0	21.04	21.09	21.02		
5	16QAM	1	12	21.20	21.19	21.16	22	0
5	16QAM	1	24	21.20	21.15	21.10		
5	16QAM	12	0	21.07	21.20	21.13	22	0
5	16QAM	12	7	21.17	21.08	21.14		
5	16QAM	12	13	21.18	21.07	21.17	22	0
5	16QAM	25	0	21.12	21.11	21.17		
5	64QAM	1	0	21.09	21.10	21.04	22	0
5	64QAM	1	12	21.09	21.08	21.04		
5	64QAM	1	24	21.04	21.11	21.12	22	0
5	64QAM	12	0	20.92	21.07	20.99		
5	64QAM	12	7	21.16	20.97	21.16	22	0
5	64QAM	12	13	21.04	20.89	21.00		
5	64QAM	25	0	20.97	20.81	21.05		

### 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							24075	
Frequency (MHz)							837.5	
15	QPSK	1	0	23.61			24.9	0
15	QPSK	1	37	23.79				
15	QPSK	1	74	23.63			23.9	1
15	QPSK	36	0	22.88				
15	QPSK	36	39	22.80			23.9	1
15	QPSK	75	0	22.78				
15	16QAM	1	0	22.77			23.9	1
15	16QAM	1	37	23.10				
15	16QAM	1	74	22.80			22.9	2
15	16QAM	36	0	21.78				
15	16QAM	36	20	21.79			22.9	2
15	16QAM	36	39	21.71				
15	16QAM	75	0	21.77			22.9	2
15	64QAM	1	0	21.76				
15	64QAM	1	37	22.12			22.9	2
15	64QAM	1	74	21.76				
15	64QAM	36	0	20.81			21.9	3
15	64QAM	36	20	20.83				
15	64QAM	36	39	20.78			21.9	3
15	64QAM	75	0	20.78				
Channel							24050	24100
Frequency (MHz)							835	840
10	QPSK	1	0	23.50	23.60	23.45	24.9	0
10	QPSK	1	25	23.68	23.77	23.68		
10	QPSK	1	49	23.59	23.55	23.62	23.9	1
10	QPSK	25	0	22.74	22.73	22.85		
10	QPSK	25	12	22.66	22.69	22.74	23.9	1
10	QPSK	25	25	22.74	22.59	22.59		
10	QPSK	50	0	22.78	22.60	22.65	23.9	1
10	16QAM	1	0	22.72	22.77	22.68		
10	16QAM	1	25	23.00	22.98	22.93	22.9	2
10	16QAM	1	49	22.76	22.70	22.64		
10	16QAM	25	0	21.78	21.62	21.75	22.9	2
10	16QAM	25	12	21.77	21.75	21.72		
10	16QAM	25	25	21.52	21.58	21.52	22.9	2
10	16QAM	50	0	21.66	21.64	21.65		
10	64QAM	1	0	21.67	21.67	21.65	22.9	2
10	64QAM	1	25	21.97	21.95	22.04		
10	64QAM	1	49	21.71	21.70	21.65	21.9	3
10	64QAM	25	0	20.74	20.63	20.63		
10	64QAM	25	12	20.80	20.66	20.80	21.9	3
10	64QAM	25	25	20.71	20.61	20.76		
10	64QAM	50	0	20.59	20.59	20.72		
Channel							24025	24075
Frequency (MHz)							832.5	842.5
5	QPSK	1	0	23.56	23.52	23.53	24.9	0
5	QPSK	1	12	23.64	23.75	23.75		
5	QPSK	1	24	23.63	23.63	23.50	23.9	1
5	QPSK	12	0	22.86	22.69	22.78		
5	QPSK	12	7	22.68	22.63	22.68	23.9	1
5	QPSK	12	13	22.87	22.72	22.85		
5	QPSK	25	0	22.63	22.75	22.69	23.9	1
5	16QAM	1	0	22.60	22.61	22.64		
5	16QAM	1	12	23.08	23.04	23.01	22.9	2
5	16QAM	1	24	22.77	22.76	22.70		
5	16QAM	12	0	21.72	21.65	21.68	22.9	2
5	16QAM	12	7	21.71	21.78	21.75		
5	16QAM	12	13	21.64	21.58	21.65	22.9	2
5	16QAM	25	0	21.86	21.77	21.75		
5	64QAM	1	0	21.57	21.65	21.68	22.9	2
5	64QAM	1	12	22.00	22.06	22.03		
5	64QAM	1	24	21.69	21.72	21.71	21.9	3
5	64QAM	12	0	20.79	20.81	20.65		
5	64QAM	12	7	20.77	20.79	20.81	21.9	3
5	64QAM	12	13	20.72	20.74	20.63		
5	64QAM	25	0	20.69	20.60	20.72		

### 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							26785	26885
Frequency (MHz)							821.5	831.5
15	QPSK	1	0	21.19	21.25	21.25	22	0
15	QPSK	1	37	21.27	21.30	21.25		
15	QPSK	1	74	21.12	21.29	21.21	22	0
15	QPSK	36	0	21.18	21.25	21.20		
15	QPSK	36	39	21.25	21.24	21.19	22	0
15	QPSK	75	0	21.10	21.13	21.15		
15	16QAM	1	0	21.20	21.23	21.10	22	0
15	16QAM	1	37	21.09	21.15	21.10		
15	16QAM	1	74	21.08	21.29	21.09	22	0
15	16QAM	36	0	21.21	21.27	21.11		
15	16QAM	36	20	21.17	21.13	21.13	22	0
15	16QAM	36	39	21.20	21.23	21.08		
15	16QAM	75	0	21.16	21.11	21.20	22	0
15	64QAM	1	0	21.10	21.15	21.24		
15	64QAM	1	37	21.21	21.25	21.25	22	0
15	64QAM	1	74	21.23	21.14	21.20		
15	64QAM	36						



### 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)				26785	26885	26985		
Frequency (MHz)				8215	8315	8415		
15	QPSK	1	0	23.52	23.54	23.58	24.9	0
15	QPSK	1	37	23.75	23.88	23.83		
15	QPSK	1	74	23.62	23.59	23.67		
15	QPSK	36	0	22.79	22.80	22.78		
15	QPSK	36	39	21.74	21.85	21.77	23.9	1
15	QPSK	36	39	22.74	22.67	22.71		
15	QPSK	75	0	22.70	22.75	22.72		
15	16QAM	1	0	22.82	22.83	22.85		
15	16QAM	1	37	23.05	23.03	22.98	23.9	1
15	16QAM	1	74	22.81	22.83	22.90		
15	16QAM	36	0	21.65	21.65	21.73		
15	16QAM	36	20	21.69	21.69	21.74	22.9	2
15	16QAM	36	39	21.60	21.65	21.73		
15	16QAM	75	0	21.72	21.65	21.75		
15	64QAM	1	0	21.69	21.68	21.77		
15	64QAM	1	37	21.91	21.93	21.87	22.9	2
15	64QAM	1	74	21.76	21.72	21.79		
15	64QAM	36	0	20.71	20.71	20.81		
15	64QAM	36	20	20.76	20.76	20.77	21.9	3
15	64QAM	36	39	20.77	20.70	20.69		
15	64QAM	75	0	20.70	20.68	20.75		
Channel								
Frequency (MHz)				8170	8265	8360		
Frequency (MHz)				8170	8315	8460		
10	QPSK	1	0	23.38	23.37	23.46	24.9	0
10	QPSK	1	25	23.59	23.79	23.66		
10	QPSK	1	49	23.48	23.59	23.57		
10	QPSK	25	0	22.66	22.73	22.64		
10	QPSK	25	12	22.74	22.55	22.74	23.9	1
10	QPSK	25	25	22.73	22.56	22.55		
10	QPSK	50	0	22.57	22.69	22.65		
10	16QAM	1	0	22.81	22.80	22.72		
10	16QAM	1	25	22.82	23.03	22.88	23.9	1
10	16QAM	1	49	22.69	22.77	22.74		
10	16QAM	25	0	21.49	21.46	21.60		
10	16QAM	25	12	21.50	21.61	21.70	22.9	2
10	16QAM	25	25	21.59	21.55	21.66		
10	16QAM	50	0	21.64	21.61	21.72		
10	64QAM	1	0	21.69	21.52	21.61		
10	64QAM	1	25	21.81	21.82	21.68	22.9	2
10	64QAM	1	49	21.60	21.60	21.73		
10	64QAM	25	0	20.58	20.52	20.64		
10	64QAM	25	12	20.58	20.64	20.60	21.9	3
10	64QAM	25	25	20.73	20.60	20.52		
10	64QAM	50	0	20.68	20.52	20.75		
Channel								
Frequency (MHz)				26715	26885	27015		
Frequency (MHz)				8165	8315	8465		
5	QPSK	1	0	23.45	23.41	23.51	24.9	0
5	QPSK	1	12	23.63	23.86	23.83		
5	QPSK	1	24	23.58	23.56	23.58		
5	QPSK	12	0	22.72	22.75	22.76		
5	QPSK	12	7	22.70	22.87	22.87	23.9	1
5	QPSK	12	13	22.69	22.54	22.62		
5	QPSK	25	0	22.61	22.73	22.61		
5	16QAM	1	0	22.63	22.66	22.74		
5	16QAM	1	12	22.88	22.97	22.92	23.9	1
5	16QAM	1	24	22.79	22.72	22.84		
5	16QAM	12	0	21.57	21.54	21.66		
5	16QAM	12	7	21.51	21.50	21.68	22.9	2
5	16QAM	12	13	21.73	21.51	21.50		
5	16QAM	25	0	21.59	21.62	21.84		
5	64QAM	1	0	21.69	21.63	21.71	22.9	2
5	64QAM	1	12	21.84	21.81	21.85		
5	64QAM	1	24	21.73	21.72	21.62		
5	64QAM	12	0	20.62	20.53	20.66		
5	64QAM	12	7	20.68	20.68	20.64	21.9	3
5	64QAM	12	13	20.64	20.70	20.61		
5	64QAM	25	0	20.59	20.60	20.75		
Channel								
Frequency (MHz)				26705	26895	27025		
Frequency (MHz)				8165	8315	8465		
3	QPSK	1	0	23.48	23.44	23.53	24.9	0
3	QPSK	1	8	23.57	23.74	23.66		
3	QPSK	1	14	23.46	23.58	23.62		
3	QPSK	8	0	22.72	22.77	22.59		
3	QPSK	8	4	22.55	22.51	22.62	23.9	1
3	QPSK	8	7	22.65	22.52	22.55		
3	QPSK	15	0	22.67	22.68	22.65		
3	16QAM	1	0	22.69	22.82	22.84		
3	16QAM	1	8	22.81	22.91	22.87	23.9	1
3	16QAM	1	14	22.63	22.75	22.82		
3	16QAM	8	0	21.48	21.49	21.70		
3	16QAM	8	4	21.55	21.63	21.64	22.9	2
3	16QAM	8	7	21.61	21.55	21.59		
3	16QAM	15	0	21.53	21.50	21.73		
3	64QAM	1	0	21.64	21.62	21.67		
3	64QAM	1	8	21.87	21.86	21.85	22.9	2
3	64QAM	1	14	21.71	21.65	21.69		
3	64QAM	8	0	20.68	20.61	20.72		
3	64QAM	8	4	20.65	20.66	20.62	21.9	3
3	64QAM	8	7	20.61	20.57	20.57		
3	64QAM	15	0	20.66	20.61	20.73		
Channel								
Frequency (MHz)				26697	26885	27033		
Frequency (MHz)				8147	8315	8483		
1.4	QPSK	1	0	23.70	23.66	23.69	24.9	0
1.4	QPSK	1	3	23.75	23.79	23.73		
1.4	QPSK	1	5	23.72	23.65	23.65		
1.4	QPSK	3	0	23.57	23.48	23.60		
1.4	QPSK	3	1	23.65	23.77	23.71		
1.4	QPSK	3	3	23.61	23.47	23.56	23.9	1
1.4	QPSK	6	0	22.64	22.71	22.69		
1.4	16QAM	1	0	22.79	22.83	22.80		
1.4	16QAM	1	3	22.99	23.02	22.93		
1.4	16QAM	1	5	22.87	22.85	22.90	23.9	1
1.4	16QAM	3	0	22.79	22.76	22.74		
1.4	16QAM	3	1	22.90	22.86	22.92		
1.4	16QAM	3	3	22.71	22.79	22.82	22.9	2
1.4	16QAM	3	5	21.60	21.61	21.66		
1.4	64QAM	1	0	21.66	21.69	21.64		
1.4	64QAM	1	3	21.83	21.75	21.75	22.9	2
1.4	64QAM	1	5	21.74	21.65	21.67		
1.4	64QAM	3	0	21.63	21.62	21.63		
1.4	64QAM	3	1	21.68	21.56	21.57		
1.4	64QAM	3	3	21.74	21.49	21.60	21.9	3
1.4	64QAM	6	0	20.59	20.57	20.63		

### 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)				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	14.07	14.14	14.21	15	0
20	QPSK	1	49	14.25	14.30	14.29		
20	QPSK	1	99	14.15	14.19	13.96		
20	QPSK	50	0	14.20	14.26	14.23		
20	QPSK	50	24	13.95	14.13	14.07	15	0
20	QPSK	50	50	14.07	14.07	13.86		
20	QPSK	100	0	14.03	14.25	14.11		
20	16QAM	1	0	14.10	14.04	14.04		
20	16QAM	1	49	14.14	14.13	14.13	15	0
20	16QAM	1	99	14.25	14.11	14.14		
20	16QAM	50	0	14.05	14.09	14.18		
20	16QAM	50	24	14.14	14.08	13.96	15	0
20	16QAM	50	50	14.18	14.20	14.12		
20	16QAM	100	0	14.18	14.05	14.13		
20	64QAM	1	0	14.23	14.22	14.13		
20	64QAM	1	49	14.18	14.17	14.06	15	0
20	64QAM	1	99	14.07	14.13	14.29		
20	64QAM	50	0	14.08	14.00	14.21		
20	64QAM	50	24	14.14	14.22	14.19	15	0
20	64QAM	50	50	14.01	14.07	14.20		
20	64QAM	100	0	14.12	14.13	13.96		
Channel								
Frequency (MHz)				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	13.95	13.96	13.96	15	0
15	QPSK	1	37	14.14	14.11	14.09		
15	QPSK	1	74	13.98	14.09	13.82		
15	QPSK	36	0	14.12	14.24	14.16		
15	QPSK	36	20	13.9				



Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.20	18.32	18.24	19.5	0	
20	QPSK	1	49	18.35	18.45	18.33			
20	QPSK	1	99	18.30	18.37	18.24			
20	QPSK	50	0	18.25	18.42	18.30	19.5	0	
20	QPSK	50	24	18.16	18.28	18.23			
20	QPSK	50	50	18.20	18.41	18.20			
20	QPSK	100	0	18.16	18.42	18.21	19.5	0	
20	16QAM	1	0	18.32	18.40	18.14			
20	16QAM	1	49	18.34	18.33	18.28			
20	16QAM	1	99	18.29	18.29	18.23	19.5	0	
20	16QAM	50	0	18.19	18.35	18.33			
20	16QAM	50	24	18.29	18.33	18.30			
20	16QAM	50	50	18.34	18.29	18.25	19.5	0	
20	16QAM	100	0	18.34	18.29	18.25			
20	64QAM	1	0	18.20	18.36	18.24			
20	64QAM	1	49	18.30	18.33	18.23	19.5	0	
20	64QAM	1	99	18.26	18.38	18.25			
20	64QAM	50	0	18.17	18.38	18.14			
20	64QAM	50	24	18.26	18.31	18.15	19.5	0	
20	64QAM	50	50	18.16	18.31	18.18			
20	64QAM	100	0	18.21	18.33	18.27			
Channel				37825	38000	38175			
Frequency (MHz)				2377.2	2395	2392.3			
15	QPSK	1	0	18.08	18.17	18.14	19.5	0	
15	QPSK	1	37	18.27	18.41	18.20			
15	QPSK	1	74	18.27	18.19	18.07			
15	QPSK	36	0	18.08	18.26	18.22	19.5	0	
15	QPSK	36	20	18.09	18.12	18.05			
15	QPSK	36	39	18.20	18.25	18.01			
15	QPSK	75	0	18.03	18.28	18.08	19.5	0	
15	16QAM	1	0	18.22	18.38	17.98			
15	16QAM	1	37	18.26	18.14	18.15			
15	16QAM	1	74	18.19	18.14	18.06	19.5	0	
15	16QAM	36	0	18.11	18.24	18.32			
15	16QAM	36	20	18.13	18.20	18.14			
15	16QAM	36	39	18.16	18.36	18.13	19.5	0	
15	16QAM	75	0	18.32	18.10	18.23			
15	64QAM	1	0	18.04	18.18	18.13			
15	64QAM	1	37	18.20	18.31	18.19	19.5	0	
15	64QAM	1	74	18.23	18.20	18.11			
15	64QAM	36	0	17.89	18.33	17.97			
15	64QAM	36	20	18.10	18.25	18.00	19.5	0	
15	64QAM	36	39	18.09	18.29	18.03			
15	64QAM	75	0	18.10	18.33	18.13			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.17	18.32	18.16	19.5	0	
10	QPSK	1	25	18.22	18.45	18.14			
10	QPSK	1	49	18.30	18.23	18.05			
10	QPSK	25	0	18.13	18.32	18.13	19.5	0	
10	QPSK	25	12	18.14	18.27	18.20			
10	QPSK	25	25	18.04	18.28	18.15			
10	QPSK	50	0	18.05	18.23	18.14	19.5	0	
10	16QAM	1	0	18.26	18.26	18.13			
10	16QAM	1	25	18.28	18.25	18.17			
10	16QAM	1	49	18.11	18.27	18.17	19.5	0	
10	16QAM	25	0	18.00	18.18	18.31			
10	16QAM	25	12	18.24	18.17	18.20			
10	16QAM	25	25	18.00	18.32	18.03	19.5	0	
10	16QAM	50	0	18.22	18.26	18.14			
10	64QAM	1	0	18.17	18.30	18.13			
10	64QAM	1	25	18.21	18.15	18.20	19.5	0	
10	64QAM	1	49	18.14	18.21	18.25			
10	64QAM	25	0	18.16	18.28	18.04			
10	64QAM	25	12	18.25	18.28	18.05	19.5	0	
10	64QAM	25	25	18.10	18.19	18.16			
10	64QAM	50	0	18.11	18.16	18.21			
Channel				37775	38000	38225			
Frequency (MHz)				2372.3	2395	2392.5			
5	QPSK	1	0	18.10	18.15	18.05	19.5	0	
5	QPSK	1	12	18.33	18.44	18.27			
5	QPSK	1	24	18.13	18.37	18.05			
5	QPSK	12	0	18.07	18.40	18.20	19.5	0	
5	QPSK	12	7	18.04	18.12	18.04			
5	QPSK	12	13	18.13	18.35	18.03			
5	QPSK	25	0	17.97	18.28	18.07	19.5	0	
5	16QAM	1	0	18.19	18.28	17.95			
5	16QAM	1	12	18.17	18.18	18.27			
5	16QAM	1	24	18.26	18.22	18.19	19.5	0	
5	16QAM	12	0	18.03	18.18	18.29			
5	16QAM	12	7	18.23	18.33	18.26			
5	16QAM	12	13	18.16	18.39	18.13	19.5	0	
5	16QAM	25	0	18.33	18.14	18.13			
5	64QAM	1	0	18.19	18.29	18.05			
5	64QAM	1	12	18.11	18.17	18.12	19.5	0	
5	64QAM	1	24	18.18	18.30	18.21			
5	64QAM	12	0	18.14	18.26	18.11			
5	64QAM	12	7	18.18	18.16	18.15	19.5	0	
5	64QAM	12	13	18.10	18.29	18.09			
5	64QAM	25	0	18.19	18.19	18.24			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.10	23.14	23.13	24.2	0	
20	QPSK	1	49	23.25	23.33	23.32			
20	QPSK	1	99	23.17	23.20	23.15			
20	QPSK	50	0	22.15	22.20	22.17	23.2	1	
20	QPSK	50	24	22.14	22.05	22.16			
20	QPSK	50	50	22.11	22.01	22.10			
20	QPSK	100	0	22.27	22.28	22.20	23.2	1	
20	16QAM	1	0	22.20	22.20	22.15			
20	16QAM	1	49	22.39	22.21	22.41			
20	16QAM	1	99	22.25	22.13	22.09	22.2	2	
20	16QAM	50	0	21.22	21.03	21.26			
20	16QAM	50	24	21.26	21.13	21.26			
20	16QAM	50	50	21.27	21.16	21.26	22.2	2	
20	16QAM	100	0	21.28	21.10	21.22			
20	64QAM	1	0	20.93	20.88	20.76			
20	64QAM	1	49	21.03	21.02	21.00	22.2	2	
20	64QAM	1	99	20.89	20.74	20.76			
20	64QAM	50	0	20.25	20.13	20.20			
20	64QAM	50	24	20.25	20.12	20.22	21.2	3	
20	64QAM	50	50	20.24	20.14	20.28			
20	64QAM	100	0	20.29	20.07	20.20			
Channel				37825	38000	38175			
Frequency (MHz)				2377.2	2395	2392.3			
15	QPSK	1	0	22.97	23.00	22.97	24.2	0	
15	QPSK	1	37	23.21	23.19	23.24			
15	QPSK	1	74	23.16	23.01	23.05			
15	QPSK	36	0	22.05	22.07	22.10	23.2	1	
15	QPSK	36	20	22.13	21.94	21.97			
15	QPSK	36	39	22.11	21.82	22.00			
15	QPSK	75	0	22.11	22.20	22.11	23.2	1	
15	16QAM	1	0	22.09	22.08	22.10			
15	16QAM	1	37	22.36	22.17	22.39			
15	16QAM	1	74	22.12	22.00	21.95	22.2	2	
15	16QAM	36	0	21.12	20.94	21.26			
15	16QAM	36	20	21.23	20.98	21.19			
15	16QAM	36	39	21.22	21.15	21.08	22.2	2	
15	16QAM	75	0	21.12	21.05	21.07			
15	64QAM	1	0	20.92	20.70	20.65			
15	64QAM	1	37	20.86	20.96	20.84	22.2	2	
15	64QAM	1	74	20.76	20.56	20.73			
15	64QAM	36	0	20.06	20.04	20.18			
15	64QAM	36	20	20.23	19.97	20.06	21.2	3	
15	64QAM	36	39	20.14	20.03	20.10			
15	64QAM	75	0	20.25	19.94	20.15			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.92	23.11	22.94	24.2	0	
10	QPSK	1	25	23.11	23.21	23.31			
10	QPSK	1	49	23.14	23.19	22.98			
10	QPSK	25	0	22.01	22.02	22.16	23.2	1	
10	QPSK	25	12	21.95	21.86	22.11			
10	QPSK	25	25	22.01	21.95	21.93			
10	QPSK	50	0	22.22	22.22	22.14	23.2	1	
10	16QAM	1	0	22.14	22.17	22.11			
10	16QAM	1	25	22.37	22.12	22.23			



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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	18.68	18.72	18.71	18.78	18.60	19.5	0
20	QPSK	1	49	18.75	18.77	18.82	18.80	18.73		
20	QPSK	1	99	18.74	18.63	18.76	18.73	18.64		
20	QPSK	50	0	18.67	18.72	18.78	18.74	18.65		
20	QPSK	50	24	18.63	18.74	18.83	18.69	18.59		
20	QPSK	50	50	18.57	18.70	18.63	18.65	18.65	19.5	0
20	QPSK	100	0	18.58	18.62	18.75	18.66	18.62		
20	16QAM	1	0	18.60	18.67	18.68	18.74	18.68		
20	16QAM	1	49	18.59	18.73	18.67	18.74	18.54	19.5	0
20	16QAM	1	99	18.56	18.63	18.73	18.70	18.69		
20	16QAM	50	0	18.56	18.70	18.75	18.66	18.72		
20	16QAM	50	24	18.63	18.62	18.63	18.61	18.72		
20	16QAM	50	50	18.64	18.67	18.79	18.75	18.55	19.5	0
20	16QAM	100	0	18.74	18.61	18.81	18.71	18.54		
20	64QAM	1	0	18.72	18.70	18.65	18.78	18.64		
20	64QAM	1	49	18.74	18.58	18.73	18.78	18.55	19.5	0
20	64QAM	1	99	18.64	18.58	18.67	18.69	18.55		
20	64QAM	50	0	18.62	18.68	18.76	18.65	18.65		
20	64QAM	50	24	18.69	18.64	18.63	18.64	18.69	19.5	0
20	64QAM	50	50	18.66	18.67	18.72	18.80	18.57		
20	64QAM	100	0	18.71	18.70	18.74	18.78	18.60		
Channel				40115	40375	40640	40905	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2568.3	2594.2	2620.3	2647.5		
15	QPSK	1	0	18.51	18.56	18.60	18.75	18.54	19.5	0
15	QPSK	1	37	18.68	18.61	18.68	18.61	18.54		
15	QPSK	1	74	18.61	18.56	18.71	18.62	18.62		
15	QPSK	36	0	18.49	18.72	18.77	18.62	18.50		
15	QPSK	36	20	18.58	18.65	18.61	18.67	18.41	19.5	0
15	QPSK	36	39	18.55	18.54	18.44	18.64	18.60		
15	QPSK	75	0	18.47	18.51	18.60	18.48	18.50		
15	16QAM	1	0	18.49	18.63	18.63	18.57	18.66	19.5	0
15	16QAM	1	37	18.56	18.73	18.56	18.66	18.50		
15	16QAM	1	74	18.44	18.56	18.60	18.70	18.62		
15	16QAM	36	0	18.52	18.60	18.62	18.66	18.61		
15	16QAM	36	20	18.49	18.46	18.48	18.53	18.71	19.5	0
15	16QAM	36	39	18.47	18.57	18.66	18.64	18.53		
15	16QAM	75	0	18.62	18.52	18.76	18.55	18.54		
15	64QAM	1	0	18.66	18.52	18.57	18.63	18.63	19.5	0
15	64QAM	1	37	18.72	18.46	18.54	18.64	18.38		
15	64QAM	1	74	18.61	18.56	18.60	18.67	18.52		
15	64QAM	36	0	18.57	18.51	18.63	18.58	18.57		
15	64QAM	36	20	18.60	18.52	18.51	18.62	18.44	19.5	0
15	64QAM	36	39	18.53	18.54	18.54	18.72	18.54		
15	64QAM	75	0	18.69	18.70	18.66	18.68	18.53		
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	18.65	18.69	18.66	18.62	18.51	19.5	0
10	QPSK	1	25	18.64	18.72	18.67	18.63	18.61		
10	QPSK	1	49	18.68	18.55	18.63	18.72	18.53		
10	QPSK	25	0	18.53	18.61	18.60	18.66	18.67	19.5	0
10	QPSK	25	12	18.44	18.57	18.48	18.61	18.44		
10	QPSK	25	25	18.54	18.65	18.62	18.49	18.61		
10	QPSK	50	0	18.40	18.50	18.71	18.62	18.62		
10	16QAM	1	0	18.53	18.48	18.60	18.57	18.54	19.5	0
10	16QAM	1	25	18.52	18.62	18.65	18.69	18.39		
10	16QAM	1	49	18.55	18.46	18.56	18.68	18.50		
10	16QAM	25	0	18.53	18.52	18.58	18.47	18.55	19.5	0
10	16QAM	25	12	18.58	18.57	18.56	18.50	18.53		
10	16QAM	25	25	18.48	18.61	18.63	18.60	18.53		
10	16QAM	50	0	18.65	18.52	18.66	18.52	18.49	19.5	0
10	64QAM	1	0	18.71	18.68	18.64	18.59	18.62		
10	64QAM	1	25	18.69	18.51	18.63	18.76	18.48	19.5	0
10	64QAM	1	49	18.58	18.47	18.66	18.58	18.43		
10	64QAM	25	0	18.45	18.59	18.72	18.62	18.60		
10	64QAM	25	12	18.57	18.47	18.49	18.46	18.48	19.5	0
10	64QAM	25	25	18.53	18.54	18.66	18.71	18.48		
10	64QAM	50	0	18.56	18.58	18.57	18.61	18.47		
Channel				40095	40353	40640	40928	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2563.3	2595	2623.0	2652.5		
5	QPSK	1	0	18.54	18.70	18.65	18.63	18.42	19.5	0
5	QPSK	1	12	18.57	18.61	18.77	18.73	18.67		
5	QPSK	1	24	18.71	18.46	18.60	18.58	18.53		
5	QPSK	12	0	18.63	18.68	18.75	18.65	18.67	19.5	0
5	QPSK	12	7	18.58	18.73	18.49	18.64	18.57		
5	QPSK	12	13	18.47	18.65	18.61	18.52	18.47		
5	QPSK	25	0	18.53	18.51	18.65	18.51	18.45	19.5	0
5	16QAM	1	0	18.59	18.62	18.49	18.58	18.67		
5	16QAM	1	12	18.45	18.70	18.56	18.56	18.41	19.5	0
5	16QAM	1	24	18.56	18.58	18.68	18.60	18.61		
5	16QAM	12	0	18.39	18.63	18.65	18.57	18.53	19.5	0
5	16QAM	12	7	18.62	18.50	18.45	18.42	18.67		
5	16QAM	12	13	18.61	18.58	18.75	18.67	18.48		
5	16QAM	25	0	18.60	18.53	18.76	18.58	18.40	19.5	0
5	64QAM	1	0	18.71	18.65	18.48	18.70	18.57		
5	64QAM	1	12	18.56	18.44	18.54	18.70	18.53	19.5	0
5	64QAM	1	24	18.47	18.50	18.60	18.57	18.43		
5	64QAM	12	0	18.51	18.49	18.68	18.47	18.65	19.5	0
5	64QAM	12	7	18.68	18.59	18.54	18.56	18.50		
5	64QAM	12	13	18.51	18.58	18.60	18.79	18.52		
5	64QAM	25	0	18.55	18.55	18.67	18.78	18.44	19.5	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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	23.20	23.23	23.20	23.28	23.21	24.2	0
20	QPSK	1	49	23.33	23.35	23.40	23.39	23.32		
20	QPSK	1	99	23.23	23.26	23.29	23.22	23.19		
20	QPSK	50	0	22.11	22.25	22.30	22.28	22.22	23.2	1
20	QPSK	50	24	22.10	22.20	22.17	22.23	22.06		
20	QPSK	50	50	22.08	22.24	22.18	22.24	22.20		
20	QPSK	100	0	22.24	22.30	22.35	22.27	22.22		
20	16QAM	1	0	22.21	22.26	22.27	22.25	22.22	23.2	1
20	16QAM	1	49	22.44	22.50	22.42	22.40	22.38		
20	16QAM	1	99	22.23	22.35	22.25	22.39	22.20		
20	16QAM	50	0	21.20	21.33	21.18	21.34	21.26	22.2	2
20	16QAM	50	24	21.19	21.44	21.22	21.43	21.32		
20	16QAM	50	50	21.18	21.46	21.20	21.45	21.20		
20	16QAM	100	0	21.20	21.47	21.30	21.48	21.21	22.2	2
20	64QAM	1	0	21.00	20.95	21.02	21.05	20.94		
20	64QAM	1	49	21.16	21.15	21.18	21.20	21.15	22.2	2
20	64QAM	1	99	20.99	21.11	20.93	21.02	20.98		
20	64QAM	50	0	20.30	20.23	20.20	20.21	20.30	21.2	3
20	64QAM	50	24	20.26	20.30	20.25	20.22	20.28		
20	64QAM	50	50	20.18	20.					



### Reduced Power Mode for DS17

GSM850_Ant 13		Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel		128	189	251	Limit (dBm)			128	189	251	Limit (dBm)		
Frequency (MHz)		834.2	836.4	848.8	28.50	18.50	18.54	18.49	18.50	28.50	18.50	18.54	18.49
GSM 1 Tx slot		27.50	27.54	27.49	28.50	18.55	18.60	18.52	18.50				
GPRS 1 Tx slot		27.55	27.60	27.52	28.50	18.55	18.60	18.52	18.50				
GPRS 2 Tx slots		23.42	23.32	25.45	28.50	19.42	19.52	19.45	20.50				
GPRS 3 Tx slots		23.50	23.95	23.48	28.50	19.24	19.29	19.22	20.24				
GPRS 4 Tx slots		21.95	22.00	21.90	23.00	18.95	19.00	18.90	20.00				
EDGE(GMSK) 1 Tx slot		27.48	27.53	27.37	28.50	18.48	18.53	18.37	19.50				
EDGE(GMSK) 2 Tx slots		25.27	25.50	25.43	28.50	19.27	19.50	19.43	20.50				
EDGE(GMSK) 3 Tx slots		23.42	23.54	23.43	24.50	18.18	18.28	18.17	20.24				
EDGE(GMSK) 4 Tx slots		21.84	21.97	21.77	23.00	18.84	18.97	18.77	20.00				
EDGE(BPSK) 1 Tx slot		28.72	28.82	28.91	28.00	17.72	17.82	17.81	19.00				
EDGE(BPSK) 2 Tx slots		24.73	25.04	25.04	28.00	18.73	19.04	19.04	20.00				
EDGE(BPSK) 3 Tx slots		23.22	23.49	23.48	24.00	18.95	19.23	19.22	19.74				
EDGE(BPSK) 4 Tx slots		22.01	22.00	22.03	22.50	19.01	19.00	19.03	19.50				

GSM1900_Ant13		Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel		512	661	810	Limit (dBm)			512	661	810	Limit (dBm)		
Frequency (MHz)		1850.2	1880	1909.8	20.50	10.55	10.57	10.57	11.50 <td></td> <td></td> <td></td> <td></td>				
GSM 1 Tx slot		19.55	19.57	19.57	20.50	10.56	10.61	10.62	11.50				
GPRS 1 Tx slot		18.06	18.09	18.05	18.80	12.06	12.09	12.05	12.80				
GPRS 2 Tx slots		16.09	16.10	16.12	16.80	11.83	11.84	11.88	12.54				
GPRS 3 Tx slots		14.52	14.54	14.52	15.30	11.52	11.54	11.52	12.30				
GPRS 4 Tx slots		19.28	19.51	19.50	20.50	10.28	10.51	10.50	11.50				
EDGE(GMSK) 1 Tx slot		17.75	17.87	17.85	18.80	11.75	11.87	11.85	12.80				
EDGE(GMSK) 2 Tx slots		15.68	15.90	15.87	16.80	11.42	11.64	11.41	12.54				
EDGE(GMSK) 3 Tx slots		14.21	14.37	14.28	15.30	11.21	11.37	11.28	12.30				
EDGE(GMSK) 4 Tx slots		20.02	20.05	20.01	20.50	11.02	11.05	11.01	11.50				
EDGE(BPSK) 1 Tx slot		18.15	18.20	18.18	18.50	12.15	12.20	12.18	12.50				
EDGE(BPSK) 2 Tx slots		16.23	16.31	16.21	16.50	11.97	12.05	11.96	12.24				
EDGE(BPSK) 3 Tx slots		14.50	14.63	14.51	15.00	11.50	11.53	11.51	12.00				
EDGE(BPSK) 4 Tx slots													

Band		WCDMA I_Ant 13			WCDMA I_Ant 31			Tune-up Limit			WCDMA IV_Ant 31			Tune-up Limit			
TX Channel		9262	9400	9538	Limit (dBm)			9262	9400	9538	Limit (dBm)			9262	9400	9538	
Rx Channel		8692	8900	9038	Limit (dBm)			8692	8900	9038	Limit (dBm)			8692	8900	9038	
Frequency (MHz)		1852.4	1880	1907.6	20.50 <td></td> <td></td> <td>1852.4</td> <td>1880</td> <td>1907.6</td>			1852.4	1880	1907.6	20.50			1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2kbps	12.05	12.12	12.07	13.00	23.05	23.19	23.15	24.30				12.00	23.28	23.32	23.29	24.30
3GPP Rel 99	RMC 12.2kbps	12.08	12.14	12.11	13.00	23.11	23.21	23.17	24.30				12.00	23.30	23.35	23.31	24.30
3GPP Rel 6	HSDPA Subtest-1	11.06	11.04	11.07	12.00	22.18	22.26	22.23	23.30				11.00	22.42	22.47	22.43	23.30
3GPP Rel 6	HSDPA Subtest-2	10.88	11.03	10.94	12.00	22.11	22.17	22.16	23.30				11.00	22.23	22.38	22.34	23.30
3GPP Rel 6	HSDPA Subtest-3	10.41	10.47	10.48	11.50	21.56	21.72	21.65	22.80				11.00	21.78	21.86	21.81	22.80
3GPP Rel 6	HSDPA Subtest-4	10.39	10.50	10.36	11.50	21.57	21.61	21.60	22.80				11.00	21.82	21.85	21.80	22.80
3GPP Rel 6	DC-HSDPA Subtest-1	10.93	11.09	11.17	12.00	22.51	22.58	22.55	23.30				11.00	22.39	22.42	22.39	23.30
3GPP Rel 6	DC-HSDPA Subtest-2	10.87	10.95	11.12	12.00	22.47	22.50	22.50	23.30				11.00	22.34	22.37	22.36	23.30
3GPP Rel 6	DC-HSDPA Subtest-3	10.37	10.52	10.63	11.50	21.97	22.00	21.98	22.80				11.00	21.75	21.77	21.73	22.80
3GPP Rel 6	DC-HSDPA Subtest-4	10.31	10.53	10.72	11.50	21.93	21.98	21.98	22.80				11.00	21.71	21.74	21.72	22.80
3GPP Rel 6	HSUPA Subtest-1	9.97	10.12	10.08	10.80	21.20	21.32	21.28	22.10				10.80	21.43	21.47	21.46	22.10
3GPP Rel 6	HSUPA Subtest-2	9.90	9.97	10.09	10.80	21.19	21.29	21.20	22.10				10.80	21.43	21.42	21.40	22.10
3GPP Rel 6	HSUPA Subtest-3	11.01	11.07	11.13	11.80	22.21	22.29	22.22	23.10				11.80	22.43	22.38	22.41	23.10
3GPP Rel 6	HSUPA Subtest-4	9.47	9.68	9.61	10.30	20.71	20.91	20.80	21.60				10.80	20.95	20.97	20.96	21.60
3GPP Rel 6	HSUPA Subtest-5	10.98	11.05	10.92	11.80	22.10	22.20	22.20	23.10				11.80	22.40	22.40	22.40	23.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	9.48	9.61	9.57	10.80	20.77	20.82	20.79	22.10				10.80	20.86	20.91	20.87	22.10

Band		WCDMA V_Ant 13			WCDMA V_Ant 31			Tune-up Limit			WCDMA IV_Ant 31			Tune-up Limit		
TX Channel		4132	4182	4233	Limit (dBm)			4132	4182	4233	Limit (dBm)			4132	4182	4233
Rx Channel		4357	4407	4458	Limit (dBm)			4357	4407	4458	Limit (dBm)			4357	4407	4458
Frequency (MHz)		826.4	836.4	846.6	20.50 <td></td> <td></td> <th>826.4</th> <th>836.4</th> <th>846.6</th> <th>20.50 <td></td> <td></td> <th>826.4</th> <th>836.4</th> <th>846.6</th> </th>			826.4	836.4	846.6	20.50 <td></td> <td></td> <th>826.4</th> <th>836.4</th> <th>846.6</th>			826.4	836.4	846.6
3GPP Rel 99	AMR 12.2kbps	18.88	19.01	18.79	20.00	23.53	23.54	23.51	24.90				20.00	23.52	23.52	24.90
3GPP Rel 99	RMC 12.2kbps	18.99	19.04	18.95	20.00	23.55	23.60	23.52	24.90				20.00	23.52	23.52	24.90
3GPP Rel 6	HSDPA Subtest-1	17.89	18.03	18.06	19.00	22.58	22.57	22.86	23.90				19.00	22.57	22.57	23.90
3GPP Rel 6	HSDPA Subtest-2	17.81	18.00	17.70	19.00	22.54	22.53	22.49	23.90				19.00	22.52	22.49	23.90
3GPP Rel 6	HSDPA Subtest-3	17.41	17.66	17.30	18.50	22.12	22.03	22.06	23.40				18.50	22.02	22.06	23.40
3GPP Rel 6	HSDPA Subtest-4	17.46	17.64	17.34	18.50	22.10	22.02	22.06	23.40				18.50	22.02	22.06	23.40
3GPP Rel 6	DC-HSDPA Subtest-1	18.18	18.06	18.13	19.00	22.82	22.68	22.68	23.90				19.00	22.68	22.68	23.90
3GPP Rel 6	DC-HSDPA Subtest-2	17.99	18.18	18.13	19.00	22.60	22.63	22.63	23.90				19.00	22.63	22.63	23.90
3GPP Rel 6	DC-HSDPA Subtest-3	17.47	17.62	17.46	18.50	22.08	22.13	22.10	23.40				18.50	22.08	22.10	23.40
3GPP Rel 6	DC-HSDPA Subtest-4	17.40	17.54	17.51	18.50	22.04	22.09	22.07	23.40				18.50	22.04	22.07	23.40
3GPP Rel 6	HSUPA Subtest-1	17.07	16.95	17.04	17.80	21.83	21.71	21.65	22.70				17.80	21.65	21.61	22.70
3GPP Rel 6	HSUPA Subtest-2	16.97	17.03	16.88	17.80	21.55	21.66	21.61	22.70				17.80	21.55	21.61	22.70
3GPP Rel 6	HSUPA Subtest-3	17.94	18.06	18.01	18.80	22.31	22.65	22.84	23.70				18.80	22.31	22.65	23.70
3GPP Rel 6	HSUPA Subtest-4	16.42	16.58	16.37	17.30	21.08	21.16	21.13	22.20				17.30	21.08	21.13	22.20
3GPP Rel 6	HSUPA Subtest-5	17.98	17.91	17.89	18.80	22.46	22.50	22.50	23.70				18.80	22.46	22.50	23.70
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.47	16.35	16.36	17.80	20.96	21.06	21.03	22.70				17.80	20.96	21.03	22.70

GSM850_Ant 31		Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel		128	189	251	Limit (dBm)			128	189	251	Limit (dBm)		
Frequency (MHz)		824.2	836.4	848.8	33.40 <td></td> <td></td> <th>824.2</th> <th>836.4</th> <th>848.8</th> <th>33.40 <td></td> <td></td> </th>			824.2	836.4	848.8	33.40 <td></td> <td></td>		
GSM 1 Tx slot		32.15	32.17	32.01	33.40	23.15	23.17	23.01	24.40				
GPRS 1 Tx slot		32.16	32.20	32.05	33.40	23.16	23.20	23.05	24.40				
GPRS 2 Tx slots		30.87	30.89	30.79	31.40	24.87	24.89	24.79	25.40				
GPRS 3 Tx slots		28.87	28.70	28.96	29.40	24.41	24.44	24.30	25.14				
GPRS 4 Tx slots		27.09	27.13	27.01	27.90	24.09	24.13	24.01	24.90				
EDGE(GMSK) 1 Tx slot		32.16	32.15</										



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				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	12.13	12.16	12.16	13	0		
20	QPSK	1	49	12.23	12.28	12.24				
20	QPSK	1	99	12.15	12.24	12.21				
20	QPSK	50	0	12.16	12.23	12.17				
20	QPSK	50	24	12.03	12.23	12.08	13	0		
20	QPSK	50	50	12.00	12.02	11.96				
20	QPSK	100	0	12.05	12.18	12.11				
20	16QAM	1	0	12.10	12.25	12.11				
20	16QAM	1	49	12.26	12.14	12.20	13	0		
20	16QAM	1	99	12.18	12.16	12.15				
20	16QAM	50	0	12.08	12.22	12.10				
20	16QAM	50	24	12.18	12.24	12.24	13	0		
20	16QAM	50	50	12.07	12.24	12.21				
20	16QAM	100	0	12.16	12.17	12.11				
20	84QAM	1	0	12.17	12.26	12.16				
20	84QAM	1	49	12.14	12.26	12.17	13	0		
20	84QAM	1	99	12.18	12.16	12.11				
20	84QAM	50	0	12.05	12.24	12.14				
20	84QAM	50	24	12.07	12.19	12.07				
20	84QAM	50	50	12.11	12.27	12.13	13	0		
20	84QAM	100	0	12.10	12.23	12.15				
Channel				18215	18900	19125				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	11.94	11.97	11.99	13	0		
15	QPSK	1	37	12.05	12.09	12.10				
15	QPSK	1	74	11.95	12.08	12.00				
15	QPSK	36	0	12.11	12.14	12.14				
15	QPSK	36	20	11.99	12.07	12.03	13	0		
15	QPSK	36	39	11.96	11.94	11.95				
15	QPSK	75	0	12.04	12.16	12.04				
15	16QAM	1	0	11.93	12.17	11.96	13	0		
15	16QAM	1	37	12.06	12.04	11.94				
15	16QAM	1	74	12.09	11.94	11.97				
15	16QAM	36	0	11.92	12.14	11.94				
15	16QAM	36	20	11.98	12.08	12.12	13	0		
15	16QAM	36	39	11.98	12.06	12.05				
15	16QAM	75	0	12.04	12.01	11.89				
15	84QAM	1	0	12.02	12.04	12.01				
15	84QAM	1	37	11.96	12.13	12.04	13	0		
15	84QAM	1	74	12.01	11.94	11.96				
15	84QAM	36	0	11.90	12.12	11.98				
15	84QAM	36	20	11.94	12.01	11.86	13	0		
15	84QAM	36	39	11.91	12.15	11.97				
15	84QAM	75	0	11.95	11.93	12.00				
Channel				18650	18900	19150				
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	12.00	11.98	12.02	13	0		
10	QPSK	1	25	12.09	12.13	12.09				
10	QPSK	1	49	11.99	12.09	12.03				
10	QPSK	25	0	12.09	12.20	12.18	13	0		
10	QPSK	25	12	11.94	12.00	12.05				
10	QPSK	25	25	11.96	11.96	11.94				
10	QPSK	50	0	12.06	12.19	12.07				
10	16QAM	1	0	11.95	12.17	12.02				
10	16QAM	1	25	12.09	11.98	12.07	13	0		
10	16QAM	1	49	12.04	11.99	12.02				
10	16QAM	25	0	11.91	12.17	11.98				
10	16QAM	25	12	12.03	12.11	12.03	13	0		
10	16QAM	25	25	11.93	12.13	12.04				
10	16QAM	50	0	12.00	11.98	11.93				
10	84QAM	1	0	12.03	12.06	11.96				
10	84QAM	1	25	12.01	12.07	12.03	13	0		
10	84QAM	1	49	11.98	12.06	11.96				
10	84QAM	25	0	11.95	12.08	12.00				
10	84QAM	25	12	11.91	12.01	11.93	13	0		
10	84QAM	25	25	11.93	12.15	11.98				
10	84QAM	50	0	11.97	11.96	12.01				
Channel				18625	18900	19175				
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	11.97	12.02	12.03	13	0		
5	QPSK	1	12	12.11	12.13	12.08				
5	QPSK	1	24	11.94	12.06	12.03				
5	QPSK	12	0	12.08	12.12	12.12				
5	QPSK	12	7	11.96	12.02	12.04	13	0		
5	QPSK	12	13	11.96	11.95	11.84				
5	QPSK	25	0	12.03	12.18	12.03				
5	16QAM	1	0	11.91	12.11	12.00	13	0		
5	16QAM	1	12	12.10	11.94	12.11				
5	16QAM	1	24	12.04	12.02	11.97				
5	16QAM	12	0	11.89	12.11	11.92				
5	16QAM	12	7	12.03	12.13	12.05	13	0		
5	16QAM	12	13	11.91	12.07	12.09				
5	16QAM	25	0	12.03	12.00	11.97				
5	84QAM	1	0	11.97	12.09	11.97	13	0		
5	84QAM	1	12	11.97	12.12	12.00				
5	84QAM	1	24	12.05	12.01	11.93				
5	84QAM	12	0	11.90	12.06	12.03	13	0		
5	84QAM	12	7	11.91	12.00	11.92				
5	84QAM	12	13	11.92	12.12	12.02				
5	84QAM	25	0	11.96	11.95	12.00	13	0		
Channel				18615	1880	19185				
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	11.99	11.97	12.01	13	0		
3	QPSK	1	8	12.11	12.14	12.08				
3	QPSK	1	14	12.01	12.05	11.99				
3	QPSK	8	0	12.09	12.17	12.12	13	0		
3	QPSK	8	4	11.95	12.07	11.96				
3	QPSK	8	7	11.99	11.95	11.97				
3	QPSK	15	0	11.98	12.15	12.06				
3	16QAM	1	0	11.98	12.13	11.93	13	0		
3	16QAM	1	8	12.12	12.03	12.07				
3	16QAM	1	14	11.99	12.06	12.06				
3	16QAM	8	0	11.95	12.15	11.98				
3	16QAM	8	4	12.02	12.05	12.11	13	0		
3	16QAM	8	7	11.95	12.06	12.10				
3	16QAM	15	0	12.09	12.01	11.89				
3	84QAM	1	0	12.03	12.07	12.01				
3	84QAM	1	8	11.96	12.12	11.97	13	0		
3	84QAM	1	14	12.03	12.04	12.01				
3	84QAM	8	0	11.88	12.08	11.95				
3	84QAM	8	4	11.94	12.03	11.88	13	0		
3	84QAM	8	7	11.90	12.11	12.01				
3	84QAM	15	0	11.95	11.92	12.01				
Channel				18607	18800	19197				
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	11.93	12.00	12.00	13	0		
1.4	QPSK	1	3	12.09	12.15	12.09				
1.4	QPSK	1	5	11.98	12.08	12.05				
1.4	QPSK	3	0	12.06	12.11	12.12	13	0		
1.4	QPSK	3	1	12.00	12.11	12.05				
1.4	QPSK	3	3	11.95	11.98	11.93				
1.4	QPSK	6	0	11.94	12.08	12.03				
1.4	16QAM	1	0	11.95	12.20	11.97	13	0		
1.4	16QAM	1	12	12.10	12.03	12.07				
1.4	16QAM	1	5	12.01	12.02	12.00				
1.4	16QAM	3	0	11.92	12.19	11.92				
1.4	16QAM	3	1	12.04	12.11	12.06	13	0		
1.4	16QAM	3	3	11.89	12.10	12.00				
1.4	16QAM	6	0	12.00	12.05	11.98				
1.4	16QAM	1	0	12.07	12.11	11.96				
1.4	84QAM	1	3	11.99	12.11	12.03	13			



### 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							2050	20175	20300		
Frequency (MHz)							1720	1732.5	1745		
20	QPSK	1	0	23.04	23.10	23.12	24.3	0			
20	QPSK	1	49	23.27	23.33	23.30					
20	QPSK	1	99	23.11	23.12	23.10					
20	QPSK	50	0	22.20	22.24	22.22	23.3	1			
20	QPSK	50	50	22.25	22.30	22.27					
20	QPSK	50	50	22.21	22.31	22.30					
20	QPSK	100	0	22.28	22.30	22.25	23.3	1			
20	16QAM	1	0	22.31	22.44	22.38					
20	16QAM	1	49	22.60	22.62	22.58					
20	16QAM	1	99	22.24	22.21	22.16	23.3	1			
20	16QAM	50	0	21.32	21.26	21.25					
20	16QAM	50	24	21.24	21.28	21.30					
20	16QAM	50	50	21.22	21.28	21.26	22.3	2			
20	16QAM	100	0	21.24	21.25	21.22					
20	84QAM	1	0	21.24	21.34	21.39					
20	84QAM	1	49	21.42	21.45	21.51	22.3	2			
20	84QAM	1	99	21.14	21.06	21.13					
20	84QAM	50	0	20.30	20.24	20.24					
20	84QAM	50	24	20.27	20.29	20.28	21.3	3			
20	84QAM	50	50	20.17	20.27	20.23					
20	84QAM	100	0	20.23	20.17	20.20					
Channel							20255	20175	20325		
Frequency (MHz)							1717.5	1732.5	1747.5		
15	QPSK	1	0	22.94	22.96	22.93	24.3	0			
15	QPSK	1	37	23.12	23.16	23.19					
15	QPSK	1	74	22.85	22.74	22.90					
15	QPSK	36	0	22.29	22.32	22.29	23.3	1			
15	QPSK	36	20	22.10	22.18	22.28					
15	QPSK	36	39	22.20	22.31	22.24					
15	QPSK	75	0	22.12	22.28	22.09	23.3	1			
15	16QAM	1	0	22.14	22.44	22.25					
15	16QAM	1	37	22.45	22.45	22.45					
15	16QAM	1	74	22.24	22.17	22.08	22.3	2			
15	16QAM	36	0	21.32	21.12	21.07					
15	16QAM	36	20	21.05	21.15	21.14					
15	16QAM	36	39	21.03	21.09	21.21	21.3	2			
15	16QAM	75	0	21.12	21.14	21.13					
15	84QAM	1	0	21.12	21.16	21.32					
15	84QAM	1	37	21.35	21.31	21.43	22.3	2			
15	84QAM	1	74	21.09	20.89	20.99					
15	84QAM	36	0	20.13	20.06	20.06					
15	84QAM	36	20	20.08	20.20	20.15	21.3	3			
15	84QAM	36	39	19.99	20.20	20.12					
15	84QAM	75	0	20.06	20.19	20.06					
Channel							20000	20175	20350		
Frequency (MHz)							1715	1732.5	1750		
10	QPSK	1	0	22.96	22.95	23.01	24.3	0			
10	QPSK	1	25	23.08	23.27	23.19					
10	QPSK	1	49	22.91	22.85	22.97					
10	QPSK	25	0	22.28	22.19	22.27	23.3	1			
10	QPSK	25	12	22.12	22.19	22.30					
10	QPSK	25	25	22.19	22.28	22.22					
10	QPSK	50	0	22.11	22.21	22.12	23.3	1			
10	16QAM	1	0	22.19	22.43	22.31					
10	16QAM	1	25	22.43	22.61	22.55					
10	16QAM	1	49	22.07	22.09	22.04	23.3	1			
10	16QAM	25	0	21.15	21.23	21.21					
10	16QAM	25	12	21.09	21.17	21.16					
10	16QAM	25	25	21.12	21.18	21.08	22.3	2			
10	16QAM	50	0	21.11	21.08	21.16					
10	84QAM	1	0	21.10	21.26	21.34					
10	84QAM	1	25	21.37	21.31	21.35	22.3	2			
10	84QAM	1	49	20.96	20.99	21.03					
10	84QAM	25	0	20.27	20.22	20.05					
10	84QAM	25	12	20.14	20.11	20.24	21.3	3			
10	84QAM	25	25	20.12	20.23	20.16					
10	84QAM	50	0	20.11	20.18	20.14					
Channel							19975	20175	20375		
Frequency (MHz)							1712.5	1732.5	1752.5		
5	QPSK	1	0	22.91	23.09	23.07	24.3	0			
5	QPSK	1	12	23.14	23.17	23.14					
5	QPSK	1	24	22.92	22.74	22.79					
5	QPSK	12	0	22.17	22.28	22.17	23.3	1			
5	QPSK	12	7	22.22	22.22	22.17					
5	QPSK	12	13	22.08	22.27	22.24					
5	QPSK	25	0	22.21	22.16	22.07	23.3	1			
5	16QAM	1	0	22.12	22.28	22.29					
5	16QAM	1	12	22.12	22.11	22.08					
5	16QAM	1	24	22.21	22.11	22.08	22.3	2			
5	16QAM	12	0	21.13	21.15	21.16					
5	16QAM	12	7	21.17	21.23	21.15					
5	16QAM	12	13	21.10	21.15	21.20	22.3	2			
5	16QAM	25	0	21.05	21.06	21.18					
5	84QAM	1	0	21.21	21.15	21.21					
5	84QAM	1	12	21.42	21.30	21.36	22.3	2			
5	84QAM	1	24	21.08	20.89	20.99					
5	84QAM	12	0	20.17	20.06	20.15					
5	84QAM	12	7	20.08	20.17	20.12	21.3	3			
5	84QAM	12	13	20.14	20.21	20.11					
5	84QAM	25	0	20.18	20.21	20.17					
Channel							19955	20175	20385		
Frequency (MHz)							1711.5	1732.5	1753.5		
3	QPSK	1	0	22.99	22.94	23.00	24.3	0			
3	QPSK	1	8	23.19	23.27	23.27					
3	QPSK	1	14	22.78	22.91	22.94					
3	QPSK	8	0	22.26	22.29	22.13	23.3	1			
3	QPSK	8	4	22.07	22.26	22.14					
3	QPSK	8	7	22.21	22.19	22.13					
3	QPSK	15	0	22.16	22.29	22.06	23.3	1			
3	16QAM	1	0	22.31	22.27	22.31					
3	16QAM	1	8	22.49	22.54	22.48					
3	16QAM	1	14	22.15	22.15	22.16	22.3	2			
3	16QAM	8	0	21.18	21.17	21.11					
3	16QAM	8	4	21.17	21.21	21.20					
3	16QAM	8	7	21.14	21.11	21.10	22.3	2			
3	16QAM	15	0	21.10	21.10	21.21					
3	84QAM	1	0	21.05	21.15	21.37					
3	84QAM	1	8	21.28	21.45	21.33	22.3	2			
3	84QAM	1	14	21.03	20.87	20.95					
3	84QAM	8	0	20.21	20.13	20.05					
3	84QAM	8	4	20.12	20.17	20.16	21.3	3			
3	84QAM	8	7	19.98	20.13	20.10					
3	84QAM	15	0	20.11	20.20	20.14					
Channel							19957	20175	20393		
Frequency (MHz)							1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.02	22.95	23.07	24.3	0			
1.4	QPSK	1	3	23.11	23.16	23.12					
1.4	QPSK	1	5	22.93	22.90	22.95					
1.4	QPSK	3	0	22.87	22.82	23.05	23.3	1			
1.4	QPSK	3	1	23.02	23.08	22.96					
1.4	QPSK	3	3	22.82	22.81	22.95					
1.4	QPSK	6	0	22.25	22.14	22.11	23.3	1			
1.4	16QAM	1	0	22.42	22.38	22.40					
1.4	16QAM	1	3	22.59	22.49	22.56					
1.4	16QAM	1	5	22.29	22.30	22.33	23.3	1			
1.4	16QAM	3	0	22.31	22.32	22.25					
1.4	16QAM	3	1	22.56	22.41	22.39					
1.4	16QAM	3	3	22.28	22.30	22.28	22.3	2			
1.4	16QAM	6	0	21.08	21.18	21.10					
1.4	84QAM	1	0	21.30	21.33	21.36					
1.4	84QAM	1	3	21.41	21.34	21.43	22.3	2			
1.4	84QAM	1	5	21.24	21.20	21.22					
1.4	84QAM	3	0	21.30	21.19	21.30					
1.4	84QAM	3	1	21.34	21.29	21.28	21.3	3			
1.4	84QAM	3	3	21.13	21.18	21.05					
1.4	84QAM	6	0	20.15	20.22	20.12					

### 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							20450	20525	20600		
Frequency (MHz)							829	836.5	844		
10	QPSK	1	0	18.84	18.81	18.84	20	0			
10	QPSK	1	25	18.99	19.00	18.95					
10	QPSK	1	49	18.83	18.86	18.79					
10	QPSK	25	0	18.94	18.96	18.90	20	0			
10	16QAM	25	25	18.87	18.85	18.90					
10	16QAM	25	25	18.90	18.85	18.84					
10	QPSK	50	0	18.84	18.94	18.92	20	0			
10	16QAM	1	0	18.98	18.92	18.95					
10	16QAM	1	25	18.87	18.89	18.80					
10	16QAM	1	49	18.92	18.94	18.81	20	0			
10	16QAM	25	0	18.88	18.98	18.77					
10	16QAM	25	12	18.84	18.92	18.88					
10	16QAM	25	25	18.87	18.85	18.90					





### 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.41	15.52	15.44	16.2	0
20	QPSK	1	49	15.60	15.66	15.58		
20	QPSK	1	99	15.52	15.53	15.56		
20	QPSK	50	0	15.25	15.60	15.58		
20	QPSK	50	24	15.47	15.55	15.51		
20	QPSK	50	50	15.50	15.52	15.57	16.2	0
20	QPSK	100	0	15.58	15.59	15.52		
20	16QAM	1	0	15.51	15.58	15.41		
20	16QAM	1	49	15.48	15.59	15.53	16.2	0
20	16QAM	1	99	15.48	15.59	15.55		
20	16QAM	50	0	15.52	15.56	15.45		
20	16QAM	50	24	15.42	15.52	15.43		
20	16QAM	50	50	15.49	15.51	15.46	16.2	0
20	16QAM	100	0	15.55	15.50	15.47		
20	64QAM	1	0	15.50	15.65	15.50		
20	64QAM	1	49	15.41	15.49	15.52	16.2	0
20	64QAM	1	99	15.48	15.50	15.55		
20	64QAM	50	0	15.44	15.48	15.51		
20	64QAM	50	24	15.43	15.62	15.51		
20	64QAM	50	50	15.47	15.56	15.48	16.2	0
20	64QAM	100	0	15.47	15.54	15.42		
Channel				20855	21100	21355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.26	15.49	15.40	16.2	0
15	QPSK	1	37	15.56	15.61	15.40		
15	QPSK	1	74	15.47	15.49	15.37		
15	QPSK	36	0	15.43	15.55	15.56		
15	QPSK	36	20	15.34	15.38	15.42		
15	QPSK	36	39	15.41	15.35	15.40	16.2	0
15	QPSK	75	0	15.58	15.40	15.46		
15	16QAM	1	0	15.46	15.49	15.32	16.2	0
15	16QAM	1	37	15.51	15.47	15.37		
15	16QAM	1	74	15.45	15.55	15.36		
15	16QAM	36	0	15.48	15.40	15.32		
15	16QAM	36	20	15.37	15.46	15.36	16.2	0
15	16QAM	36	39	15.38	15.41	15.30		
15	16QAM	75	0	15.44	15.44	15.41		
15	64QAM	1	0	15.43	15.56	15.44	16.2	0
15	64QAM	1	37	15.34	15.40	15.48		
15	64QAM	1	74	15.39	15.43	15.51		
15	64QAM	36	0	15.34	15.48	15.43		
15	64QAM	36	20	15.28	15.44	15.43	16.2	0
15	64QAM	36	39	15.47	15.44	15.36		
15	64QAM	75	0	15.42	15.38	15.36		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.32	15.35	15.29	16.2	0
10	QPSK	1	25	15.50	15.47	15.50		
10	QPSK	1	49	15.35	15.46	15.51		
10	QPSK	25	0	15.45	15.60	15.50	16.2	0
10	QPSK	25	12	15.34	15.43	15.43		
10	QPSK	25	25	15.42	15.41	15.40		
10	QPSK	50	0	15.52	15.52	15.33		
10	16QAM	1	0	15.33	15.42	15.41	16.2	0
10	16QAM	1	25	15.39	15.56	15.43		
10	16QAM	1	49	15.36	15.53	15.42		
10	16QAM	25	0	15.36	15.37	15.26		
10	16QAM	25	12	15.24	15.36	15.28	16.2	0
10	16QAM	25	25	15.39	15.40	15.29		
10	16QAM	50	0	15.40	15.44	15.31		
10	64QAM	1	0	15.38	15.49	15.45		
10	64QAM	1	25	15.39	15.44	15.36	16.2	0
10	64QAM	1	49	15.34	15.43	15.48		
10	64QAM	25	0	15.30	15.29	15.50		
10	64QAM	25	12	15.32	15.55	15.48	16.2	0
10	64QAM	25	25	15.30	15.52	15.45		
10	64QAM	50	0	15.38	15.53	15.31		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.35	15.33	15.30	16.2	0
5	QPSK	1	12	15.51	15.50	15.41		
5	QPSK	1	24	15.40	15.48	15.37		
5	QPSK	12	0	15.53	15.58	15.44		
5	QPSK	12	7	15.43	15.54	15.46	16.2	0
5	QPSK	12	13	15.49	15.39	15.51		
5	QPSK	25	0	15.45	15.44	15.49		
5	16QAM	1	0	15.48	15.41	15.34	16.2	0
5	16QAM	1	12	15.32	15.56	15.43		
5	16QAM	1	24	15.48	15.57	15.49		
5	16QAM	12	0	15.51	15.48	15.29		
5	16QAM	12	7	15.23	15.51	15.25	16.2	0
5	16QAM	12	13	15.34	15.38	15.34		
5	16QAM	25	0	15.54	15.32	15.35		
5	64QAM	1	0	15.39	15.61	15.35		
5	64QAM	1	12	15.23	15.31	15.51	16.2	0
5	64QAM	1	24	15.40	15.41	15.42		
5	64QAM	12	0	15.31	15.30	15.51		
5	64QAM	12	7	15.41	15.59	15.32	16.2	0
5	64QAM	12	13	15.33	15.51	15.40		
5	64QAM	25	0	15.40	15.41	15.30		

### Band 7\_Ant 11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.30	23.27	23.33	24.2	0
20	QPSK	1	49	23.45	23.52	23.50		
20	QPSK	1	99	23.29	23.33	23.45		
20	QPSK	50	0	22.39	22.50	22.47		
20	QPSK	50	24	22.37	22.33	22.35		
20	QPSK	50	50	22.28	22.37	22.37	23.2	1
20	QPSK	100	0	22.40	22.63	22.62		
20	16QAM	1	0	22.34	22.32	22.45		
20	16QAM	1	49	22.52	22.64	22.60	23.2	1
20	16QAM	1	99	22.39	22.54	22.57		
20	16QAM	50	0	21.20	21.35	21.30		
20	16QAM	50	24	21.39	21.51	21.50		
20	16QAM	50	50	21.29	21.32	21.45	22.2	2
20	16QAM	100	0	21.25	21.37	21.42		
20	64QAM	1	0	21.38	21.30	21.48		
20	64QAM	1	49	21.42	21.59	21.55	22.2	2
20	64QAM	1	99	21.33	21.62	21.60		
20	64QAM	50	0	20.26	20.34	20.40		
20	64QAM	50	24	20.30	20.35	20.42		
20	64QAM	50	50	20.27	20.34	20.45	21.2	3
20	64QAM	100	0	20.20	20.38	20.41		
Channel				20855	21100	21355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.24	23.13	23.23	24.2	0
15	QPSK	1	37	23.27	23.37	23.49		
15	QPSK	1	74	23.19	23.23	23.35		
15	QPSK	36	0	22.24	22.46	22.41		
15	QPSK	36	20	22.23	22.17	22.22		
15	QPSK	36	39	22.16	22.23	22.28	23.2	1
15	QPSK	75	0	22.33	22.44	22.61		
15	16QAM	1	0	22.33	22.18	22.35	23.2	1
15	16QAM	1	37	22.44	22.63	22.54		
15	16QAM	1	74	22.34	22.46	22.54		
15	16QAM	36	0	21.11	21.31	21.30		
15	16QAM	36	20	21.36	21.51	21.34		
15	16QAM	36	39	21.26	21.15	21.41	22.2	2
15	16QAM	75	0	21.14	21.27	21.41		
15	64QAM	1	0	21.21	21.19	21.34		
15	64QAM	1	37	21.27	21.56	21.54	22.2	2
15	64QAM	1	74	21.19	21.36	21.52		
15	64QAM	36	0	20.15	20.19	20.22		
15	64QAM	36	20	20.16	20.17	20.23	21.2	3
15	64QAM	36	39	20.08	20.17	20.45		
15	64QAM	75	0	20.06	20.27	20.26		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.21	23.20	23.32	24.2	0
10	QPSK	1	25	23.28	23.48	23.46		
10	QPSK	1	49	23.19	23.30	23.26		
10	QPSK	25	0	22.25	22.35	22.45	23.2	1
10	QPSK	25	12					





### 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							23230	
Frequency (MHz)							782	
10	QPSK	1	0	23.19			24.4	0
10	QPSK	1	25	23.25				
10	QPSK	1	49	23.22				
10	QPSK	25	0	22.24			23.4	1
10	QPSK	25	12	22.22				
10	QPSK	25	25	22.21				
10	QPSK	50	0	22.26				
10	16QAM	1	0	22.41			23.4	1
10	16QAM	1	25	22.49				
10	16QAM	1	49	22.40				
10	16QAM	25	0	21.26			22.4	2
10	16QAM	25	12	21.31				
10	16QAM	25	25	21.31				
10	16QAM	50	0	21.25				
10	64QAM	1	0	21.38			22.4	2
10	64QAM	1	25	21.44				
10	64QAM	1	49	21.43				
10	64QAM	25	0	20.29			21.4	3
10	64QAM	25	12	20.31				
10	64QAM	25	25	20.31				
10	64QAM	50	0	20.27				
Channel							23205	
Frequency (MHz)							782	
5	QPSK	1	0	22.90	22.82	22.82	24.4	0
5	QPSK	1	12	22.87	22.96	22.98		
5	QPSK	1	24	23.02	22.87	22.99		
5	QPSK	12	0	21.92	22.00	21.99	23.4	1
5	QPSK	12	7	21.85	21.87	21.99		
5	QPSK	12	13	21.83	21.94	21.87		
5	QPSK	25	0	21.87	22.04	22.02		
5	16QAM	1	0	22.09	22.03	22.15	23.4	1
5	16QAM	1	12	22.13	22.17	22.15		
5	16QAM	1	24	22.09	22.05	22.19		
5	16QAM	12	0	20.95	20.88	20.95	22.4	2
5	16QAM	12	7	21.02	21.01	21.06		
5	16QAM	12	13	20.94	21.05	20.97		
5	16QAM	25	0	21.03	21.00	20.92		
5	64QAM	1	0	21.13	21.05	21.09	22.4	2
5	64QAM	1	12	21.13	21.15	21.22		
5	64QAM	1	24	21.12	21.12	21.13		
5	64QAM	12	0	20.03	19.99	19.90	21.4	3
5	64QAM	12	7	20.03	20.03	20.07		
5	64QAM	12	13	20.01	19.97	20.08		
5	64QAM	25	0	19.89	19.88	19.94		

### 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							23925	
Frequency (MHz)							822.5	
15	QPSK	1	0	19.01			20	0
15	QPSK	1	37	19.04				
15	QPSK	1	74	18.92				
15	QPSK	36	0	18.96			20	0
15	QPSK	36	20	18.93				
15	QPSK	36	39	18.87				
15	QPSK	75	0	18.99				
15	16QAM	1	0	18.94			20	0
15	16QAM	1	37	18.98				
15	16QAM	1	74	18.97				
15	16QAM	36	0	18.97				
15	16QAM	36	20	18.93			20	0
15	16QAM	36	39	18.96				
15	16QAM	75	0	18.90				
15	64QAM	1	0	18.93			20	0
15	64QAM	1	37	18.92				
15	64QAM	1	74	18.94				
15	64QAM	36	0	18.93				
15	64QAM	36	20	18.88			20	0
15	64QAM	36	39	18.92				
15	64QAM	75	0	18.94				
Channel							23900	
Frequency (MHz)							820	
10	QPSK	1	0	19.00	18.96	18.96	20	0
10	QPSK	1	25	18.85	18.88	18.85		
10	QPSK	1	49	18.95	18.91	18.85		
10	QPSK	25	0	18.92	18.94	18.93	20	0
10	QPSK	25	12	18.95	18.99	18.97		
10	QPSK	25	25	18.94	18.93	18.90		
10	QPSK	50	0	18.89	18.90	18.88		
10	16QAM	1	0	18.97	18.93	18.97	20	0
10	16QAM	1	25	18.94	18.90	18.93		
10	16QAM	1	49	18.94	18.98	18.96		
10	16QAM	25	0	18.86	19.00	18.97	20	0
10	16QAM	25	12	18.90	18.97	18.86		
10	16QAM	25	25	19.00	19.01	19.00		
10	16QAM	50	0	18.92	18.91	18.94		
10	64QAM	1	0	18.84	18.86	18.93	20	0
10	64QAM	1	25	18.97	18.85	18.85		
10	64QAM	1	49	18.97	18.95	18.97		
10	64QAM	25	0	18.90	18.87	19.01	20	0
10	64QAM	25	12	19.00	19.03	19.02		
10	64QAM	25	25	18.84	18.84	18.85		
10	64QAM	50	0	18.95	18.97	18.96		
Channel							23875	
Frequency (MHz)							822.5	
5	QPSK	1	0	18.72	18.86	18.78	20	0
5	QPSK	1	12	19.02	19.02	18.98		
5	QPSK	1	24	18.85	18.81	18.68		
5	QPSK	12	0	18.92	18.91	18.82	20	0
5	QPSK	12	7	18.77	18.81	18.71		
5	QPSK	12	13	18.92	18.95	18.80		
5	QPSK	25	0	18.93	18.83	18.89		
5	16QAM	1	0	18.84	18.77	18.78	20	0
5	16QAM	1	12	18.74	18.73	18.83		
5	16QAM	1	24	18.87	18.88	18.79		
5	16QAM	12	0	18.89	18.71	18.86		
5	16QAM	12	7	18.82	18.89	18.86	20	0
5	16QAM	12	13	18.77	18.80	18.94		
5	16QAM	25	0	18.94	18.89	18.90		
5	64QAM	1	0	18.72	18.67	18.82	20	0
5	64QAM	1	12	18.77	18.88	18.74		
5	64QAM	1	24	18.97	18.95	18.90		
5	64QAM	12	0	18.88	18.93	18.74		
5	64QAM	12	7	18.67	18.67	18.83	20	0
5	64QAM	12	13	18.80	18.79	18.85		
5	64QAM	25	0	18.95	18.95	18.83		

### 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							23925	
Frequency (MHz)							822.5	
15	QPSK	1	0	23.56			24.9	0
15	QPSK	1	37	23.77				
15	QPSK	1	74	23.64				
15	QPSK	36	0	22.77			23.9	1
15	QPSK	36	20	22.75				
15	QPSK	36	39	22.70				
15	QPSK	75	0	22.73				
15	16QAM	1	0	22.81			23.9	1
15	16QAM	1	37	22.98				
15	16QAM	1	74	22.82				
15	16QAM	36	0	21.73			22.9	2
15	16QAM	36	20	21.74				
15	16QAM	36	39	21.74				
15	16QAM	75	0	21.72				
15	64QAM	1	0	21.71			22.9	2
15	64QAM	1	37	21.94				
15	64QAM	1	74	21.86				
15	64QAM	36	0	20.77			21.9	3
15	64QAM	36	20	20.78				
15	64QAM	36	39	20.79				
15	64QAM	75	0	20.74				
Channel							23900	
Frequency (MHz)							820	
10	QPSK	1	0	23.46	23.48	23.49	24.9	0
10	QPSK	1	25	23.70	23.69	23.68		
10	QPSK	1	49	23.59	23.52	23.57		
10	QPSK	25	0	22.76	22.77	22.76	23.9	1
10	QPSK	25	12	22.59	22.58	22.72		
10	QPSK	25	25	22.65	22.70	22.58		
10	QPSK	50	0	22.54	22.55	22.64		
10	16QAM	1	0	22.65	22.67	22.78	23.9	1
10	16QAM	1	25	22.93	22.96	22.91		
10	16QAM	1	49	22.67	22.69	22.75		
10	16QAM	25	0	21.73	21.59	21.58	22.9	2
10	16QAM	25	12	21.72	21.66	21.59		
10	16QAM	25	25	21.71	21.73	21.61		
10	16QAM	50	0	21.70	21.71	21.63		
10	64QAM	1	0	21.53	21.61	21.67	22.9	2
10	64QAM	1	25	21.82	21.85	21.80		
10	64QAM	1	49	21.81	21.81	21.69		



### 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							24075		
Frequency (MHz)							837.5		
15	QPSK	1	0	18.86			20	0	
15	QPSK	1	37	19.02					
15	QPSK	1	74	18.85					
15	QPSK	36	0	18.99			20	0	
15	QPSK	36	39	18.99					
15	QPSK	36	75	19.00					
15	16QAM	1	0	18.96			20	0	
15	16QAM	1	37	18.84					
15	16QAM	1	74	18.88					
15	16QAM	36	0	18.90			20	0	
15	16QAM	36	20	18.92					
15	16QAM	36	39	18.96					
15	16QAM	75	0	18.97			20	0	
15	64QAM	1	0	18.84					
15	64QAM	1	37	18.91					
15	64QAM	1	74	18.97			20	0	
15	64QAM	36	0	18.93					
15	64QAM	36	20	18.84					
15	64QAM	36	39	18.86			20	0	
15	64QAM	75	0	19.01					
15	64QAM	75	0	19.01					
Channel							24050	24075	24100
Frequency (MHz)							835	837.5	840
10	QPSK	1	0	18.75	18.84	18.80	20	0	
10	QPSK	1	25	18.97	18.86	18.99			
10	QPSK	1	49	18.67	18.72	18.67			
10	QPSK	25	0	18.84	18.84	18.89	20	0	
10	QPSK	25	12	18.80	18.76	18.77			
10	QPSK	25	25	18.85	18.86	18.85			
10	QPSK	50	0	18.90	18.81	18.85	20	0	
10	16QAM	1	0	18.90	18.92	18.87			
10	16QAM	1	25	18.76	18.78	18.81			
10	16QAM	1	49	18.96	18.73	18.72	20	0	
10	16QAM	25	0	18.80	18.78	18.80			
10	16QAM	25	12	18.91	18.75	18.80			
10	16QAM	25	25	18.82	18.78	18.83	20	0	
10	16QAM	50	0	18.89	18.90	18.97			
10	64QAM	1	0	18.80	18.74	18.84			
10	64QAM	1	25	18.90	18.86	18.90	20	0	
10	64QAM	1	49	18.86	18.96	18.92			
10	64QAM	25	0	18.93	18.89	18.82			
10	64QAM	25	12	18.74	18.66	18.71	20	0	
10	64QAM	25	25	18.75	18.67	18.84			
10	64QAM	50	0	19.00	18.87	18.91			
Channel							24025	24075	24125
Frequency (MHz)							832.5	837.5	842.5
5	QPSK	1	0	18.85	18.84	18.69	20	0	
5	QPSK	1	12	18.98	19.02	18.83			
5	QPSK	1	24	18.74	18.76	18.74			
5	QPSK	12	0	18.85	18.85	18.91	20	0	
5	QPSK	12	7	18.82	18.72	18.73			
5	QPSK	12	13	18.83	18.86	18.85			
5	QPSK	25	0	18.87	18.94	18.90	20	0	
5	16QAM	1	0	18.87	18.85	18.89			
5	16QAM	1	12	18.72	18.77	18.73			
5	16QAM	1	24	18.87	18.84	18.87	20	0	
5	16QAM	12	0	18.90	18.73	18.84			
5	16QAM	12	7	18.81	18.90	18.79			
5	16QAM	12	13	18.78	18.84	18.96	20	0	
5	16QAM	25	0	18.84	18.96	18.84			
5	64QAM	1	0	18.70	18.77	18.68			
5	64QAM	1	12	18.91	18.84	18.78	20	0	
5	64QAM	1	24	18.89	18.83	18.87			
5	64QAM	12	0	18.89	18.88	18.89			
5	64QAM	12	7	18.76	18.66	18.67	20	0	
5	64QAM	12	13	18.82	18.80	18.70			
5	64QAM	25	0	18.90	18.93	19.01			

### 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							24075		
Frequency (MHz)							837.5		
15	QPSK	1	0	23.61			24.9	0	
15	QPSK	1	37	23.79					
15	QPSK	1	74	23.63					
15	QPSK	36	0	22.86			23.9	1	
15	QPSK	36	20	22.80					
15	QPSK	36	39	22.77					
15	QPSK	75	0	22.78			23.9	1	
15	16QAM	1	0	22.77					
15	16QAM	1	37	23.10					
15	16QAM	1	74	22.80			22.9	2	
15	16QAM	36	0	21.78					
15	16QAM	36	20	21.79					
15	16QAM	36	39	21.71			22.9	2	
15	16QAM	75	0	21.77					
15	64QAM	1	0	21.76					
15	64QAM	1	37	22.12			21.9	3	
15	64QAM	1	74	21.76					
15	64QAM	36	0	20.81					
15	64QAM	36	20	20.83			21.9	3	
15	64QAM	36	39	20.78					
15	64QAM	75	0	20.72					
Channel							24050	24075	24100
Frequency (MHz)							835	837.5	840
10	QPSK	1	0	23.50	23.60	23.45	24.9	0	
10	QPSK	1	25	23.68	23.77	23.68			
10	QPSK	1	49	23.59	23.55	23.62			
10	QPSK	25	0	22.74	22.73	22.85	23.9	1	
10	QPSK	25	12	22.66	22.69	22.74			
10	QPSK	25	25	22.74	22.59	22.59			
10	QPSK	50	0	22.78	22.60	22.65	23.9	1	
10	16QAM	1	0	22.72	22.77	22.68			
10	16QAM	1	25	23.00	22.98	22.93			
10	16QAM	1	49	22.76	22.70	22.64	22.9	2	
10	16QAM	25	0	21.76	21.62	21.65			
10	16QAM	25	12	21.77	21.75	21.72			
10	16QAM	25	25	21.52	21.58	21.52	22.9	2	
10	16QAM	50	0	21.66	21.64	21.65			
10	64QAM	1	0	21.67	21.67	21.65			
10	64QAM	1	25	21.97	21.95	22.04	22.9	2	
10	64QAM	1	49	21.71	21.70	21.65			
10	64QAM	25	0	20.74	20.63	20.63			
10	64QAM	25	12	20.80	20.66	20.80	21.9	3	
10	64QAM	25	25	20.71	20.61	20.76			
10	64QAM	50	0	20.59	20.59	20.72			
Channel							24025	24075	24125
Frequency (MHz)							832.5	837.5	842.5
5	QPSK	1	0	23.56	23.52	23.53	24.9	0	
5	QPSK	1	12	23.64	23.75	23.75			
5	QPSK	1	24	23.63	23.63	23.50			
5	QPSK	12	0	22.86	22.69	22.76	23.9	1	
5	QPSK	12	7	22.88	22.63	22.68			
5	QPSK	12	13	22.67	22.72	22.85			
5	QPSK	25	0	22.63	22.75	22.69	23.9	1	
5	16QAM	1	0	22.60	22.61	22.64			
5	16QAM	1	12	23.08	23.04	23.01			
5	16QAM	1	24	22.77	22.76	22.70	22.9	2	
5	16QAM	12	0	21.72	21.65	21.68			
5	16QAM	12	7	21.71	21.76	21.75			
5	16QAM	12	13	21.64	21.58	21.65	22.9	2	
5	16QAM	25	0	21.66	21.77	21.75			
5	64QAM	1	0	21.57	21.65	21.66			
5	64QAM	1	12	22.00	22.06	22.03	22.9	2	
5	64QAM	1	24	21.69	21.72	21.71			
5	64QAM	12	0	20.79	20.81	20.65			
5	64QAM	12	7	20.77	20.79	20.81	21.9	3	
5	64QAM	12	13	20.72	20.74	20.63			
5	64QAM	25	0	20.69	20.60	20.72			

### 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							26785	26885	26985
Frequency (MHz)							821.5	831.5	841.5
15	QPSK	1	0	19.00	18.97	18.90	20	0	
15	QPSK	1	37	19.06	19.10	19.05			
15	QPSK	1	74	18.87	19.00	18.98			
15	QPSK	36	0	19.02	19.08	19.00	20	0	
15	QPSK	36	20	18.98	19.05	18.99			
15	QPSK	36	39	19.00	18.96	18.96			
15	QPSK	75	0	18.92	18.99	18.95	20	0	
15	16QAM	1	0	18.93	18.94	19.04			
15	16QAM	1	37	19.03	19.08	19.03			
15	16QAM	1	74	19.03	18.95	18.97	20	0	
15	16QAM	36	0	18.99	19.04	19.01			
15	16QAM	36	20	18.95	19.02	18.96			
15	16QAM	36	39	18.94	18.95	18.92	20	0	
15	16QAM	75	0	18.90	18.96	18.98			
15	64QAM	1	0	19.04	18.97	19.05			
15	64QAM	1	37	19.03	19.01	18.90	20	0	
15	64QAM	1	74	18.95	18.96	18.88			
15	64QAM	36	0	18.94	18.94	18.91			
15	64QAM	36	20	19.06	19.08	18.92	20	0	
15	64QAM	36	39	18.97</					



### 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							26785	26885	26985
Frequency (MHz)							821.5	831.5	841.5
15	QPSK	1	0	23.52	23.54	23.58	24.9	0	
15	QPSK	1	37	23.75	23.88	23.83			
15	QPSK	1	74	23.62	23.59	23.67			
15	QPSK	36	0	22.79	22.80	22.78	23.9	1	
15	QPSK	36	39	22.74	22.67	22.71			
15	QPSK	36	75	22.70	22.75	22.72			
15	16QAM	1	0	22.82	22.83	22.85	23.9	1	
15	16QAM	1	37	23.05	23.03	22.98			
15	16QAM	1	74	22.81	22.83	22.90			
15	16QAM	36	0	21.65	21.65	21.73	22.9	2	
15	16QAM	36	20	21.69	21.69	21.74			
15	16QAM	36	39	21.74	21.65	21.67			
15	16QAM	75	0	21.72	21.65	21.75	22.9	2	
15	16QAM	75	0	21.69	21.68	21.77			
15	16QAM	75	0	21.91	21.93	21.87			
15	16QAM	1	74	21.76	21.72	21.79	21.9	3	
15	16QAM	36	0	20.71	20.71	20.81			
15	16QAM	36	20	20.76	20.76	20.77			
15	16QAM	36	39	20.77	20.70	20.69	21.9	3	
15	16QAM	75	0	20.70	20.65	20.75			
Channel									26740
Frequency (MHz)							810	831.5	844
10	QPSK	1	0	23.38	23.37	23.46	24.9	0	
10	QPSK	1	25	23.59	23.79	23.66			
10	QPSK	1	49	23.48	23.59	23.57			
10	QPSK	25	0	22.66	22.73	22.64	23.9	1	
10	QPSK	25	12	22.74	22.55	22.74			
10	QPSK	25	25	22.73	22.56	22.55			
10	QPSK	50	0	22.57	22.69	22.65	23.9	1	
10	16QAM	1	0	22.81	22.80	22.72			
10	16QAM	1	25	22.92	23.03	22.98			
10	16QAM	1	49	22.69	22.77	22.74	22.9	2	
10	16QAM	25	0	21.49	21.46	21.60			
10	16QAM	25	12	21.50	21.61	21.70			
10	16QAM	25	25	21.59	21.55	21.66	22.9	2	
10	16QAM	50	0	21.64	21.61	21.72			
10	16QAM	50	0	21.69	21.52	21.61			
10	16QAM	1	25	21.81	21.82	21.88	22.9	2	
10	16QAM	1	49	21.60	21.65	21.73			
10	16QAM	25	0	20.58	20.52	20.64			
10	16QAM	25	12	20.58	20.64	20.60	21.9	3	
10	16QAM	25	25	20.73	20.60	20.52			
10	16QAM	50	0	20.68	20.52	20.75			
Channel							26715	26885	27015
Frequency (MHz)							816.5	831.5	846.5
5	QPSK	1	0	23.45	23.41	23.51	24.9	0	
5	QPSK	1	12	23.63	23.86	23.83			
5	QPSK	1	24	23.58	23.56	23.58			
5	QPSK	12	0	22.72	22.75	22.78	23.9	1	
5	QPSK	12	7	22.70	22.64	22.67			
5	QPSK	12	13	22.69	22.54	22.69			
5	QPSK	25	0	22.61	22.73	22.61	23.9	1	
5	16QAM	1	0	22.63	22.66	22.74			
5	16QAM	1	12	22.88	22.97	22.92			
5	16QAM	1	24	22.79	22.72	22.84	22.9	2	
5	16QAM	12	0	21.57	21.54	21.66			
5	16QAM	12	7	21.51	21.50	21.68			
5	16QAM	12	13	21.73	21.61	21.60	22.9	2	
5	16QAM	25	0	21.59	21.62	21.64			
5	16QAM	25	0	21.69	21.63	21.71			
5	16QAM	1	24	21.73	21.72	21.62	21.9	3	
5	16QAM	12	0	20.62	20.53	20.66			
5	16QAM	12	7	20.68	20.68	20.64			
5	16QAM	12	13	20.64	20.70	20.61	21.9	3	
5	16QAM	25	0	20.59	20.60	20.75			
Channel									26706
Frequency (MHz)							815.5	831.5	847.5
3	QPSK	1	0	23.48	23.44	23.53	24.9	0	
3	QPSK	1	8	23.57	23.74	23.66			
3	QPSK	1	14	23.46	23.58	23.62			
3	QPSK	8	0	22.72	22.77	22.59	23.9	1	
3	QPSK	8	4	22.55	22.51	22.62			
3	QPSK	8	7	22.65	22.52	22.55			
3	QPSK	15	0	22.67	22.68	22.65	23.9	1	
3	16QAM	1	0	22.69	22.82	22.84			
3	16QAM	1	8	22.91	22.91	22.92			
3	16QAM	1	14	22.63	22.75	22.82	22.9	2	
3	16QAM	8	0	21.48	21.49	21.60			
3	16QAM	8	4	21.55	21.63	21.64			
3	16QAM	8	7	21.61	21.55	21.59	22.9	2	
3	16QAM	15	0	21.53	21.50	21.73			
3	16QAM	1	0	21.64	21.62	21.67			
3	16QAM	1	8	21.87	21.86	21.85	22.9	2	
3	16QAM	1	14	21.71	21.65	21.68			
3	16QAM	8	0	20.68	20.61	20.72			
3	16QAM	8	4	20.65	20.66	20.62	21.9	3	
3	16QAM	8	7	20.61	20.57	20.57			
3	16QAM	15	0	20.66	20.61	20.73			
Channel							26697	26885	27033
Frequency (MHz)							814.7	831.5	848.3
1.4	QPSK	1	0	23.70	23.66	23.69	24.9	0	
1.4	QPSK	1	3	23.75	23.79	23.73			
1.4	QPSK	1	5	23.72	23.65	23.65			
1.4	QPSK	3	0	23.57	23.48	23.60	23.9	1	
1.4	QPSK	3	1	23.65	23.77	23.71			
1.4	QPSK	3	3	23.61	23.47	23.56			
1.4	QPSK	6	0	22.64	22.71	22.69	23.9	1	
1.4	16QAM	1	0	22.79	22.83	22.80			
1.4	16QAM	1	3	22.99	23.02	22.93			
1.4	16QAM	1	5	22.87	22.85	22.90	23.9	1	
1.4	16QAM	3	0	22.79	22.76	22.74			
1.4	16QAM	3	1	22.90	22.86	22.92			
1.4	16QAM	3	3	22.71	22.79	22.82	22.9	2	
1.4	16QAM	6	0	21.60	21.61	21.66			
1.4	16QAM	6	0	21.66	21.69	21.64			
1.4	16QAM	1	3	21.83	21.75	21.75	22.9	2	
1.4	16QAM	1	5	21.74	21.65	21.67			
1.4	16QAM	3	0	21.63	21.62	21.63			
1.4	16QAM	3	1	21.68	21.56	21.57	21.9	3	
1.4	16QAM	3	3	21.74	21.49	21.60			
1.4	16QAM	6	0	20.59	20.57	20.63			

### 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							132072	132322	132572
Frequency (MHz)							1720	1745	1770
20	QPSK	1	0	12.32	12.33	12.19	13	0	
20	QPSK	1	49	12.33	12.36	12.28			
20	QPSK	1	99	12.28	12.25	12.21			
20	QPSK	50	0	12.30	12.32	12.24	13	0	
20	QPSK	50	50	12.32	12.22	12.29			
20	QPSK	50	50	12.24	12.20	12.20			
20	QPSK	100	0	12.18	12.25	12.17	13	0	
20	16QAM	1	0	12.33	12.32	12.21			
20	16QAM	1	49	12.17	12.27	12.18			
20	16QAM	1	99	12.29	12.24	12.18	13	0	
20	16QAM	50	0	12.29	12.30	12.23			
20	16QAM	50	24	12.19	12.35	12.33			
20	16QAM	50	50	12.32	12.22	12.29	13	0	
20	16QAM	100	0	12.14	12.27	12.18			
20	16QAM	1	0	12.20	12.18	12.11			
20	16QAM	1	49	12.26	12.19	12.21	13	0	
20	16QAM	1	99	12.28	12.30	12.27			
20	16QAM	50	0	12.24	12.35	12.30			
20	16QAM	50	24	12.24	12.30	12.18	13	0	
20	16QAM	50	50	12.20	12.27	12.17			
20	16QAM	100	0	12.23	12.14	12.14			
Channel							132047	132322	132597
Frequency (MHz)							1717.5	1745	1772.5
15	QPSK	1	0	12.13	12.18	12.03	13	0	
15	QPSK	1	37	12.19	12.19	12.11			
15	QPSK	1	74	12.11	12.11	12.05			
15	QPSK	36	0	12.22	12.27	12.19	13	0	
15	QPSK	36	20	12.16	12.10	12.01			
15	QPSK	36	39	12.06	12.09	12.03			
15	QPSK	75	0	12.02	12.21	12.01	13	0	
15	16QAM	1	0	12.25	12.20	12.05			
15	16QAM	1	37	12.11	12.10	12.15			
15	16QAM	1	74	12.20	12.08	12.03	13	0	
15	16QAM	36	0	12.12	12.22	12.09			
15	16QAM	36	20	12.02	12.20	12.18			
15	16QAM	36	39	12.19	12.01	12.11	13	0	
15	16QAM	75	0	11.99	12.11	12.02			
15	16QAM	75	0	12.04	12.00	11.93			
15	16QAM	1	37	12.09	12.05	12.10	13	0	
15	16QAM	1	74						



### Band 38\_Ant 13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	16.28	16.23	16.36	17.5	0
20	QPSK	1	49	16.35	16.40	16.37		
20	QPSK	1	99	16.22	16.30	16.32		
20	QPSK	50	0	16.26	16.31	16.22	17.5	0
20	QPSK	50	24	16.16	16.35	16.35		
20	QPSK	50	50	16.22	16.30	16.22		
20	QPSK	100	0	16.28	16.29	16.21	17.5	0
20	16QAM	1	0	16.24	16.32	16.37		
20	16QAM	1	49	16.34	16.32	16.34		
20	16QAM	1	99	16.34	16.27	16.18	17.5	0
20	16QAM	50	0	16.35	16.32	16.35		
20	16QAM	50	24	16.25	16.24	16.20		
20	16QAM	100	0	16.17	16.36	16.37	17.5	0
20	64QAM	1	0	16.30	16.25	16.20		
20	64QAM	1	49	16.24	16.25	16.33		
20	64QAM	1	99	16.23	16.32	16.31	17.5	0
20	64QAM	50	0	16.30	16.34	16.31		
20	64QAM	50	24	16.19	16.24	16.31		
20	64QAM	50	50	16.25	16.39	16.32	17.5	0
20	64QAM	100	0	16.32	16.28	16.37		
20	64QAM	100	0	16.32	16.28	16.37		
Channel				37725	38000	38125		
Frequency (MHz)				2575	2595	2612.5		
15	QPSK	1	0	16.20	16.12	16.17	17.5	0
15	QPSK	1	37	16.16	16.40	16.24		
15	QPSK	1	74	16.11	16.20	16.27		
15	QPSK	36	0	16.20	16.30	16.10	17.5	0
15	QPSK	36	20	16.09	16.26	16.20		
15	QPSK	36	39	16.06	16.25	16.09		
15	QPSK	75	0	16.16	16.17	16.18	17.5	0
15	16QAM	1	0	16.20	16.23	16.20		
15	16QAM	1	37	16.26	16.24	16.22		
15	16QAM	1	74	16.25	16.17	16.10	17.5	0
15	16QAM	36	0	16.25	16.13	16.30		
15	16QAM	36	20	16.08	16.06	16.09		
15	16QAM	36	39	15.98	16.28	16.16	17.5	0
15	16QAM	75	0	16.04	16.32	16.24		
15	64QAM	1	0	16.26	16.06	16.06		
15	64QAM	1	37	16.21	16.08	16.16	17.5	0
15	64QAM	1	74	16.06	16.32	16.16		
15	64QAM	36	0	16.11	16.24	16.12		
15	64QAM	36	20	16.14	16.07	16.28	17.5	0
15	64QAM	36	39	16.10	16.23	16.07		
15	64QAM	75	0	16.22	16.24	16.34		
Channel				37800	38000	38200		
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	16.21	16.21	16.29	17.5	0
10	QPSK	1	25	16.24	16.22	16.19		
10	QPSK	1	49	16.11	16.15	16.15		
10	QPSK	25	0	16.11	16.30	16.10	17.5	0
10	QPSK	25	12	16.12	16.26	16.13		
10	QPSK	25	25	16.08	16.23	16.10		
10	QPSK	50	0	16.15	16.22	16.08	17.5	0
10	16QAM	1	0	16.21	16.19	16.35		
10	16QAM	1	25	16.27	16.17	16.18		
10	16QAM	1	49	16.24	16.23	16.00	17.5	0
10	16QAM	25	0	16.27	16.28	16.26		
10	16QAM	25	12	16.14	16.11	16.13		
10	16QAM	50	0	16.10	16.32	16.32	17.5	0
10	64QAM	1	0	16.11	16.17	16.05		
10	64QAM	1	25	16.12	16.10	16.14		
10	64QAM	1	49	16.16	16.27	16.30	17.5	0
10	64QAM	25	0	16.25	16.26	16.22		
10	64QAM	25	12	16.00	16.10	16.16		
10	64QAM	25	25	16.23	16.22	16.15	17.5	0
10	64QAM	50	0	16.20	16.23	16.30		
10	64QAM	50	0	16.20	16.23	16.30		
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	16.26	16.08	16.17	17.5	0
5	QPSK	1	12	16.21	16.34	16.28		
5	QPSK	1	24	16.10	16.25	16.17		
5	QPSK	12	0	16.24	16.18	16.17	17.5	0
5	QPSK	12	7	16.17	16.19	16.20		
5	QPSK	12	13	16.13	16.23	16.21		
5	QPSK	25	0	16.22	16.20	16.17	17.5	0
5	16QAM	1	0	16.14	16.20	16.32		
5	16QAM	1	12	16.26	16.32	16.30		
5	16QAM	1	24	16.26	16.10	16.07	17.5	0
5	16QAM	12	0	16.20	16.16	16.34		
5	16QAM	12	7	16.17	16.13	16.04		
5	16QAM	12	13	16.09	16.17	16.26	17.5	0
5	16QAM	25	0	15.98	16.33	16.32		
5	64QAM	1	0	16.23	16.12	16.04		
5	64QAM	1	12	16.20	16.21	16.24	17.5	0
5	64QAM	1	24	16.16	16.15	16.15		
5	64QAM	12	0	16.21	16.23	16.12		
5	64QAM	12	7	16.12	16.24	16.12	17.5	0
5	64QAM	12	13	16.17	16.36	16.05		
5	64QAM	25	0	16.13	16.18	16.19		

### Band 38\_Ant 31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.10	23.14	23.13	24.2	0
20	QPSK	1	49	23.25	23.33	23.32		
20	QPSK	1	99	23.17	23.20	23.15		
20	QPSK	50	0	22.25	22.22	22.22	23.2	1
20	QPSK	50	24	22.14	22.05	22.16		
20	QPSK	50	50	22.11	22.01	22.10		
20	QPSK	100	0	22.27	22.28	22.20	23.2	1
20	16QAM	1	0	22.20	22.20	22.15		
20	16QAM	1	49	22.39	22.21	22.41		
20	16QAM	1	99	22.25	22.13	22.09	22.2	2
20	16QAM	50	0	21.22	21.03	21.26		
20	16QAM	50	24	21.26	21.13	21.26		
20	16QAM	100	0	21.27	21.16	21.26	22.2	2
20	16QAM	100	0	21.28	21.10	21.22		
20	64QAM	1	0	20.93	20.88	20.76		
20	64QAM	1	49	21.03	21.02	21.00	22.2	2
20	64QAM	1	99	20.89	20.74	20.76		
20	64QAM	50	0	20.25	20.13	20.20		
20	64QAM	50	24	20.25	20.12	20.22	21.2	3
20	64QAM	50	50	20.24	20.14	20.28		
20	64QAM	100	0	20.20	20.07	20.20		
Channel				37625	38000	38175		
Frequency (MHz)				2572.5	2595	2612.5		
15	QPSK	1	0	22.97	23.00	22.97	24.2	0
15	QPSK	1	37	23.21	23.19	23.24		
15	QPSK	1	74	23.16	23.01	23.05		
15	QPSK	36	0	22.05	22.07	22.10	23.2	1
15	QPSK	36	20	22.13	21.94	21.97		
15	QPSK	36	39	22.11	21.82	22.00		
15	QPSK	75	0	22.11	22.20	22.11	23.2	1
15	16QAM	1	0	22.09	22.08	22.10		
15	16QAM	1	37	22.36	22.17	22.35		
15	16QAM	1	74	22.12	22.00	21.95	22.2	2
15	16QAM	36	0	21.12	20.94	21.28		
15	16QAM	36	20	21.23	20.98	21.19		
15	16QAM	36	39	21.22	21.15	21.08	22.2	2
15	16QAM	75	0	21.12	21.05	21.07		
15	64QAM	1	0	20.92	20.70	20.65		
15	64QAM	1	37	20.86	20.96	20.84	22.2	2
15	64QAM	1	74	20.76	20.56	20.73		
15	64QAM	36	0	20.06	20.04	20.10		
15	64QAM	36	20	20.23	19.97	20.06	21.2	3
15	64QAM	36	39	20.14	20.03	20.10		
15	64QAM	75	0	20.25	19.94	20.15		
Channel				37800	38000	38200		
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.92	23.11	22.94	24.2	0
10	QPSK	1	25	23.11	23.21	23.31		
10	QPSK	1	49	23.14	23.19	22.98		
10	QPSK	25	0	22.01	22.02	22.16	23.2	1
10	QPSK	25	12	21.86	21.86	22.11		
10	QPSK	25	25	22.01	21.95	21.93		
10	QPSK	50	0	22.22	22.22	22.14	23.2	1
10	16QAM	1	0	22.14	22.17	22.11		
10	16QAM	1	25	22.37	22.12	22.23		
10	16QAM	1	49	22.24	22.05	21.94	22.2	2
10	16QAM	25	0	21.15	20.94	21.10		
10	16QAM	25	12	21.09	20.96	21.14		
10	16QAM	50	0</					



### Band 41\_Ant 31

BW [MHz]	Modulation	RB Size	RB Onset	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				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	23.20	23.23	23.20	23.28	23.21	24.2	0
20	QPSK	1	49	23.33	23.35	23.40	23.39	23.32		
20	QPSK	1	99	23.23	23.26	23.29	23.22	23.19		
20	QPSK	50	0	22.11	22.25	22.30	22.28	22.22	23.2	1
20	QPSK	50	24	22.18	22.16	22.17	22.27	22.06		
20	QPSK	50	50	22.08	22.24	22.18	22.24	22.00		
20	QPSK	100	0	22.24	22.30	22.35	22.27	22.22	23.2	1
20	16QAM	1	0	22.21	22.26	22.27	22.25	22.22		
20	16QAM	1	49	22.44	22.50	22.42	22.40	22.38		
20	16QAM	1	99	22.23	22.35	22.25	22.39	22.20	22.2	2
20	16QAM	50	0	21.20	21.33	21.18	21.34	21.26		
20	16QAM	50	24	21.19	21.44	21.22	21.43	21.32		
20	16QAM	50	50	21.18	21.46	21.20	21.45	21.20	22.2	2
20	16QAM	100	0	21.20	21.47	21.30	21.48	21.21		
20	64QAM	1	0	21.00	20.95	21.02	21.05	20.94		
20	64QAM	1	49	21.16	21.15	21.18	21.20	21.15	22.2	2
20	64QAM	1	99	20.99	21.11	20.93	21.02	20.98		
20	64QAM	50	0	20.30	20.23	20.20	20.21	20.30		
20	64QAM	50	24	20.26	20.30	20.25	20.22	20.28	21.2	3
20	64QAM	50	50	20.18	20.24	20.30	20.29	20.20		
20	64QAM	100	0	20.22	20.46	20.23	20.49	20.24		
Channel				40115	40318	40640	40863	41165		
Frequency (MHz)				2542.3	2569.8	2595	2621.3	2647.3		
15	QPSK	1	0	23.12	23.06	23.11	23.14	23.13	24.2	0
15	QPSK	1	37	23.21	23.33	23.36	23.31	23.20		
15	QPSK	1	74	23.21	23.19	23.11	23.06	23.14		
15	QPSK	36	0	22.11	22.19	22.26	22.17	22.13	23.2	1
15	QPSK	36	20	21.91	22.03	22.16	22.22	21.95		
15	QPSK	36	39	22.08	22.10	22.09	22.20	21.94		
15	QPSK	75	0	22.24	22.23	22.16	22.09	22.13	23.2	1
15	16QAM	1	0	22.21	22.07	22.11	22.06	22.18		
15	16QAM	1	37	22.25	22.46	22.40	22.34	22.21		
15	16QAM	1	74	22.16	22.18	22.19	22.25	22.01	22.2	2
15	16QAM	36	0	21.20	21.21	21.11	21.28	21.13		
15	16QAM	36	20	21.11	21.29	21.15	21.43	21.31		
15	16QAM	36	39	21.09	21.29	21.01	21.34	21.04	22.2	2
15	16QAM	75	0	21.20	21.29	21.21	21.48	21.13		
15	64QAM	1	0	20.83	20.81	20.86	20.87	20.86		
15	64QAM	1	37	21.07	21.00	21.13	21.04	21.05	22.2	2
15	64QAM	36	0	20.99	21.02	20.91	20.97	20.96		
15	64QAM	36	20	20.16	20.22	20.12	20.10	20.25		
15	64QAM	36	39	20.17	20.12	20.14	20.18	20.23	21.2	3
15	64QAM	36	75	20.03	20.21	20.17	20.16	20.16		
15	64QAM	75	0	20.17	20.34	20.15	20.36	20.23		
Channel				40090	40365	40640	40915	41190		
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	23.06	23.18	23.08	23.20	23.20	24.2	0
10	QPSK	1	25	23.32	23.31	23.34	23.24	23.27		
10	QPSK	1	49	23.17	23.19	23.22	23.08	23.02		
10	QPSK	25	0	21.94	22.25	22.23	22.22	22.06	23.2	1
10	QPSK	25	12	22.07	22.16	22.03	22.04	22.02		
10	QPSK	25	25	22.02	22.24	22.18	22.08	21.95		
10	QPSK	50	0	22.11	22.15	22.35	22.24	22.06	23.2	1
10	16QAM	1	0	22.17	22.26	22.12	22.11	22.04		
10	16QAM	1	25	22.28	22.43	22.34	22.38	22.20		
10	16QAM	1	49	22.18	22.21	22.23	22.25	22.17	22.2	2
10	16QAM	25	0	21.11	21.14	21.09	21.18	21.19		
10	16QAM	25	12	21.00	21.39	21.11	21.30	21.15		
10	16QAM	25	25	21.11	21.38	21.05	21.37	21.04	22.2	2
10	16QAM	50	0	21.17	21.36	21.25	21.31	21.09		
10	64QAM	1	0	20.92	20.79	20.84	20.99	20.90		
10	64QAM	1	25	21.04	21.12	21.11	21.18	21.02	22.2	2
10	64QAM	1	49	20.86	21.11	20.84	20.99	20.93		
10	64QAM	25	0	20.26	20.19	20.20	20.17	20.24		
10	64QAM	25	12	20.20	20.15	20.13	20.20	20.20	21.2	3
10	64QAM	25	25	19.99	20.08	20.16	20.27	20.15		
10	64QAM	50	0	20.07	20.33	20.21	20.46	20.05		
Channel				40065	40353	40640	40833	41215		
Frequency (MHz)				2537.3	2569.3	2595	2629.88	2652.3		
5	QPSK	1	0	23.07	23.20	23.04	23.19	23.02	24.2	0
5	QPSK	1	12	23.30	23.21	23.27	23.30	23.22		
5	QPSK	1	24	23.05	23.07	23.27	23.13	23.06		
5	QPSK	12	0	22.06	22.16	22.21	22.14	22.03	23.2	1
5	QPSK	12	7	22.08	22.07	22.07	22.05	22.06		
5	QPSK	12	13	21.96	22.07	22.17	22.15	21.82		
5	QPSK	25	0	22.22	22.25	22.26	22.11	22.11	23.2	1
5	16QAM	1	0	22.11	22.11	22.12	22.15	22.19		
5	16QAM	1	12	22.41	22.40	22.23	22.39	22.37		
5	16QAM	1	24	22.20	22.31	22.21	22.34	22.15	22.2	2
5	16QAM	12	0	21.01	21.29	21.08	21.17	21.12		
5	16QAM	12	7	21.12	21.41	21.17	21.34	21.25		
5	16QAM	12	13	21.02	21.41	21.01	21.41	21.17	22.2	2
5	16QAM	25	0	21.19	21.42	21.19	21.46	21.07		
5	64QAM	1	0	20.99	20.82	20.90	20.84	20.81		
5	64QAM	1	12	21.05	21.13	21.15	21.06	20.98	22.2	2
5	64QAM	1	24	20.97	21.02	20.74	20.92	20.92		
5	64QAM	12	0	20.21	20.14	20.19	20.09	20.22		
5	64QAM	12	7	20.10	20.17	20.13	20.08	20.14	21.2	3
5	64QAM	12	13	20.10	20.19	20.11	20.18	20.03		
5	64QAM	25	0	20.20	20.36	20.12	20.35	20.19		



WiFi&Bluetooth power

2.4GHz WLAN_Ant 22				Full Power			Head		Body & Extremity Standalone		Hotspot&Body&Extremity 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	Average power (dBm)	Tune-up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.10	18.00	16.20	17.00	17.10	18.00	17.10	18.00	99.45	
		6	2437	17.40	18.00	16.30	17.00	17.40	18.00	17.40	18.00		
		11	2462	17.30	18.00	16.40	17.00	17.30	18.00	17.30	18.00		
	802.11g 6Mbps	1	2412	12.90	14.00		14.00	12.90	14.00	12.90	14.00	96.97	
		2	2417	16.70	18.00		17.00	16.70	18.00	16.70	18.00		
		6	2437	16.90	18.00		17.00	16.90	18.00	16.90	18.00		
	802.11n-HT20 MCS0	1	2412	12.70	14.00		13.00	12.70	14.00	12.70	14.00	96.76	
		2	2417	15.60	17.00		14.00	15.60	17.00	15.60	17.00		
		6	2437	15.80	17.00		17.00	15.80	17.00	15.80	17.00		
	802.11n-HT40 MCS0	3	2422	12.10	13.00		13.00	12.10	13.00	12.10	13.00	96.76	
		8	2437	14.10	15.00		15.00	14.10	15.00	14.10	15.00		
		9	2452	11.80	13.00		13.00	11.80	13.00	11.80	13.00		
802.11vHT20 MCS0	1	2412	12.69	14.00		14.00	12.69	14.00	12.69	14.00	96.79		
	6	2437	15.77	17.00		17.00	15.77	17.00	15.77	17.00			
	11	2462	12.28	13.00		13.00	12.28	13.00	12.28	13.00			
802.11vHT40 MCS0	3	2422	12.08	13.00		13.00	12.08	13.00	12.08	13.00	96.81		
	6	2437	14.09	15.00		15.00	14.09	15.00	14.09	15.00			
	9	2452	12.17	13.00		13.00	12.17	13.00	12.17	13.00			

5.2GHz WLAN_Ant 22				Full Power			Head		Body & Extremity Standalone		Hotspot&Body&Extremity 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	Average power (dBm)	Tune-up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	12.79	14.50		14.50	12.79	14.50		14.50	96.77	
		40	5200	12.67	14.50		14.50	12.67	14.50		14.50		
		44	5220	12.77	14.50		14.50	12.77	14.50		14.50		
	802.11n-HT20 MCS0	36	5180	13.23	20.00		15.00	13.23	20.00		16.00	96.53	
		40	5200	12.63	14.50		14.50	12.63	14.50		14.50		
		44	5220	12.55	14.50		14.50	12.55	14.50		14.50		
	802.11n-HT40 MCS0	38	5190	12.72	14.50	12.72	14.50	12.72	14.50	12.72	14.50	93.13	
		46	5230	17.20	19.00	13.12	15.00	17.20	19.00	14.05	16.00		
		48	5240	17.19	19.00		15.00	17.19	19.00		16.00		
	802.11ac-VHT20 MCS0	36	5180	12.61	14.50		14.50	12.61	14.50		14.50	96.58	
		40	5200	12.54	14.50		14.50	12.54	14.50		14.50		
		44	5220	12.70	14.50		14.50	12.70	14.50		14.50		
802.11ac-VHT40 MCS0	38	5190	12.34	13.50		15.00	12.34	13.50		16.00	93.54		
	46	5230	16.81	18.00		15.00	16.81	18.00		16.00			
	42	5210	11.61	13.50		13.50	11.61	13.50		13.50			

5.3GHz WLAN_Ant 22				Full Power			Head		Body & Extremity Standalone		Body & Extremity 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	Average power (dBm)	Tune-up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.31	20.00		15.00	18.31	20.00		16.00	96.77	
		56	5280	18.12	20.00		15.00	18.12	20.00		16.00		
		60	5300	18.17	20.00		15.00	18.17	20.00		16.00		
	802.11n-HT20 MCS0	52	5260	17.18	19.00		15.00	17.18	19.00		16.00	96.53	
		56	5280	17.12	19.00		15.00	17.12	19.00		16.00		
		60	5300	17.20	19.00		15.00	17.20	19.00		16.00		
	802.11n-HT40 MCS0	54	5270	17.31	19.00	13.21	15.00	17.31	19.00	14.18	16.00	93.13	
		62	5310	11.91	13.50	11.91	13.50	11.91	13.50	11.91	13.50		
		52	5260	16.78	18.50		15.00	16.78	18.50		16.00		
	802.11ac-VHT20 MCS0	56	5280	16.76	18.50		15.00	16.76	18.50		16.00	96.58	
		60	5300	16.82	18.50		15.00	16.82	18.50		16.00		
		64	5320	13.63	15.50		15.00	13.63	15.50		15.50		
802.11ac-VHT40 MCS0	54	5270	16.87	18.00		15.00	16.87	18.00		16.00	93.54		
	62	5310	11.89	13.50		13.50	11.89	13.50		13.50			
	58	5290	10.81	12.50		12.50	10.81	12.50		12.50			

5.5GHz WLAN_Ant 22				Full Power			Head		Body & Extremity Standalone		Body & Extremity 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	Average power (dBm)	Tune-up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	11.30	13.00		13.00		13.00		13.00	96.77	
		104	5520	16.29	18.00		15.00		18.00		16.00		
		116	5580	16.41	18.00		15.00		18.00		16.00		
		124	5620	16.12	18.00		15.00		18.00		16.00		
		132	5660	16.08	18.00		15.00		18.00		16.00		
		136	5680	16.35	18.00		15.00		18.00		16.00		
	802.11n-HT20 MCS0	140	5700	11.19	13.00		13.00		13.00		13.00	96.53	
		144	5720	16.51	18.00		15.00		18.00		16.00		
		100	5500	11.11	13.00		13.00		13.00		13.00		
		104	5520	16.08	18.00		15.00		18.00		16.00		
		116	5580	16.18	18.00		15.00		18.00		16.00		
		124	5620	16.11	18.00		15.00		18.00		16.00		
802.11n-HT40 MCS0	132	5660	16.04	18.00		15.00		18.00		16.00	96.58		
	136	5680	16.09	18.00		15.00		18.00		16.00			
	140	5700	11.10	13.00		13.00		13.00		13.00			
	144	5720	16.07	18.00		15.00		18.00		16.00			
	102	5510	11.88	13.50	11.88	13.50	11.88	13.50	11.88	13.50			
	110	5550	16.39	18.00	13.28	15.00	16.21	18.00	14.19	16.00			
802.11ac-VHT40 MCS0	126	5630	16.24	18.00	13.14	15.00	16.09	18.00	14.06	16.00	93.13		
	134	5670	11.74	13.50	11.74	13.50	11.74	13.50	11.74	13.50			
	142	5710	16.28	18.00	13.11	15.00	16.14	18.00	14.15	16.00			
	100	5500	11.08	13.00		13.00		13.00		13.00			
	116	5580	16.14	18.00		15.00		18.00		16.00			
	124	5620	16.08	18.00		15.00		18.00		16.00			
802.11ac-VHT20 MCS0	132	5660	16.04	18.00		15.00		18.00		16.00	96.58		
	140	5700	11.05	13.00		13.00		13.00		13.00			
	144	5720	16.00	18.00		15.00		18.00		16.00			
	102	5510	11.81	13.50		13.50		13.50		13.50			
	110	5550	16.38	18.00		15.00		18.00		16.00			
	126	5630	16.19	18.00		15.00		18.00		16.00			
802.11ac-VHT80 MCS0	134	5670	11.68	13.50		13.50		13.50		13.50	93.54		
	142	5710	16.23	18.00		15.00		18.00		16.00			
	106	5530	10.37	12.00		12.00		12.00		12.00			
	122	5610	10.42	12.00		12.00		12.00		12.00			
	138	5690	10.40	12.00		12.00		12.00		12.00			
	138	5690	10.40	12.00		12.00		12.00		12.00			

5.8GHz WLAN_Ant 22				Full Power			Head		Body & Extremity Standalone		Hotspot&Body&Extremity 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	Average power (dBm)	Tune-up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.28	18.00		15.00		18.00		15.00	96.77	
		157	5785	16.50	18.00		15.00		18.00		15.00		
		165	5825	16.55	18.00		15.00		18.00		15.00		
	802.11n-HT20 MCS0	149	5745	16.27	18.00		15.00		18.00		15.00	96.53	
		157	5785	16.49	18.00		15.00		18.00		15.00		
		165	5825	16.47	18.00		15.00		18.00		15.00		
	802.11n-HT40 MCS0	151	5755	16.41	18.00		15.00	16.13	18.00		15.00	93.13	
		159	5795	16.59	18.00		15.00	16.20	18.00		15.00		
		149	5745	16.19	18.00		15.00		18.00		15.00		
	802.11ac-VHT20 MCS0	157	5785	16.43	18.00		15.00		18.00		15.00	96.58	
		165	5825	16.43	18.00		15.00		18.00		15.00		
		151	5755	16.37	18.00		15.00		18.00		15.00		
802.11ac-VHT40 MCS0	159	5795	16.50	18.00		15.00		18.00		15.00	93.54		
	159	5795	16.50	18.00		15.00							



BR / EDR			Ant 22		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.30	9.30	9.40
	CH 39	2441	10.00	10.00	10.10
	CH 76	2480	10.10	10.10	10.20
Tune-up Limit			11	11	11

BLE			Ant 22	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	4.90	4.80
	CH 19	2440	6.20	6.10
	CH 39	2480	5.40	5.30
Tune-up Limit			6.8	6.8