



Full Power Mode

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM850_Arx0	32.2	33.4	34.8	32.2	33.4	34.8	32.2	33.4
TX Channel	32.2	33.4	34.8	32.2	33.4	34.8	32.2	33.4
Frequency (MHz)	32.2	33.4	34.8	32.2	33.4	34.8	32.2	33.4
GSM 1 Tx slot	32.83	32.88	32.78	34.00	23.83	23.68	23.78	25.00
GPRS 1 Tx slot	32.56	32.58	32.55	34.00	23.56	23.58	23.55	24.00
GPRS 2 Tx slots	26.63	26.68	26.61	28.50	17.63	17.68	17.61	19.50
EDGE 1 Tx slot	25.54	25.58	25.51	27.50	17.54	17.58	17.51	19.50
EDGE 2 Tx slots								

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM1900_Arx1	30.19	30.25	30.18	31.00	21.19	21.25	21.18	22.00
TX Channel	30.19	30.25	30.18	31.00	21.19	21.25	21.18	22.00
Frequency (MHz)	30.19	30.25	30.18	31.00	21.19	21.25	21.18	22.00
GSM 1 Tx slot	30.11	30.15	30.06	31.00	21.11	21.15	21.08	22.00
GPRS 1 Tx slot	23.83	23.88	23.82	31.00	20.83	20.88	20.82	22.00
GPRS 2 Tx slots	25.72	25.75	25.70	27.50	16.72	16.75	16.70	19.50
EDGE 1 Tx slot	25.58	25.60	25.55	27.50	16.58	16.60	16.55	19.50
EDGE 2 Tx slots								

	Band	WCDMA I_Arx1			Tune-up Limit (dBm)	WCDMA IV_Arx1			Tune-up Limit (dBm)	WCDMA V_Arx0			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
3GPP Rel 99	AMR 12.2Kbps	23.93	24.05	24.02	25.00	24.00	24.08	23.94	25.00	24.65	24.70	24.65	26.00
3GPP Rel 99	RMC 12.2Kbps	23.98	24.08	24.05	25.00	24.02	24.10	23.98	25.00	24.68	24.72	24.69	26.00
3GPP Rel 6	HSDPA Subtest-1	22.80	22.86	22.89	24.00	22.82	22.84	22.76	24.00	23.07	23.61	23.66	25.00
3GPP Rel 6	HSDPA Subtest-2	22.79	22.91	22.91	24.00	22.82	22.84	22.71	24.00	23.58	23.59	23.65	25.00
3GPP Rel 6	HSDPA Subtest-3	22.32	22.38	22.38	23.50	22.33	22.31	22.23	23.50	23.07	23.12	23.15	24.50
3GPP Rel 6	HSDPA Subtest-4	22.27	22.41	22.36	23.50	22.31	22.32	22.21	23.50	23.08	23.07	23.14	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.68	22.74	22.63	24.00	22.83	23.00	22.90	24.00	23.31	23.38	23.26	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.33	22.38	22.30	24.00	22.45	22.52	22.42	24.00	22.78	22.82	22.73	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.50	22.55	22.48	23.50	22.95	23.02	22.92	23.50	23.38	23.42	23.35	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.67	22.58	23.50	22.90	22.98	22.85	23.50	23.35	23.43	23.30	24.50
3GPP Rel 6	HSUPA Subtest-1	22.81	22.90	22.89	24.00	22.83	22.81	22.80	24.00	23.50	23.58	23.64	25.00
3GPP Rel 6	HSUPA Subtest-2	20.79	20.84	20.87	22.00	20.82	20.81	20.81	22.00	21.51	21.58	21.62	23.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.90	21.97	23.00	21.62	21.83	21.74	23.00	22.55	22.58	22.59	24.00
3GPP Rel 6	HSUPA Subtest-4	20.79	20.85	20.90	22.00	20.85	20.82	20.80	22.00	21.51	21.57	21.57	23.00
3GPP Rel 6	HSUPA Subtest-5	22.70	22.90	22.90	24.00	22.80	22.90	22.80	24.00	23.50	23.60	23.60	25.00

	Band	WCDMA I_Arx2			Tune-up Limit (dBm)	WCDMA IV_Arx2			Tune-up Limit (dBm)	WCDMA V_Arx2			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
3GPP Rel 99	AMR 12.2Kbps	23.93	24.05	24.02	25.00	24.00	24.08	23.94	25.00	24.65	24.70	24.65	26.00
3GPP Rel 99	RMC 12.2Kbps	23.98	24.08	24.05	25.00	24.02	24.10	23.98	25.00	24.68	24.72	24.69	26.00
3GPP Rel 6	HSDPA Subtest-1	22.80	22.86	22.89	24.00	22.82	22.84	22.76	24.00	23.07	23.61	23.66	25.00
3GPP Rel 6	HSDPA Subtest-2	22.79	22.91	22.91	24.00	22.82	22.84	22.71	24.00	23.58	23.59	23.65	25.00
3GPP Rel 6	HSDPA Subtest-3	22.32	22.38	22.38	23.50	22.33	22.31	22.23	23.50	23.07	23.12	23.15	24.50
3GPP Rel 6	HSDPA Subtest-4	22.27	22.41	22.36	23.50	22.31	22.32	22.21	23.50	23.08	23.07	23.14	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.68	22.74	22.63	24.00	22.83	23.00	22.90	24.00	23.31	23.38	23.26	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.33	22.38	22.30	24.00	22.45	22.52	22.42	24.00	22.78	22.82	22.73	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.50	22.55	22.48	23.50	22.95	23.02	22.92	23.50	23.38	23.42	23.35	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.61	22.67	22.58	23.50	22.90	22.98	22.85	23.50	23.35	23.43	23.30	24.50
3GPP Rel 6	HSUPA Subtest-1	22.81	22.90	22.89	24.00	22.83	22.81	22.80	24.00	23.50	23.58	23.64	25.00
3GPP Rel 6	HSUPA Subtest-2	20.79	20.84	20.87	22.00	20.82	20.81	20.81	22.00	21.51	21.58	21.62	23.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.90	21.97	23.00	21.62	21.83	21.74	23.00	22.55	22.58	22.59	24.00
3GPP Rel 6	HSUPA Subtest-4	20.79	20.85	20.90	22.00	20.85	20.82	20.80	22.00	21.51	21.57	21.57	23.00
3GPP Rel 6	HSUPA Subtest-5	22.70	22.90	22.90	24.00	22.80	22.90	22.80	24.00	23.50	23.60	23.60	25.00



### Band 2\_Ant 1

BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	2341	2348	2346	25	0	
20	QPSK	1	49	2349	2350	2348	25	0	
20	QPSK	1	99	2349	2350	2348	25	0	
20	QPSK	50	0	2249	2250	2250	24	1	
20	QPSK	50	24	2253	2256	2252	24	1	
20	QPSK	50	50	2247	2257	2250	24	1	
20	QPSK	100	0	2249	2258	2247	24	1	
20	QPSK	100	1	2253	2253	2256	24	1	
20	QPSK	100	49	2252	2252	2251	24	1	
20	QPSK	100	99	2249	2253	2251	24	1	
20	QPSK	50	0	2147	2158	2153	23	2	
20	QPSK	50	24	2147	2158	2153	23	2	
20	QPSK	50	50	2147	2158	2154	23	2	
20	QPSK	100	0	2152	2164	2149	23	2	
20	QPSK	100	1	2152	2164	2149	23	2	
20	QPSK	100	49	2171	2178	2152	23	2	
20	QPSK	100	99	2158	2165	2162	23	2	
20	QPSK	50	0	2055	2098	2055	22	3	
20	QPSK	50	24	2055	2098	2055	22	3	
20	QPSK	50	50	2048	2057	2055	22	3	
20	QPSK	100	0	1850	1853	1848	20	5	
20	QPSK	100	1	1874	1874	1871	20	5	
20	QPSK	100	49	1826	1847	1826	20	5	
20	QPSK	100	99	1853	1854	1852	20	5	
20	QPSK	50	0	1850	1852	1848	20	5	
20	QPSK	50	24	1852	1853	1848	20	5	
20	QPSK	50	50	1848	1848	1847	20	5	

### Band 2\_Ant 2

BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	2341	2348	2346	25	0	
20	QPSK	1	49	2349	2350	2348	25	0	
20	QPSK	1	99	2349	2350	2348	25	0	
20	QPSK	50	0	2249	2250	2250	24	1	
20	QPSK	50	24	2253	2256	2252	24	1	
20	QPSK	50	50	2247	2257	2250	24	1	
20	QPSK	100	0	2249	2258	2247	24	1	
20	QPSK	100	1	2253	2253	2256	24	1	
20	QPSK	100	49	2252	2252	2251	24	1	
20	QPSK	100	99	2249	2253	2251	24	1	
20	QPSK	50	0	2147	2158	2153	23	2	
20	QPSK	50	24	2147	2158	2153	23	2	
20	QPSK	50	50	2147	2158	2154	23	2	
20	QPSK	100	0	2152	2164	2149	23	2	
20	QPSK	100	1	2152	2164	2149	23	2	
20	QPSK	100	49	2171	2178	2152	23	2	
20	QPSK	100	99	2158	2165	2162	23	2	
20	QPSK	50	0	2055	2098	2055	22	3	
20	QPSK	50	24	2055	2098	2055	22	3	
20	QPSK	50	50	2048	2057	2055	22	3	
20	QPSK	100	0	1850	1853	1848	20	5	
20	QPSK	100	1	1874	1874	1871	20	5	
20	QPSK	100	49	1826	1847	1826	20	5	
20	QPSK	100	99	1853	1854	1852	20	5	
20	QPSK	50	0	1850	1852	1848	20	5	
20	QPSK	50	24	1852	1853	1848	20	5	
20	QPSK	50	50	1848	1848	1847	20	5	

### Band 2\_Ant 7

BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	2295	2295	2286	24.5	0	
20	QPSK	1	49	2295	2295	2286	24.5	0	
20	QPSK	1	99	2295	2295	2286	24.5	0	
20	QPSK	50	0	2184	2184	2184	23.5	1	
20	QPSK	50	24	2184	2184	2184	23.5	1	
20	QPSK	50	50	2184	2184	2184	23.5	1	
20	QPSK	100	0	2182	2182	2182	23.5	1	
20	QPSK	100	1	2182	2182	2182	23.5	1	
20	QPSK	100	49	2226	2226	2226	23.5	1	
20	QPSK	100	99	2226	2226	2226	23.5	1	
20	QPSK	50	0	2095	2094	2097	22.5	2	
20	QPSK	50	24	2095	2094	2097	22.5	2	
20	QPSK	50	50	2095	2094	2097	22.5	2	
20	QPSK	100	0	2095	2099	2097	22.5	2	
20	QPSK	100	1	2095	2099	2097	22.5	2	
20	QPSK	100	49	2117	2115	2109	22.5	2	
20	QPSK	100	99	2117	2115	2109	22.5	2	
20	QPSK	50	0	1993	2000	1999	21.5	3	
20	QPSK	50	24	1993	2000	1999	21.5	3	
20	QPSK	50	50	1983	1989	1986	21.5	3	
20	QPSK	100	0	1798	1796	1796	19.5	5	
20	QPSK	100	1	1793	1793	1788	19.5	5	
20	QPSK	100	49	1787	1789	1788	19.5	5	
20	QPSK	100	99	1791	1791	1788	19.5	5	
20	QPSK	50	0	1791	1796	1788	19.5	5	
20	QPSK	50	24	1791	1794	1781	19.5	5	
20	QPSK	50	50	1792	1792	1792	19.5	5	



### Band 4\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	23.59	23.59	23.53	25	0
20	QPSK	1	49	23.64	23.65	23.62	25	0
20	QPSK	1	49	23.59	23.53	23.57	25	0
20	QPSK	50	0	22.67	22.67	22.63	24	1
20	QPSK	50	24	22.69	22.73	22.66	24	1
20	QPSK	50	24	22.69	22.66	22.73	24	1
20	QPSK	100	0	22.60	22.71	22.60	24	1
20	16QAM	1	0	22.94	22.98	22.92	24	1
20	16QAM	1	49	22.97	22.97	22.94	24	1
20	16QAM	1	99	22.78	22.80	22.67	24	1
20	16QAM	50	0	21.70	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.69	21.57	23	2
20	16QAM	100	0	21.61	21.73	21.64	23	2
20	16QAM	100	0	21.67	21.73	21.64	23	2
20	16QAM	1	49	21.98	21.99	21.80	23	2
20	16QAM	1	99	21.65	21.73	21.49	23	2
20	16QAM	50	0	20.66	20.69	20.66	22	3
20	16QAM	50	24	20.66	20.74	20.67	22	3
20	16QAM	50	24	20.63	20.69	20.55	22	3
20	256QAM	1	0	18.62	18.67	18.63	20	5
20	256QAM	1	49	18.78	18.83	18.81	20	5
20	256QAM	1	99	18.74	18.77	18.76	20	5
20	256QAM	50	0	18.66	18.67	18.64	20	5
20	256QAM	50	24	18.73	18.74	18.73	20	5
20	256QAM	50	24	18.84	18.88	18.85	20	5
20	256QAM	100	0	18.62	18.64	18.62	20	5

### Band 4\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	23.59	23.59	23.56	25	0
20	QPSK	1	49	23.64	23.65	23.62	25	0
20	QPSK	1	49	23.59	23.53	23.57	25	0
20	QPSK	50	0	22.67	22.67	22.63	24	1
20	QPSK	50	24	22.69	22.73	22.66	24	1
20	QPSK	50	24	22.69	22.66	22.73	24	1
20	QPSK	100	0	22.60	22.71	22.60	24	1
20	16QAM	1	0	22.94	22.98	22.92	24	1
20	16QAM	1	49	22.97	22.97	22.94	24	1
20	16QAM	1	99	22.78	22.80	22.67	24	1
20	16QAM	50	0	21.70	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.69	21.57	23	2
20	16QAM	100	0	21.61	21.73	21.64	23	2
20	16QAM	100	0	21.67	21.73	21.64	23	2
20	16QAM	1	49	21.98	21.99	21.80	23	2
20	16QAM	1	99	21.65	21.73	21.49	23	2
20	16QAM	50	0	20.66	20.69	20.66	22	3
20	16QAM	50	24	20.66	20.74	20.67	22	3
20	16QAM	50	24	20.63	20.69	20.55	22	3
20	256QAM	1	0	18.62	18.67	18.63	20	5
20	256QAM	1	49	18.78	18.83	18.81	20	5
20	256QAM	1	99	18.74	18.77	18.76	20	5
20	256QAM	50	0	18.66	18.67	18.64	20	5
20	256QAM	50	24	18.73	18.74	18.73	20	5
20	256QAM	50	24	18.84	18.88	18.85	20	5
20	256QAM	100	0	18.62	18.64	18.62	20	5

### Band 4\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	23.59	23.59	23.53	25	0
20	QPSK	1	49	23.64	23.65	23.62	25	0
20	QPSK	1	49	23.59	23.53	23.57	25	0
20	QPSK	50	0	22.67	22.67	22.63	24	1
20	QPSK	50	24	22.69	22.73	22.66	24	1
20	QPSK	50	24	22.69	22.66	22.73	24	1
20	QPSK	100	0	22.60	22.71	22.60	24	1
20	16QAM	1	0	22.94	22.98	22.92	24	1
20	16QAM	1	49	22.97	22.97	22.94	24	1
20	16QAM	1	99	22.78	22.80	22.67	24	1
20	16QAM	50	0	21.70	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.71	21.63	23	2
20	16QAM	50	24	21.66	21.69	21.57	23	2
20	16QAM	100	0	21.61	21.73	21.64	23	2
20	16QAM	100	0	21.67	21.73	21.64	23	2
20	16QAM	1	49	21.98	21.99	21.80	23	2
20	16QAM	1	99	21.65	21.73	21.49	23	2
20	16QAM	50	0	20.66	20.69	20.66	22	3
20	16QAM	50	24	20.66	20.74	20.67	22	3
20	16QAM	50	24	20.63	20.69	20.55	22	3
20	256QAM	1	0	18.62	18.67	18.63	20	5
20	256QAM	1	49	18.78	18.83	18.81	20	5
20	256QAM	1	99	18.74	18.77	18.76	20	5
20	256QAM	50	0	18.66	18.67	18.64	20	5
20	256QAM	50	24	18.73	18.74	18.73	20	5
20	256QAM	50	24	18.84	18.88	18.85	20	5
20	256QAM	100	0	18.62	18.64	18.62	20	5























Band 41\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Contains multiple rows of channel data for various frequencies and power levels.

Band 41 HPUE\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Contains multiple rows of channel data for various frequencies and power levels.

Band 41\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Contains multiple rows of channel data for various frequencies and power levels.







State 6 Power

<GSM>

GSM900_Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	186	251		126	186	251	
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.85	32.70	32.78	<b>34.00</b>	23.85	23.70	23.78	<b>25.00</b>
GPRS 1 Tx slot	32.83	32.68	32.76	<b>34.00</b>	23.83	23.68	23.76	<b>25.00</b>
GPRS 2 Tx slots	32.86	32.58	32.85	<b>34.00</b>	23.86	23.58	23.85	<b>25.00</b>
EDGE 1 Tx slot	28.63	28.66	28.61	<b>28.80</b>	17.63	17.66	17.61	<b>19.50</b>
EDGE 2 Tx slots	28.54	28.58	28.51	<b>28.80</b>	17.54	17.58	17.51	<b>19.50</b>

<GSM>

GSM900_Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1632.2	1650	1659.8		1632.2	1650	1659.8	
Frequency (MHz)	1632.2	1650	1659.8		1632.2	1650	1659.8	
GSM 1 Tx slot	30.19	30.25	30.18	<b>31.00</b>	21.19	21.25	21.18	<b>22.00</b>
GPRS 1 Tx slot	30.11	30.15	30.08	<b>31.00</b>	21.11	21.15	21.08	<b>22.00</b>
GPRS 2 Tx slots	29.83	29.89	29.82	<b>31.00</b>	20.83	20.89	20.82	<b>22.00</b>
EDGE 1 Tx slot	25.72	25.75	25.70	<b>27.50</b>	16.72	16.75	16.70	<b>18.50</b>
EDGE 2 Tx slots	25.58	25.60	25.55	<b>27.50</b>	16.58	16.60	16.55	<b>18.50</b>

<WCDMA>

Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	8662	8800	8958		1537	1638	1738		4367	4407	4468	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.83	24.05	24.02	<b>25.00</b>	24.00	24.06	23.94	<b>25.00</b>	24.65	24.70	24.65	<b>26.00</b>
3GPP Rel 99 RMC 12.2Kbps	23.98	24.08	24.05	<b>25.00</b>	24.02	24.10	23.98	<b>25.00</b>	24.68	24.72	24.69	<b>26.00</b>
3GPP Rel 6 HSDPA Subtest-1	22.80	22.89	22.93	<b>24.00</b>	22.82	22.84	22.78	<b>24.00</b>	23.57	23.61	23.66	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-2	22.79	22.91	22.91	<b>24.00</b>	22.82	22.84	22.71	<b>24.00</b>	23.58	23.59	23.65	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-3	22.32	22.38	22.36	<b>23.50</b>	22.33	22.31	22.23	<b>23.50</b>	23.07	23.12	23.15	<b>24.50</b>
3GPP Rel 6 HSDPA Subtest-4	22.27	22.41	22.38	<b>23.50</b>	22.31	22.32	22.21	<b>23.50</b>	23.08	23.07	23.14	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-1	22.68	22.74	22.63	<b>24.00</b>	22.63	22.60	22.90	<b>24.00</b>	23.30	23.36	23.26	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-2	22.33	22.38	22.30	<b>24.00</b>	22.45	22.52	22.42	<b>24.00</b>	22.78	22.92	22.73	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-3	22.50	22.55	22.48	<b>23.50</b>	22.95	23.02	22.92	<b>23.50</b>	23.38	23.42	23.35	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-4	22.61	22.67	22.58	<b>23.50</b>	22.90	22.90	22.85	<b>23.50</b>	23.35	23.43	23.30	<b>24.50</b>
3GPP Rel 6 HSUPA Subtest-1	22.81	22.90	22.89	<b>24.00</b>	22.83	22.81	22.80	<b>24.00</b>	23.50	23.59	23.64	<b>25.00</b>
3GPP Rel 6 HSUPA Subtest-2	20.79	20.84	20.87	<b>22.00</b>	20.82	20.81	20.81	<b>22.00</b>	21.51	21.58	21.62	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-3	21.79	21.90	21.97	<b>23.00</b>	21.82	21.83	21.74	<b>23.00</b>	22.55	22.58	22.59	<b>24.00</b>
3GPP Rel 6 HSUPA Subtest-4	20.79	20.85	20.90	<b>22.00</b>	20.85	20.82	20.80	<b>22.00</b>	21.51	21.57	21.57	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-5	22.70	22.80	22.90	<b>24.00</b>	22.80	22.90	22.80	<b>24.00</b>	23.50	23.60	23.60	<b>25.00</b>

<WCDMA>

Band	WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	8662	8800	8958		1537	1638	1738		4367	4407	4468	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	16.70	16.73	16.65	<b>18.00</b>	17.22	17.33	17.13	<b>18.50</b>	22.82	22.84	22.58	<b>24.00</b>
3GPP Rel 99 RMC 12.2Kbps	16.72	16.78	16.60	<b>18.00</b>	17.25	17.35	17.16	<b>18.50</b>	22.85	22.86	22.60	<b>24.00</b>
3GPP Rel 6 HSDPA Subtest-1	15.55	15.74	15.71	<b>17.00</b>	16.13	16.16	16.08	<b>17.50</b>	21.42	21.43	21.55	<b>23.00</b>
3GPP Rel 6 HSDPA Subtest-2	15.62	15.72	15.70	<b>17.00</b>	16.10	16.16	16.04	<b>17.50</b>	21.39	21.46	21.50	<b>23.00</b>
3GPP Rel 6 HSDPA Subtest-3	15.08	15.12	15.15	<b>16.50</b>	15.63	15.57	15.58	<b>17.00</b>	20.88	20.92	20.97	<b>22.50</b>
3GPP Rel 6 HSDPA Subtest-4	15.03	15.22	15.17	<b>16.50</b>	15.85	15.63	15.54	<b>17.00</b>	20.91	20.91	21.02	<b>22.50</b>
3GPP Rel 6 DC-HSDPA Subtest-1	15.48	15.55	15.41	<b>17.00</b>	16.22	16.31	16.17	<b>17.50</b>	21.12	21.16	21.06	<b>23.00</b>
3GPP Rel 6 DC-HSDPA Subtest-2	15.09	15.19	15.08	<b>17.00</b>	15.80	15.87	15.68	<b>17.50</b>	20.80	20.87	20.58	<b>23.00</b>
3GPP Rel 6 DC-HSDPA Subtest-3	15.35	15.40	15.25	<b>16.50</b>	16.38	16.36	16.18	<b>17.00</b>	21.25	21.23	21.25	<b>22.50</b>
3GPP Rel 6 DC-HSDPA Subtest-4	15.40	15.47	15.43	<b>16.50</b>	16.21	16.26	16.13	<b>17.00</b>	21.22	21.27	21.11	<b>22.50</b>
3GPP Rel 6 HSUPA Subtest-1	15.58	15.73	15.71	<b>17.00</b>	16.16	16.07	16.06	<b>17.50</b>	21.34	21.42	21.54	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-2	13.63	13.74	13.71	<b>15.00</b>	14.10	14.14	14.05	<b>16.50</b>	19.40	19.37	19.50	<b>21.00</b>
3GPP Rel 6 HSUPA Subtest-3	14.73	14.76	14.83	<b>16.00</b>	15.06	15.15	15.06	<b>16.50</b>	20.35	20.43	20.45	<b>22.00</b>
3GPP Rel 6 HSUPA Subtest-4	13.64	13.78	13.77	<b>15.00</b>	14.20	14.08	14.12	<b>15.50</b>	19.35	19.42	19.45	<b>21.00</b>
3GPP Rel 6 HSUPA Subtest-5	15.44	15.69	15.73	<b>17.00</b>	16.05	16.16	16.04	<b>17.50</b>	21.37	21.45	21.39	<b>23.00</b>









Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low/High (Ch / Freq), Channel Frequency (MHz), Tune-up limit (dBm), MPR (dB). Includes multiple entries for various modulation schemes like GFSK, QPSK, and 16QAM across different frequency channels.

Band 5\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low/High (Ch / Freq), Channel Frequency (MHz), Tune-up limit (dBm), MPR (dB). Contains a large number of entries for various modulation schemes across multiple channels.

Band 7\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low/High (Ch / Freq), Channel Frequency (MHz), Tune-up limit (dBm), MPR (dB). Contains entries for various modulation schemes across multiple channels.



















Band 41 HPUE\_Ant 1

Table with columns: 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, Turn-up time (dBm), MPR (dB). Includes Channel Frequency (MHz) and Channel information.

Band 41\_Ant 2

Table with columns: 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, Turn-up time (dBm), MPR (dB). Includes Channel Frequency (MHz) and Channel information.

Band 41 HPUE\_Ant 2

Table with columns: 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, Turn-up time (dBm), MPR (dB). Includes Channel Frequency (MHz) and Channel information.









State 7 Power

<GSM>

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM850_Arx0	32.2	32.4	34.8	32.2	33.4	34.8	34.0	
TX Channel	32.2	32.4	34.8	32.2	33.4	34.8	34.0	
Frequency (MHz)	32.2	32.4	34.8	32.2	33.4	34.8	34.0	
GSM 1 Tx slot	32.83	32.88	32.78	34.00	23.83	23.68	23.76	
GPRS 1 Tx slot	32.56	32.58	32.56	34.00	23.66	23.58	23.55	
GPRS 2 Tx slots	26.63	26.66	26.61	28.50	17.63	17.66	17.61	
EDGE 1 Tx slot	26.54	26.58	26.51	28.50	17.54	17.58	17.51	
EDGE 2 Tx slots								

<WCDMA>

Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	1537	1638	1738	4367	4407	4458	4564	4584	4616
Rx Channel	9662	9800	9938	1537	1638	1738	4367	4407	4458	4564	4584	4616
Frequency (MHz)	1852.4	1860	1909.6	1719.4	1722.6	1752.6	1824	1834	1854	1884	1894	1916
3GPP Rel 99	AMR 12.2Kbps	23.93	24.05	24.02	24.00	24.08	23.94	25.00	24.65	24.70	24.65	26.00
3GPP Rel 99	RMC 12.2Kbps	23.98	24.08	24.05	25.00	24.02	24.10	23.98	25.00	24.68	24.72	24.69
3GPP Rel 6	HSDPA Subtest-1	22.80	22.86	22.80	24.00	22.82	22.84	22.76	24.00	23.07	23.61	23.66
3GPP Rel 6	HSDPA Subtest-2	22.79	22.91	22.91	24.00	22.82	22.84	22.71	24.00	23.58	23.59	23.65
3GPP Rel 6	HSDPA Subtest-3	22.32	22.38	22.38	23.50	22.33	22.31	22.23	23.50	23.07	23.12	23.15
3GPP Rel 6	HSDPA Subtest-4	22.27	22.41	22.36	23.50	22.31	22.32	22.21	23.50	23.08	23.07	23.14
3GPP Rel 6	DC-HSDPA Subtest-1	22.68	22.74	22.63	24.00	22.83	23.00	22.90	24.00	23.30	23.38	23.26
3GPP Rel 6	DC-HSDPA Subtest-2	22.33	22.38	22.30	24.00	22.45	22.52	22.42	24.00	22.78	22.82	22.73
3GPP Rel 6	DC-HSDPA Subtest-3	22.50	22.55	22.48	23.50	22.95	23.02	22.92	23.50	23.38	23.42	23.35
3GPP Rel 6	DC-HSDPA Subtest-4	22.61	22.67	22.58	23.50	22.90	22.98	22.85	23.50	23.35	23.43	23.30
3GPP Rel 6	HSUPA Subtest-1	22.81	22.90	22.89	24.00	22.83	22.81	22.80	24.00	23.50	23.59	23.64
3GPP Rel 6	HSUPA Subtest-2	20.79	20.84	20.87	22.00	20.82	20.81	20.81	22.00	21.51	21.58	21.62
3GPP Rel 6	HSUPA Subtest-3	21.79	21.90	21.97	23.00	21.62	21.83	21.74	23.00	22.55	22.58	22.59
3GPP Rel 6	HSUPA Subtest-4	20.79	20.85	20.80	22.00	20.85	20.82	20.80	22.00	21.51	21.57	21.57
3GPP Rel 6	HSUPA Subtest-5	22.70	22.90	22.90	24.00	22.80	22.90	22.80	24.00	23.50	23.60	23.60

<WCDMA>

Band	WCDMA I_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	1537	1638	1738	4367	4407	4458	4564	4584	4616
Rx Channel	9662	9800	9938	1537	1638	1738	4367	4407	4458	4564	4584	4616
Frequency (MHz)	1852.4	1860	1909.6	1719.4	1722.6	1752.6	1824	1834	1854	1884	1894	1916
3GPP Rel 99	AMR 12.2Kbps	14.93	14.95	14.90	16.00	15.31	15.33	15.28	16.50	20.68	20.72	20.70
3GPP Rel 6	HSDPA Subtest-1	13.75	13.82	13.81	15.00	14.28	14.18	14.12	15.50	19.42	19.53	19.53
3GPP Rel 6	HSDPA Subtest-2	13.70	13.86	13.85	15.00	14.19	14.20	14.09	15.50	19.51	19.52	19.50
3GPP Rel 6	HSDPA Subtest-3	13.16	13.25	13.24	14.50	13.70	13.70	13.64	15.00	18.94	18.98	19.00
3GPP Rel 6	HSDPA Subtest-4	13.22	13.36	13.25	14.80	13.67	13.72	13.64	15.00	18.96	19.00	19.07
3GPP Rel 6	DC-HSDPA Subtest-1	13.61	13.68	13.58	15.00	14.27	14.36	14.34	15.50	19.20	19.28	19.30
3GPP Rel 6	DC-HSDPA Subtest-2	13.17	13.30	13.21	15.00	13.86	13.88	13.77	15.50	18.69	18.74	18.61
3GPP Rel 6	DC-HSDPA Subtest-3	13.40	13.42	13.39	14.90	14.37	14.45	14.38	15.00	19.30	19.29	19.28
3GPP Rel 6	DC-HSDPA Subtest-4	13.52	13.56	13.48	14.80	14.28	14.38	14.28	15.00	19.28	19.27	19.25
3GPP Rel 6	HSUPA Subtest-1	13.67	13.82	13.72	15.00	14.23	14.17	14.16	15.50	19.45	19.52	19.54
3GPP Rel 6	HSUPA Subtest-2	11.69	11.70	11.74	13.00	12.25	12.26	12.19	13.50	17.41	17.46	17.57
3GPP Rel 6	HSUPA Subtest-3	12.67	12.77	12.88	14.00	13.23	13.27	13.08	14.50	18.49	18.49	18.44
3GPP Rel 6	HSUPA Subtest-4	11.64	11.80	11.82	13.00	12.25	12.25	12.16	13.50	17.38	17.41	17.49
3GPP Rel 6	HSUPA Subtest-5	13.65	13.75	13.84	15.00	14.23	14.28	14.17	15.50	19.44	19.48	19.44













**Band 17\_Ant 0**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)							lim <sub>up</sub> (dBm)	MPR (dB)
23750 23760 23800								
10	QPSK	1	0	24.13	24.22	24.18		
10	QPSK	1	25	24.25	24.20	24.28	26	0
10	QPSK	1	49	24.21	24.26	24.21		
10	QPSK	25	0	23.17	23.17	23.18		
10	QPSK	25	12	23.27	23.31	23.26	25	1
10	QPSK	25	25	23.22	23.28	23.22		
10	QPSK	50	0	23.16	23.25	23.18		
10	16QAM	1	0	23.58	23.49	23.54		
10	16QAM	1	25	23.52	23.54	23.52	25	1
10	16QAM	1	49	23.52	23.54	23.52		
10	16QAM	25	0	22.20	22.20	22.18		
10	16QAM	25	12	22.26	22.33	22.26	24	2
10	16QAM	25	25	22.32	22.27	22.28		
10	16QAM	50	0	22.18	22.30	22.19		
10	64QAM	1	0	22.30	22.30	22.36		
10	64QAM	1	25	22.46	22.45	22.36	24	2
10	64QAM	1	49	22.46	22.34	22.36		
10	64QAM	25	0	21.20	21.19	21.21		
10	64QAM	25	12	21.25	21.38	21.29	23	3
10	64QAM	25	25	21.28	21.32	21.28		
10	256QAM	1	0	19.66	19.67	19.65		
10	256QAM	1	25	19.70	19.73	19.72	21	5
10	256QAM	1	49	19.66	19.74	19.69		
10	256QAM	25	0	18.41	18.49	18.45		
10	256QAM	25	12	18.49	19.54	19.50		
10	256QAM	25	25	18.50	18.51	18.48	21	5
10	256QAM	50	0	19.33	19.38	19.37		

**Band 17\_Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)							lim <sub>up</sub> (dBm)	MPR (dB)
23750 23760 23800								
10	QPSK	1	0	21.64	21.68	21.70		
10	QPSK	1	25	21.78	21.83	21.81	23.5	0
10	QPSK	1	49	21.63	21.72	21.71		
10	QPSK	25	0	20.69	20.71	20.69		
10	QPSK	25	12	20.80	20.85	20.83	22.5	1
10	QPSK	25	25	20.64	20.77	20.73		
10	QPSK	50	0	20.75	20.82	20.88		
10	16QAM	1	0	20.73	20.71	20.87		
10	16QAM	1	25	20.90	20.76	20.70	22.5	1
10	16QAM	1	49	20.87	20.73	20.74		
10	16QAM	25	0	19.89	19.87	19.86		
10	16QAM	25	12	19.69	19.69	19.73	21.5	2
10	16QAM	25	25	19.68	19.69	19.75		
10	16QAM	50	0	19.72	19.69	19.76		
10	64QAM	1	0	19.73	19.74	19.75		
10	64QAM	1	25	19.71	19.75	19.72	21.5	2
10	64QAM	1	49	19.72	19.78	19.70		
10	64QAM	25	0	18.66	18.75	18.70		
10	64QAM	25	12	18.69	18.77	18.85	20.5	3
10	64QAM	25	25	18.67	18.70	18.67		
10	256QAM	1	0	18.65	18.71	18.72		
10	256QAM	1	25	18.64	18.69	18.73	18.5	5
10	256QAM	1	49	18.66	18.75	18.70		
10	256QAM	25	0	18.70	18.77	18.73		
10	256QAM	25	12	18.70	18.74	18.73	18.5	5
10	256QAM	25	25	18.67	18.76	18.68		
10	256QAM	50	0	18.70	18.77	18.76		

**Band 25\_Ant 1**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)							lim <sub>up</sub> (dBm)	MPR (dB)
26115 26140 26160								
20	QPSK	1	0	23.68	23.73	23.76		
20	QPSK	1	49	23.75	23.81	23.75	25	0
20	QPSK	1	99	23.67	23.74	23.76		
20	QPSK	50	0	22.73	22.78	22.80		
20	QPSK	50	24	22.79	22.83	22.82	24	1
20	QPSK	50	50	22.78	22.82	22.78		
20	QPSK	100	0	22.74	22.80	22.76		
20	16QAM	1	0	23.05	22.98	22.99		
20	16QAM	1	49	23.07	22.97	22.98	24	1
20	16QAM	1	99	23.07	23.02	22.95		
20	16QAM	50	0	21.76	21.81	21.80		
20	16QAM	50	24	21.84	21.88	21.78	23	2
20	16QAM	50	50	21.76	21.82	21.82		
20	16QAM	100	0	21.75	21.83	21.77		
20	64QAM	1	0	21.92	21.98	21.98		
20	64QAM	1	49	21.92	22.03	21.95	23	2
20	64QAM	1	99	21.85	21.84	22.01		
20	64QAM	50	0	20.33	20.39	20.31		
20	64QAM	50	24	20.33	20.39	20.31	20	3
20	64QAM	50	50	20.77	20.81	20.82		
20	256QAM	100	0	18.58	18.63	18.61		
20	256QAM	1	49	18.81	18.85	18.83	20	5
20	256QAM	1	99	18.71	18.72	18.71		
20	256QAM	50	0	18.52	18.59	18.57		
20	256QAM	50	24	18.70	18.75	18.71	20	5
20	256QAM	50	50	18.60	18.62	18.57		
20	256QAM	100	0	18.66	18.68	18.67		























State 10 Power

<GSM>

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	196	291		128	196	291	
GSM900_Ant0								
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)	1822.4	1834.6	1846.8		1712.4	1724.6	1736.8	
GSM 1 Tx slot	31.65	31.67	31.63	<b>33.00</b>	22.65	22.67	22.63	<b>24.00</b>
GPRS 1 Tx slot	31.63	31.65	31.66	<b>33.00</b>	22.63	22.65	22.62	<b>24.00</b>
GPRS 2 Tx slots	31.50	31.51	31.46	<b>33.00</b>	22.50	22.51	22.46	<b>24.00</b>
EDGE 1 Tx slot	25.55	25.58	25.53	<b>27.00</b>	16.55	16.58	16.53	<b>18.50</b>
EDGE 2 Tx slots	25.52	25.55	25.50	<b>27.00</b>	16.52	16.55	16.50	<b>18.50</b>

<WCDMA>

Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9958		1537	1638	1738		4367	4407	4468	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.53	24.05	24.02	<b>25.00</b>	24.00	24.06	23.94	<b>25.00</b>	24.65	24.70	24.65	<b>26.00</b>
3GPP Rel 99 RMC 12.2Kbps	23.98	24.08	24.05	<b>25.00</b>	24.02	24.10	23.98	<b>25.00</b>	24.68	24.72	24.69	<b>26.00</b>
3GPP Rel 6 HSDPA Subtest-1	22.80	22.89	22.93	<b>24.00</b>	22.82	22.84	22.78	<b>24.00</b>	23.57	23.61	23.66	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-2	22.79	22.91	22.91	<b>24.00</b>	22.82	22.84	22.71	<b>24.00</b>	23.58	23.59	23.65	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-3	22.32	22.38	22.36	<b>23.50</b>	22.33	22.31	22.23	<b>23.50</b>	23.07	23.12	23.15	<b>24.50</b>
3GPP Rel 6 HSDPA Subtest-4	22.27	22.41	22.38	<b>23.50</b>	22.31	22.32	22.21	<b>23.50</b>	23.08	23.07	23.14	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-1	22.68	22.74	22.63	<b>24.00</b>	22.63	23.00	22.90	<b>24.00</b>	23.30	23.36	23.26	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-2	22.33	22.38	22.30	<b>24.00</b>	22.45	22.52	22.42	<b>24.00</b>	22.78	22.92	22.73	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-3	22.50	22.55	22.48	<b>23.50</b>	22.95	23.02	22.92	<b>23.50</b>	23.38	23.42	23.35	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-4	22.61	22.67	22.58	<b>23.50</b>	22.90	22.90	22.85	<b>23.50</b>	23.35	23.43	23.30	<b>24.50</b>
3GPP Rel 6 HSUPA Subtest-1	22.81	22.90	22.89	<b>24.00</b>	22.83	22.81	22.80	<b>24.00</b>	23.50	23.59	23.64	<b>25.00</b>
3GPP Rel 6 HSUPA Subtest-2	20.79	20.84	20.87	<b>22.00</b>	20.82	20.81	20.81	<b>22.00</b>	21.51	21.58	21.62	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-3	21.79	21.90	21.97	<b>23.00</b>	21.82	21.83	21.74	<b>23.00</b>	22.55	22.58	22.59	<b>24.00</b>
3GPP Rel 6 HSUPA Subtest-4	20.79	20.85	20.90	<b>22.00</b>	20.85	20.82	20.80	<b>22.00</b>	21.51	21.57	21.57	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-5	22.70	22.80	22.90	<b>24.00</b>	22.80	22.90	22.80	<b>24.00</b>	23.50	23.60	23.60	<b>25.00</b>

<WCDMA>

Band	WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9958		1537	1638	1738		4367	4407	4468	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.30	21.31	21.28	<b>22.50</b>	20.82	20.85	20.80	<b>22.00</b>	24.65	24.70	24.65	<b>26.00</b>
3GPP Rel 99 RMC 12.2Kbps	21.33	21.34	21.30	<b>22.50</b>	20.85	20.89	20.83	<b>22.00</b>	24.68	24.72	24.69	<b>26.00</b>
3GPP Rel 6 HSDPA Subtest-1	20.14	20.58	20.36	<b>21.50</b>	19.75	19.72	19.60	<b>21.00</b>	23.57	23.61	23.66	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-2	20.22	20.27	20.35	<b>21.50</b>	19.67	19.78	19.64	<b>21.00</b>	23.58	23.59	23.65	<b>25.00</b>
3GPP Rel 6 HSDPA Subtest-3	19.69	19.82	19.76	<b>21.00</b>	19.21	19.24	19.08	<b>20.50</b>	23.07	23.12	23.15	<b>24.50</b>
3GPP Rel 6 HSDPA Subtest-4	19.64	19.79	19.80	<b>21.00</b>	19.25	19.26	19.12	<b>20.50</b>	23.08	23.07	23.14	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-1	20.07	20.14	20.03	<b>21.50</b>	19.67	19.67	19.78	<b>21.00</b>	23.30	23.36	23.26	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-2	19.67	19.72	19.75	<b>21.50</b>	19.29	19.43	19.27	<b>21.00</b>	22.78	22.82	22.73	<b>25.00</b>
3GPP Rel 6 DC-HSDPA Subtest-3	18.94	19.99	19.82	<b>21.00</b>	19.79	19.93	19.81	<b>20.50</b>	23.36	23.42	23.35	<b>24.50</b>
3GPP Rel 6 DC-HSDPA Subtest-4	20.05	20.11	19.96	<b>21.00</b>	19.77	19.91	19.80	<b>20.50</b>	23.35	23.43	23.30	<b>24.50</b>
3GPP Rel 6 HSUPA Subtest-1	20.23	20.26	20.29	<b>21.50</b>	19.76	19.70	19.69	<b>21.00</b>	23.50	23.59	23.64	<b>25.00</b>
3GPP Rel 6 HSUPA Subtest-2	18.15	18.28	18.31	<b>19.50</b>	17.77	17.65	17.66	<b>19.00</b>	21.51	21.58	21.62	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-3	18.18	18.29	18.40	<b>20.50</b>	18.75	18.73	18.60	<b>20.00</b>	22.55	22.58	22.59	<b>24.00</b>
3GPP Rel 6 HSUPA Subtest-4	18.19	18.23	18.26	<b>19.50</b>	17.69	17.74	17.64	<b>19.00</b>	21.51	21.57	21.57	<b>23.00</b>
3GPP Rel 6 HSUPA Subtest-5	20.12	20.24	20.35	<b>21.50</b>	19.70	19.82	19.74	<b>21.00</b>	23.50	23.60	23.60	<b>25.00</b>





### Band 4\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	23.59	23.94	23.96		
20	QPSK	1	49	23.64	23.65	23.62	25	0
20	QPSK	1	99	23.50	23.37	23.37		
20	QPSK	50	0	22.67	22.67	22.63		
20	QPSK	50	24	22.69	22.73	22.66	24	1
20	QPSK	50	24	22.67	22.69	22.67		
20	QPSK	100	0	22.60	22.71	22.66		
20	16QAM	1	0	22.94	22.98	22.92		
20	16QAM	1	49	23.01	22.97	22.96	24	1
20	16QAM	1	99	22.78	22.80	22.67		
20	16QAM	50	0	21.70	21.71	21.63		
20	16QAM	50	24	21.66	21.71	21.63		
20	16QAM	50	50	21.66	21.69	21.57	23	2
20	16QAM	100	0	21.61	21.73	21.64		
20	64QAM	1	0	21.87	21.87	21.84		
20	64QAM	1	49	21.98	21.99	21.80	23	2
20	64QAM	1	99	21.85	21.73	21.49		
20	64QAM	50	0	20.86	20.94	20.86		
20	64QAM	50	24	20.86	20.74	20.67	22	3
20	64QAM	50	50	20.83	20.69	20.55		
20	256QAM	100	0	18.92	18.97	18.83		
20	256QAM	1	0	18.76	18.73	18.81		
20	256QAM	1	49	18.74	18.77	18.64		
20	256QAM	50	0	18.66	18.67	18.67		
20	256QAM	50	24	18.73	18.74	18.73		
20	256QAM	50	50	18.84	18.88	18.85	20	5
20	256QAM	100	0	18.92	18.94	18.92		

### Band 4\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	21.50	21.53	21.48		
20	QPSK	1	49	21.53	21.60	21.50	23	0
20	QPSK	1	99	21.48	21.51	21.47		
20	QPSK	50	0	20.53	20.56	20.50		
20	QPSK	50	24	20.56	20.60	20.53	22	1
20	QPSK	50	24	20.54	20.57	20.48		
20	QPSK	100	0	20.50	20.53	20.48		
20	16QAM	1	0	20.80	20.82	20.76		
20	16QAM	1	49	20.92	20.92	20.81		
20	16QAM	1	99	20.72	20.72	20.59		
20	16QAM	50	0	19.84	19.82	19.51		
20	16QAM	50	24	19.80	19.83	19.43	21	2
20	16QAM	100	0	19.45	19.61	19.56		
20	64QAM	1	0	19.74	19.73	19.76		
20	64QAM	1	49	19.93	19.93	19.76	21	2
20	64QAM	1	99	19.88	19.83	19.61		
20	64QAM	50	0	18.98	18.98	18.87		
20	64QAM	50	24	18.93	18.92	18.94	20	3
20	64QAM	50	50	18.90	18.88	18.68		
20	256QAM	100	0	16.55	16.58	16.56		
20	256QAM	1	49	16.70	16.74	16.67		
20	256QAM	1	99	16.58	16.66	16.66	20	5
20	256QAM	50	0	16.36	16.59	16.50		
20	256QAM	50	24	16.67	16.68	16.68		
20	256QAM	50	50	16.59	16.59	16.53	18	5
20	256QAM	100	0	16.53	16.54	16.50		

### Band 4\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	22.93	22.88	22.85		
20	QPSK	1	49	22.85	22.91	22.95	24.5	0
20	QPSK	1	99	22.80	22.75	22.75		
20	QPSK	50	0	21.98	22.04	21.98		
20	QPSK	50	24	22.03	22.03	22.01	23.5	1
20	QPSK	50	24	22.01	22.05	22.01		
20	QPSK	100	0	22.01	22.04	21.97		
20	16QAM	1	0	22.26	22.31	22.33		
20	16QAM	1	49	22.30	22.31	22.28	23.5	1
20	16QAM	1	99	22.22	22.17	22.20		
20	16QAM	50	0	21.14	21.01	21.02		
20	16QAM	50	24	21.00	21.05	20.95	22.5	2
20	16QAM	100	0	21.07	21.07	21.09		
20	64QAM	1	0	21.30	21.23	21.28		
20	64QAM	1	49	21.23	21.28	21.22	22.5	2
20	64QAM	1	99	21.13	21.13	21.04		
20	64QAM	50	0	20.12	20.12	20.08		
20	64QAM	50	24	20.12	20.12	20.08	21.5	3
20	64QAM	50	50	20.04	20.03	19.97		
20	256QAM	100	0	18.04	18.03	17.95		
20	256QAM	1	49	18.06	18.11	18.09		
20	256QAM	1	99	17.99	18.06	18.07	19.5	5
20	256QAM	50	0	17.91	18.01	17.91		
20	256QAM	50	24	17.96	18.08	17.96		
20	256QAM	50	50	18.01	18.11	17.93	19.5	5











### Band 25\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes channel and frequency sub-tables.

### Band 25\_Ant 7

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes channel and frequency sub-tables.

### Band 25\_Ant 0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes channel and frequency sub-tables.





Band 30\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Band 66\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Band 66\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Tune-up limit, MPR. Includes sub-headers for Channel and Frequency (MHz).











Band 41\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up time (dBm), MPR (dB). Includes sub-tables for Channels and Channel.

Band 41 HPUE\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up time (dBm), MPR (dB). Includes sub-tables for Channels and Channel.

Band 41\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up time (dBm), MPR (dB). Includes sub-tables for Channels and Channel.







State 9 Power

<GSM>

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	198	199	201		198	199	201	
GSM900_Ant0								
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)								
GSM 1 Tx slot	31.65	31.67	31.63	33.00	22.65	22.67	22.63	24.00
GPRS 1 Tx slot	31.63	31.65	31.65	33.00	22.63	22.65	22.62	24.00
GPRS 2 Tx slots	31.50	31.51	31.46	33.00	22.50	22.51	22.46	24.00
EDGE 1 Tx slot	25.55	25.58	25.53	27.90	16.55	16.58	16.53	18.90
EDGE 2 Tx slots	25.52	25.55	25.50	27.90	16.52	16.55	16.50	18.90

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	610		512	661	610	
GSM900_Ant1								
TX Channel	1532.2	1530	1529.8		1532.2	1530	1529.8	
Frequency (MHz)								
GSM 1 Tx slot	30.12	30.25	30.15	31.00	21.12	21.25	21.15	22.00
GPRS 1 Tx slot	30.11	30.15	30.08	31.00	21.11	21.15	21.08	22.00
GPRS 2 Tx slots	29.83	29.89	29.82	31.00	20.83	20.89	20.82	22.00
EDGE 1 Tx slot	25.72	25.75	25.70	27.90	16.72	16.75	16.70	18.90
EDGE 2 Tx slots	25.58	25.60	25.55	27.90	16.58	16.60	16.55	18.90

<WCDMA>

	Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
		5262	9400	9538		1312	1413	1513		4132	4182	4233	
	TX Channel	9662	9800	9938		1537	1638	1738		4367	4467	4468	
	Rx Channel												
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.53	24.05	24.02	25.00	24.00	24.06	23.94	25.00	24.65	24.70	24.65	26.00
3GPP Rel 99	RMC 12.2Kbps	23.98	24.08	24.05	25.00	24.02	24.10	23.98	25.00	24.68	24.72	24.69	26.00
3GPP Rel 6	HSDPA Subtest-1	22.80	22.89	22.93	24.00	22.82	22.84	22.78	24.00	23.57	23.61	23.66	25.00
3GPP Rel 6	HSDPA Subtest-2	22.79	22.91	22.91	24.00	22.82	22.84	22.71	24.00	23.58	23.59	23.65	25.00
3GPP Rel 6	HSDPA Subtest-3	22.32	22.38	22.36	23.50	22.33	22.31	22.23	23.50	23.07	23.12	23.15	24.50
3GPP Rel 6	HSDPA Subtest-4	22.27	22.41	22.38	23.50	22.31	22.32	22.21	23.50	23.08	23.07	23.14	24.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.68	22.74	22.63	24.00	22.63	23.00	22.90	24.00	23.30	23.36	23.26	25.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.33	22.38	22.30	24.00	22.45	22.52	22.42	24.00	22.78	22.92	22.73	25.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.50	22.55	22.48	23.90	22.98	23.02	22.92	23.90	23.38	23.42	23.35	24.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.61	22.67	22.58	23.90	22.90	22.96	22.85	23.90	23.35	23.43	23.30	24.50
3GPP Rel 6	HSUPA Subtest-1	22.81	22.90	22.89	24.00	22.83	22.81	22.80	24.00	23.50	23.59	23.64	25.00
3GPP Rel 6	HSUPA Subtest-2	20.79	20.84	20.87	22.00	20.82	20.81	20.81	22.00	21.51	21.58	21.62	23.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.90	21.97	23.00	21.82	21.83	21.74	23.00	22.55	22.58	22.59	24.00
3GPP Rel 6	HSUPA Subtest-4	20.79	20.85	20.90	22.00	20.85	20.82	20.80	22.00	21.51	21.57	21.57	23.00
3GPP Rel 6	HSUPA Subtest-5	22.70	22.80	22.90	24.00	22.80	22.90	22.80	24.00	23.50	23.60	23.60	25.00

<WCDMA>

	Band	WCDMA II_Ant 2			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
		5262	9400	9538		1312	1413	1513		4132	4182	4233	
	TX Channel	9662	9800	9938		1537	1638	1738		4367	4467	4468	
	Rx Channel												
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.30	21.31	21.28	22.50	20.82	20.85	20.80	22.00	24.65	24.70	24.65	26.00
3GPP Rel 99	RMC 12.2Kbps	21.33	21.34	21.30	22.50	20.85	20.89	20.83	22.00	24.68	24.72	24.69	26.00
3GPP Rel 6	HSDPA Subtest-1	20.14	20.26	20.30	21.50	19.75	19.72	19.60	21.00	23.57	23.61	23.66	25.00
3GPP Rel 6	HSDPA Subtest-2	20.22	20.27	20.35	21.50	19.67	19.78	19.64	21.00	23.58	23.59	23.65	25.00
3GPP Rel 6	HSDPA Subtest-3	19.69	19.82	19.76	21.00	19.21	19.24	19.08	20.50	23.07	23.12	23.15	24.50
3GPP Rel 6	HSDPA Subtest-4	19.64	19.79	19.80	21.00	19.25	19.26	19.12	20.50	23.08	23.07	23.14	24.50
3GPP Rel 6	DC-HSDPA Subtest-1	20.07	20.14	20.03	21.50	19.67	19.67	19.78	21.00	23.30	23.36	23.26	25.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.67	19.72	19.75	21.50	19.29	19.43	19.27	21.00	22.78	22.82	22.73	25.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.94	19.99	19.82	21.00	19.79	19.93	19.81	20.50	23.36	23.42	23.35	24.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.05	20.11	19.96	21.00	19.77	19.91	19.80	20.50	23.35	23.43	23.30	24.50
3GPP Rel 6	HSUPA Subtest-1	20.23	20.26	20.29	21.50	19.76	19.70	19.69	21.00	23.50	23.59	23.64	25.00
3GPP Rel 6	HSUPA Subtest-2	18.15	18.28	18.31	19.50	17.77	17.65	17.66	19.00	21.51	21.58	21.62	23.00
3GPP Rel 6	HSUPA Subtest-3	19.18	19.29	19.40	20.50	18.75	18.73	18.60	20.00	22.35	22.58	22.59	24.00
3GPP Rel 6	HSUPA Subtest-4	18.19	18.23	18.26	19.50	17.69	17.74	17.64	19.00	21.51	21.57	21.57	23.00
3GPP Rel 6	HSUPA Subtest-5	20.12	20.24	20.35	21.50	19.70	19.82	19.74	21.00	23.50	23.60	23.60	25.00



















Band 30\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	2185	2192	2195	23.5	0
10	QPSK	1	25	2185	2192	2195		
10	QPSK	1	49	2185	2192	2195		
10	QPSK	25	0	20.60	20.60	20.60		
10	QPSK	25	12	20.62	20.62	20.62		
10	QPSK	25	25	20.63	20.63	20.63		
10	QPSK	50	0	20.78	20.78	20.78		
10	16QAM	1	0	20.53	20.53	20.53		
10	16QAM	1	25	20.54	20.54	20.54		
10	16QAM	1	49	20.72	20.72	20.72		
10	16QAM	25	0	19.55	19.55	19.55		
10	16QAM	25	12	19.61	19.61	19.61		

Band 66\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	23.93	23.97	23.96	25	0
20	QPSK	1	49	23.96	23.98	23.97		
20	QPSK	1	99	23.99	23.97	23.95		
20	QPSK	50	0	22.97	23.00	22.93		
20	QPSK	50	24	22.98	23.04	22.95		
20	QPSK	50	50	22.99	23.05	22.93		
20	QPSK	100	0	22.96	23.00	22.91		
20	16QAM	1	0	23.22	23.43	23.26		
20	16QAM	1	49	23.16	23.26	23.13		
20	16QAM	1	99	23.16	23.15	23.12		
20	16QAM	25	0	22.02	22.01	21.96		
20	16QAM	25	12	22.01	22.01	21.96		

Band 66\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	0	21.76	21.80	21.73	23	0
20	QPSK	1	49	21.78	21.82	21.75		
20	QPSK	1	99	21.79	21.79	21.75		
20	QPSK	50	0	20.71	20.73	20.68		
20	QPSK	50	24	20.73	20.75	20.70		
20	QPSK	50	50	20.73	20.75	20.70		
20	QPSK	100	0	20.70	20.72	20.68		
20	16QAM	1	0	21.06	21.25	21.13		
20	16QAM	1	49	20.93	21.04	20.97		
20	16QAM	1	99	21.04	20.99	21.04		
20	16QAM	25	0	19.96	19.95	19.80		
20	16QAM	25	12	19.93	19.94	19.80		











Band 41\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Rows include Channel Frequency (MHz) and various QPSK and 16QAM configurations for RB sizes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20, 24, 25, 27, 28, 30.

Band 41 HPUE\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Rows include Channel Frequency (MHz) and various QPSK and 16QAM configurations for RB sizes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20, 24, 25, 27, 28, 30.

Band 41\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low-Mid Ch./Freq., Power Mid Ch./Freq., Power High-Mid Ch./Freq., Power High Ch./Freq., Turn-up time (dBm), MPR (dB). Rows include Channel Frequency (MHz) and various QPSK and 16QAM configurations for RB sizes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20, 24, 25, 27, 28, 30.



Band 41 HPUE\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Low High Ch./Freq., Power High Mid Ch./Freq., Power High High Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel, Frequency (MHz), and Channel sub-sections.

Band 48\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Low High Ch./Freq., Power High Mid Ch./Freq., Power High High Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel, Frequency (MHz), and Channel sub-sections.

Band 48\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power Low High Ch./Freq., Power High Mid Ch./Freq., Power High High Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel, Frequency (MHz), and Channel sub-sections.





State 8 Power

<GSM>

GSM900_Ant0	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	126	186	251		126	186	251	
TX Channel	824.2	836.4	848.6	30.00	824.2	836.4	848.6	21.00
Frequency (MHz)	28.53	28.56	28.47	30.00	19.53	19.56	19.47	21.00
GSM 1 Tx slot	28.53	28.56	28.47	30.00	19.53	19.56	19.47	21.00
GPRS 1 Tx slot	28.53	28.56	28.47	30.00	19.53	19.56	19.47	21.00
GPRS 2 Tx slots	22.55	22.65	22.53	24.80	13.55	13.55	13.52	16.80
EDGE 1 Tx slot	22.53	22.52	22.52	24.80	13.53	13.52	13.52	16.80
EDGE 2 Tx slots	22.53	22.52	22.52	24.80	13.53	13.52	13.52	16.80

<GSM>

GSM900_Ant1	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	661	610		512	661	610	
TX Channel	1632.2	1650	1609.6	31.00	1632.2	1650	1609.6	22.00
Frequency (MHz)	30.19	30.25	30.18	31.00	21.19	21.25	21.15	22.00
GSM 1 Tx slot	30.11	30.15	30.08	31.00	21.11	21.15	21.08	22.00
GPRS 1 Tx slot	29.83	29.89	29.82	31.00	20.83	20.89	20.82	22.00
GPRS 2 Tx slots	25.72	25.75	25.70	27.90	16.72	16.75	16.70	18.90
EDGE 1 Tx slot	25.58	25.60	25.55	27.90	16.58	16.60	16.55	18.90
EDGE 2 Tx slots	25.58	25.60	25.55	27.90	16.58	16.60	16.55	18.90

<WCDMA>

Band	WCDMA I_Ant 1			Tune-up Limit	WCDMA IV_Ant 1			Tune-up Limit	WCDMA V_Ant 0			Tune-up Limit
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	23.50	1537	1638	1738	25.00	4367	4467	4468	24.00
Frequency (MHz)	1852.4	1880	1907.6	23.50	1712.4	1732.6	1752.6	25.00	426.4	436.4	446.6	24.00
3GPP Rel 99 AMR 12.2Kbps	22.45	22.50	22.48	23.50	24.00	24.06	23.94	25.00	22.68	22.73	22.72	24.00
3GPP Rel 99 RMC 12.2Kbps	22.48	22.53	22.50	23.50	24.02	24.10	23.98	25.00	22.70	22.76	22.74	24.00
3GPP Rel 6 HSDPA Subtest-1	21.23	21.26	21.31	22.50	22.82	22.84	22.78	24.00	21.43	21.45	21.51	23.00
3GPP Rel 6 HSDPA Subtest-2	21.15	21.29	21.33	22.50	22.82	22.84	22.71	24.00	21.49	21.45	21.58	23.00
3GPP Rel 6 HSDPA Subtest-3	20.68	20.80	20.80	22.00	22.31	22.31	22.23	23.50	20.99	21.07	20.96	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	21.11	21.15	21.02	22.50	22.93	23.00	22.90	24.00	21.24	21.31	21.13	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	20.77	20.82	20.75	22.50	22.45	22.52	22.42	24.00	20.84	20.87	20.58	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	20.84	20.92	20.83	22.00	22.98	23.02	22.92	23.50	21.31	21.27	21.26	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	20.98	21.12	20.92	22.00	22.90	22.90	22.85	23.50	21.25	21.34	21.16	22.50
3GPP Rel 6 HSUPA Subtest-1	21.21	21.33	21.32	22.50	22.83	22.81	22.80	24.00	21.39	21.54	21.53	23.00
3GPP Rel 6 HSUPA Subtest-2	19.18	19.23	19.22	20.50	20.92	20.81	20.81	22.00	19.38	19.52	19.57	21.00
3GPP Rel 6 HSUPA Subtest-3	20.23	20.24	20.41	21.50	21.82	21.83	21.74	23.00	20.49	20.52	20.48	22.00
3GPP Rel 6 HSUPA Subtest-4	19.18	19.20	19.25	20.50	20.85	20.82	20.80	22.00	19.41	19.52	19.50	21.00
3GPP Rel 6 HSUPA Subtest-5	21.13	21.27	21.24	22.50	22.80	22.90	22.80	24.00	21.42	21.48	21.53	23.00

<WCDMA>

Band	WCDMA II_Ant 2			Tune-up Limit	WCDMA IV_Ant 2			Tune-up Limit	WCDMA V_Ant 2			Tune-up Limit
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	23.50	1537	1638	1738	25.00	4367	4467	4468	24.00
Frequency (MHz)	1852.4	1880	1907.6	23.50	1712.4	1732.6	1752.6	25.00	426.4	436.4	446.6	24.00
3GPP Rel 99 AMR 12.2Kbps	14.93	14.95	14.90	16.00	15.31	15.33	15.28	16.50	20.68	20.72	20.70	22.00
3GPP Rel 99 RMC 12.2Kbps	14.95	14.98	14.93	16.00	15.33	15.36	15.30	16.50	20.70	20.74	20.71	22.00
3GPP Rel 6 HSDPA Subtest-1	13.75	13.82	13.81	15.00	14.26	14.18	14.12	15.50	19.62	19.53	19.53	21.00
3GPP Rel 6 HSDPA Subtest-2	13.70	13.86	13.85	15.00	14.19	14.20	14.09	15.80	19.51	19.52	19.56	21.00
3GPP Rel 6 HSDPA Subtest-3	13.16	13.25	13.24	14.50	13.70	13.75	13.64	15.00	18.94	18.96	19.00	20.50
3GPP Rel 6 HSDPA Subtest-4	13.22	13.36	13.25	14.50	13.67	13.72	13.64	15.00	18.96	19.00	19.07	20.50
3GPP Rel 6 DC-HSDPA Subtest-1	13.61	13.66	13.58	15.00	14.27	14.36	14.34	15.90	19.20	19.28	19.10	21.00
3GPP Rel 6 DC-HSDPA Subtest-2	13.17	13.30	13.21	15.00	13.86	13.88	13.77	15.90	18.89	18.74	18.61	21.00
3GPP Rel 6 DC-HSDPA Subtest-3	13.40	13.42	13.39	14.50	14.37	14.45	14.36	15.00	19.30	19.29	19.29	20.50
3GPP Rel 6 DC-HSDPA Subtest-4	13.52	13.56	13.46	14.50	14.28	14.36	14.26	15.00	19.26	19.27	19.25	20.50
3GPP Rel 6 HSUPA Subtest-1	13.67	13.82	13.73	15.00	14.23	14.17	14.16	16.50	19.45	19.52	19.54	21.00
3GPP Rel 6 HSUPA Subtest-2	11.69	11.70	11.74	13.00	12.25	12.26	12.19	13.80	17.41	17.46	17.57	19.00
3GPP Rel 6 HSUPA Subtest-3	12.67	12.77	12.86	14.00	13.23	13.27	13.08	14.50	18.50	18.49	18.44	20.00
3GPP Rel 6 HSUPA Subtest-4	11.64	11.80	11.82	13.00	12.25	12.25	12.16	13.80	17.38	17.41	17.49	19.00
3GPP Rel 6 HSUPA Subtest-5	13.65	13.75	13.84	15.00	14.23	14.26	14.17	15.90	19.44	19.46	19.44	21.00



Band 2_Ant 1										
BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	0	2191	2187	2191	2187	23.5	0	
20	QPSK	1	49	2191	2202	2191	2202	23.5	0	
20	QPSK	50	0	2030	2030	2030	2030	22.5	1	
20	QPSK	50	24	2030	2038	2030	2038	22.5	1	
20	QPSK	100	0	2031	2036	2031	2036	22.5	1	
20	16QAM	1	0	2036	2033	2036	2033	22.5	1	
20	16QAM	1	49	2036	2045	2036	2045	22.5	1	
20	16QAM	50	0	1984	1984	1984	1984	21.5	2	
20	16QAM	50	24	1984	1993	1984	1993	21.5	2	
20	16QAM	100	0	1987	1992	1987	1992	21.5	2	
20	16QAM	100	49	1987	1996	1987	1996	21.5	2	
20	64QAM	1	0	1983	1988	1983	1988	20.5	3	
20	64QAM	1	49	1983	1992	1983	1992	20.5	3	
20	64QAM	50	0	1886	1886	1886	1886	18.5	5	
20	64QAM	50	24	1886	1895	1886	1895	18.5	5	
20	256QAM	1	0	1633	1630	1633	1630	12	5	
20	256QAM	1	49	1633	1642	1633	1642	12	5	
20	256QAM	50	0	1591	1591	1591	1591	11.5	5	
20	256QAM	50	24	1591	1600	1591	1600	11.5	5	
20	256QAM	100	0	1592	1597	1592	1597	11.5	5	
20	256QAM	100	49	1592	1601	1592	1601	11.5	5	

Band 2_Ant 2										
BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	0	1531	1536	1531	1536	17	0	
20	QPSK	1	49	1531	1545	1531	1545	17	0	
20	QPSK	50	0	1433	1433	1433	1433	16	1	
20	QPSK	50	24	1433	1442	1433	1442	16	1	
20	QPSK	100	0	1427	1432	1427	1432	16	1	
20	16QAM	1	0	1428	1440	1428	1440	16	1	
20	16QAM	1	49	1428	1439	1428	1439	16	1	
20	16QAM	50	0	1339	1339	1339	1339	15	2	
20	16QAM	50	24	1339	1348	1339	1348	15	2	
20	16QAM	100	0	1337	1339	1337	1339	15	2	
20	16QAM	100	49	1337	1348	1337	1348	15	2	
20	64QAM	1	0	1337	1339	1337	1339	14	3	
20	64QAM	1	49	1337	1348	1337	1348	14	3	
20	64QAM	50	0	1233	1239	1233	1239	12	5	
20	64QAM	50	24	1233	1248	1233	1248	12	5	
20	256QAM	1	0	1036	1036	1036	1036	12	5	
20	256QAM	1	49	1036	1045	1036	1045	12	5	
20	256QAM	50	0	1029	1029	1029	1029	11.5	5	
20	256QAM	50	24	1029	1038	1029	1038	11.5	5	
20	256QAM	100	0	1028	1033	1028	1033	11.5	5	
20	256QAM	100	49	1028	1037	1028	1037	11.5	5	

Band 2_Ant 7										
BW (MHz)	Modulation	Channel Frequency (MHz)	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	0	1890	1900	1890	1900	20.5	0	
20	QPSK	1	49	1890	1909	1890	1909	20.5	0	
20	QPSK	50	0	1797	1793	1797	1793	19.5	1	
20	QPSK	50	24	1797	1806	1797	1806	19.5	1	
20	QPSK	100	0	1787	1805	1787	1805	19.5	1	
20	16QAM	1	0	1797	1794	1797	1794	19.5	1	
20	16QAM	1	49	1797	1803	1797	1803	19.5	1	
20	16QAM	50	0	1693	1691	1693	1691	18.5	2	
20	16QAM	50	24	1693	1702	1693	1702	18.5	2	
20	16QAM	100	0	1688	1696	1688	1696	18.5	2	
20	16QAM	100	49	1688	1697	1688	1697	18.5	2	
20	64QAM	1	0	1689	1690	1689	1690	17.5	3	
20	64QAM	1	49	1689	1698	1689	1698	17.5	3	
20	64QAM	50	0	1590	1590	1590	1590	15.5	5	
20	64QAM	50	24	1590	1600	1590	1600	15.5	5	
20	256QAM	1	0	1399	1394	1399	1394	15.5	5	
20	256QAM	1	49	1399	1408	1399	1408	15.5	5	
20	256QAM	50	0	1398	1398	1398	1398	15.5	5	
20	256QAM	50	24	1398	1407	1398	1407	15.5	5	
20	256QAM	100	0	1398	1398	1398	1398	15.5	5	
20	256QAM	100	49	1398	1407	1398	1407	15.5	5	





Band 5\_Ant 0

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include QPSK and 16QAM modulations across various frequencies and bandwidths.

Band 5\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include QPSK and 16QAM modulations across various frequencies and bandwidths.

Band 7\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include QPSK and 16QAM modulations across various frequencies and bandwidths.













Band 30\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM across different bandwidths.

Band 66\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM across different bandwidths.

Band 66\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM across different bandwidths.













Band 41 HPUE\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel and Frequency (MHz) sub-headers.

Band 48\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel and Frequency (MHz) sub-headers.

Band 48\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Mid Ch./Freq., Power High Ch./Freq., Power High Mid Ch./Freq., Turn-up limit (dBm), MPR (dB). Includes Channel and Frequency (MHz) sub-headers.





Inter\_CA Mode Full Power

Band 2\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and power levels.

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and power levels.

Band 2\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and power levels.



### Band 4 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)			20050	20175	20300		
20	QPSK	1	0	20.39	20.48	20.34		
20	QPSK	1	49	20.40	20.49	20.39	22	0
20	QPSK	1	98	20.39	20.48	20.34		
20	QPSK	50	0	19.52	19.40	19.47		
20	QPSK	50	24	19.53	19.59	19.48	21	1
20	QPSK	50	48	19.56	19.61	19.41		
20	QPSK	100	0	19.49	19.52	19.48		
20	16QAM	1	0	19.75	19.75	19.63	21	1
20	16QAM	1	49	19.92	19.91	19.74		
20	16QAM	1	99	19.95	19.99	19.41		
20	16QAM	50	0	18.51	18.45	18.46		
20	16QAM	50	24	18.46	18.60	18.46	20	2
20	16QAM	50	50	18.51	18.43	18.43		
20	16QAM	100	0	18.39	18.48	18.34		
20	16QAM	1	0	18.63	18.67	18.67	20	2
20	16QAM	1	49	18.76	18.87	18.62		
20	16QAM	1	99	18.47	18.60	18.23		
20	16QAM	50	0	17.44	17.49	17.52		
20	16QAM	50	24	17.48	17.53	17.36	19	3
20	16QAM	50	50	17.37	17.42	17.37		
20	256QAM	100	0	17.48	17.53	17.36		
20	256QAM	1	0	15.52	15.53	15.58	17	5
20	256QAM	1	99	15.52	15.53	15.58		
20	256QAM	50	24	15.50	15.57	15.51		
20	256QAM	50	50	15.44	15.44	15.39		
20	256QAM	100	0	15.40	15.52	15.38		

### Band 4 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)			20050	20175	20300		
20	QPSK	1	0	20.39	20.48	20.34		
20	QPSK	1	49	20.40	20.49	20.39	22	0
20	QPSK	1	99	20.39	20.34	20.14		
20	QPSK	50	0	19.52	19.40	19.47		
20	QPSK	50	24	19.53	19.59	19.48	21	1
20	QPSK	50	48	19.56	19.61	19.41		
20	QPSK	100	0	19.49	19.52	19.48		
20	16QAM	1	0	19.75	19.75	19.63	21	1
20	16QAM	1	49	19.92	19.91	19.74		
20	16QAM	1	99	19.95	19.99	19.41		
20	16QAM	50	0	18.51	18.45	18.46		
20	16QAM	50	24	18.46	18.60	18.46	20	2
20	16QAM	50	50	18.51	18.43	18.43		
20	16QAM	100	0	18.39	18.48	18.34		
20	16QAM	1	0	18.63	18.67	18.67	20	2
20	16QAM	1	49	18.76	18.87	18.62		
20	16QAM	1	99	18.47	18.60	18.23		
20	16QAM	50	0	17.44	17.49	17.52		
20	16QAM	50	24	17.48	17.53	17.36	19	3
20	16QAM	50	50	17.37	17.42	17.37		
20	256QAM	100	0	17.48	17.53	17.36		
20	256QAM	1	0	15.52	15.53	15.58	17	5
20	256QAM	1	99	15.52	15.53	15.58		
20	256QAM	50	24	15.50	15.57	15.51		
20	256QAM	50	50	15.44	15.44	15.39		
20	256QAM	100	0	15.40	15.52	15.38		

### Band 4 Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)			20050	20175	20300		
20	QPSK	1	0	20.15	20.10	20.11		
20	QPSK	1	49	20.20	20.29	20.17	21.5	0
20	QPSK	1	98	20.15	20.10	20.11		
20	QPSK	50	0	19.20	19.20	19.21		
20	QPSK	50	24	19.25	19.27	19.23	20.5	1
20	QPSK	50	48	19.30	19.30	19.36		
20	QPSK	100	0	19.23	19.24	19.15		
20	16QAM	1	0	19.48	19.53	19.55	20.5	1
20	16QAM	1	49	19.53	19.59	19.50		
20	16QAM	1	99	19.44	19.39	19.22		
20	16QAM	50	0	18.36	18.23	18.24		
20	16QAM	50	24	18.30	18.38	18.26	19.5	2
20	16QAM	50	50	18.27	18.31	18.21		
20	16QAM	100	0	18.29	18.29	18.31		
20	16QAM	1	0	18.52	18.52	18.51	20	2
20	16QAM	1	49	18.43	18.50	18.44		
20	16QAM	1	99	18.35	18.35	18.26		
20	16QAM	50	0	17.37	17.25	17.25		
20	16QAM	50	24	17.35	17.38	17.31	18.5	3
20	16QAM	50	50	17.26	17.26	17.19		
20	256QAM	100	0	17.31	17.28	17.31		
20	256QAM	1	0	15.28	15.33	15.31	16.5	5
20	256QAM	1	99	15.21	15.36	15.23		
20	256QAM	50	24	15.18	15.30	15.19		
20	256QAM	50	50	15.23	15.33	15.15		
20	256QAM	100	0	15.20	15.30	15.20		





Band 7\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Mid Ch./Freq, Power High Ch./Freq, Turn-up limit (dBm), MPR (dB). Includes sub-tables for Channel 20850-21100 and Channel 20850-21100.

Band 12\_Ant 0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Mid Ch./Freq, Power High Ch./Freq, Turn-up limit (dBm), MPR (dB). Includes sub-tables for Channel 23030-23095 and Channel 23030-23095.

Band 12\_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Mid Ch./Freq, Power High Ch./Freq, Turn-up limit (dBm), MPR (dB). Includes sub-tables for Channel 23030-23095 and Channel 23030-23095.













n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel									
	Frequency (MHz)			1890	1890	1900			
20	Pi2 BPSK	1	1	21.02	21.02	20.92	22.0	0.0	
20	Pi2 BPSK	1	53	20.87	21.02	20.85	22.0	0.0	
20	Pi2 BPSK	1	104	20.86	20.86	20.86	22.0	0.0	
20	Pi2 BPSK	50	0	20.98	20.87	20.80	22.0	0.0	
20	Pi2 BPSK	50	28	20.82	20.80	20.77	22.0	0.0	
20	Pi2 BPSK	50	56	20.75	20.84	20.82	22.0	0.0	
20	Pi2 BPSK	100	0	20.88	20.87	20.80	22.0	0.0	
20	QPSK	1	1	20.91	21.02	20.87	22.0	0.0	
20	QPSK	1	53	20.85	20.73	20.78	22.0	0.0	
20	QPSK	1	104	20.89	21.00	20.86	22.0	0.0	
20	QPSK	50	0	20.90	20.84	20.70	22.0	0.0	
20	QPSK	50	28	20.88	20.89	20.83	22.0	0.0	
20	QPSK	50	56	20.88	20.88	20.72	22.0	0.0	
20	QPSK	100	0	20.85	20.87	20.85	22.0	0.0	
20	16QAM	1	1	20.75	20.84	20.70	22.0	0.0	
20	16QAM	1	1	20.74	20.92	20.80	22.0	0.0	
20	256QAM	1	1	19.37	19.42	19.33	20.5	1.5	
Channel									
	Frequency (MHz)			1897.5	1890	1902.5			
15	QPSK	1	1	20.91	20.83	20.85	22.0	0.0	
Channel									
	Frequency (MHz)			1895	1890	1900			
10	QPSK	1	1	20.89	20.89	20.87	22.0	0.0	
Channel									
	Frequency (MHz)			1905.0	1900	1910.0			
5	QPSK	1	1	20.93	21.03	20.82	22.0	1.5	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel									
	Frequency (MHz)			1905	1905	1905			
20	Pi2 BPSK	1	1	21.05	21.03	20.93	22.0	0.0	
20	Pi2 BPSK	1	53	20.87	21.02	20.85	22.0	0.0	
20	Pi2 BPSK	1	104	20.88	20.80	20.83	22.0	0.0	
20	Pi2 BPSK	50	0	20.98	20.87	20.89	22.0	0.0	
20	Pi2 BPSK	50	28	20.82	20.83	20.77	22.0	0.0	
20	Pi2 BPSK	50	56	20.73	20.84	20.82	22.0	0.0	
20	Pi2 BPSK	100	0	20.88	20.87	20.80	22.0	0.0	
20	QPSK	1	1	20.91	21.02	20.87	22.0	0.0	
20	QPSK	1	53	20.85	20.73	20.78	22.0	0.0	
20	QPSK	1	104	20.89	21.00	20.86	22.0	0.0	
20	QPSK	50	0	20.90	20.84	20.70	22.0	0.0	
20	QPSK	50	28	20.88	20.89	20.83	22.0	0.0	
20	QPSK	50	56	20.88	20.88	20.72	22.0	0.0	
20	QPSK	100	0	20.85	20.87	20.85	22.0	0.0	
20	16QAM	1	1	20.75	20.84	20.70	22.0	0.0	
20	16QAM	1	1	20.74	20.92	20.80	22.0	0.0	
20	256QAM	1	1	19.37	19.42	19.33	20.5	1.5	
Channel									
	Frequency (MHz)			1907.5	1890	1902.5			
15	QPSK	1	1	20.91	20.83	20.85	22.0	0.0	
Channel									
	Frequency (MHz)			1905	1890	1900			
10	QPSK	1	1	20.89	20.89	20.87	22.0	0.0	
Channel									
	Frequency (MHz)			1905.0	1900	1910.0			
5	QPSK	1	1	20.93	21.03	20.82	22.0	1.5	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.			
Channel									
	Frequency (MHz)			1880.0	1879.0	1880.0			
20	Pi2 BPSK	1	1	21.48	21.56	21.52	23.0	0.0	
20	Pi2 BPSK	1	53	21.54	21.51	21.50	23.0	0.0	
20	Pi2 BPSK	1	104	21.50	21.70	21.54	23.0	0.0	
20	Pi2 BPSK	50	0	21.50	21.54	21.58	23.0	0.0	
20	Pi2 BPSK	50	28	21.31	21.48	21.41	23.0	0.0	
20	Pi2 BPSK	50	56	21.28	21.43	21.51	23.0	0.0	
20	Pi2 BPSK	100	0	21.48	21.57	21.51	23.0	0.0	
20	QPSK	1	1	21.60	21.71	21.65	23.0	0.0	
20	QPSK	1	53	21.37	21.58	21.58	23.0	0.0	
20	QPSK	1	104	21.58	21.70	21.65	23.0	0.0	
20	QPSK	50	0	21.38	21.51	21.44	23.0	0.0	
20	QPSK	50	28	21.38	21.67	21.60	23.0	0.0	
20	QPSK	50	56	21.55	21.63	21.63	23.0	0.0	
20	QPSK	100	0	21.44	21.54	21.58	23.0	0.0	
20	16QAM	1	1	21.35	21.52	21.53	23.0	0.0	
20	16QAM	1	1	21.33	21.59	21.68	23.0	0.0	
20	256QAM	1	1	20.09	20.09	20.00	21.5	1.5	
Channel									
	Frequency (MHz)			1881.5	1881.5	1881.5			
15	QPSK	1	1	21.46	21.53	21.52	23.0	0.0	
Channel									
	Frequency (MHz)			1879	1881.5	1881			
10	QPSK	1	1	21.53	21.55	21.54	23.0	0.0	
Channel									
	Frequency (MHz)			1880.0	1879.0	1880.0			
5	QPSK	1	1	21.54	21.58	21.57	23.0	0.0	



n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				166600	167500	167900		
Frequency (MHz)				804	808.5	809		
20	PB2-BPSK	1	1	21.45	21.54	21.52	23.0	0.0
20	PB2-BPSK	1	53	21.54	21.51	21.50	23.0	0.0
20	PB2-BPSK	1	104	21.50	21.70	21.64	23.0	0.0
20	PB2-BPSK	50	0	21.50	21.54	21.56	23.0	0.0
20	PB2-BPSK	50	28	21.51	21.48	21.41	23.0	0.0
20	PB2-BPSK	50	55	21.50	21.53	21.51	23.0	0.0
20	PB2-BPSK	100	0	21.48	21.57	21.51	23.0	0.0
20	QPSK	1	1	21.50	21.71	21.62	23.0	0.0
20	QPSK	1	53	21.57	21.56	21.56	23.0	0.0
20	QPSK	1	104	21.58	21.70	21.85	23.0	0.0
20	QPSK	50	0	21.58	21.51	21.44	23.0	0.0
20	QPSK	50	28	21.58	21.67	21.60	23.0	0.0
20	QPSK	50	55	21.50	21.63	21.49	23.0	0.0
20	QPSK	100	0	21.44	21.54	21.50	23.0	0.0
20	16QAM	1	1	21.50	21.52	21.53	23.0	0.0
20	16QAM	1	1	21.50	21.50	21.50	23.0	0.0
20	256QAM	1	1	20.00	20.00	20.00	21.5	1.5
Channel				166500	167500	167500		
Frequency (MHz)				813.0	816.5	815.5		
15	QPSK	1	1	21.40	21.53	21.52	23.0	0.0
Channel				166500	167500	167500		
Frequency (MHz)				820	826	824		
10	QPSK	1	1	21.53	21.65	21.64	23.0	0.0
Channel				166500	167500	167500		
Frequency (MHz)				828.5	834	833		
5	QPSK	1	1	21.54	21.54	21.52	23.0	0.0

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				141900	141900	141700		
Frequency (MHz)				704.5	707.5	707.5		
15	PB2-BPSK	1	1	21.50	21.51	21.52	23.0	0.0
15	PB2-BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PB2-BPSK	1	77	21.43	21.55	21.45	23.0	0.0
15	PB2-BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PB2-BPSK	36	22	21.37	21.37	21.38	23.0	0.0
15	PB2-BPSK	36	43	21.33	21.47	21.48	23.0	0.0
15	PB2-BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.48	21.45	23.0	0.0
15	QPSK	1	40	21.54	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43	23.0	0.0
15	QPSK	36	0	21.33	21.45	21.52	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	43	21.33	21.51	21.45	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.46	23.0	0.0
15	16QAM	1	1	21.50	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.46	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel				141900	141700	141700		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.57	21.45	21.47	23.0	0.0
Channel				141900	141700	141700		
Frequency (MHz)				710.5	713.5	713.5		
5	QPSK	1	1	21.49	21.51	21.45	23.0	0.0

n12_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				141900	141600	141700		
Frequency (MHz)				706.5	707.5	707.5		
15	PB2-BPSK	1	1	21.50	21.51	21.52	23.0	0.0
15	PB2-BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PB2-BPSK	1	77	21.43	21.55	21.45	23.0	0.0
15	PB2-BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PB2-BPSK	36	22	21.37	21.37	21.38	23.0	0.0
15	PB2-BPSK	36	43	21.33	21.47	21.48	23.0	0.0
15	PB2-BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.48	21.45	23.0	0.0
15	QPSK	1	40	21.54	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43	23.0	0.0
15	QPSK	36	0	21.33	21.45	21.52	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	43	21.33	21.51	21.45	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.46	23.0	0.0
15	16QAM	1	1	21.50	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.46	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel				141900	141600	141700		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.57	21.45	21.47	23.0	0.0
Channel				141900	141700	141700		
Frequency (MHz)				710.5	713.5	713.5		
5	QPSK	1	1	21.48	21.51	21.45	23.0	0.0



n25_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				1870	1882.2	1898		
Frequency (MHz)				1870	1882.2	1898		
40	PV2 BPSK	1	1	19.92	20.02	20.08	21.5	0.0
40	PV2 BPSK	1	108	19.91	19.93	19.96	21.5	0.0
40	PV2 BPSK	1	214	19.92	19.98	19.99	21.5	0.0
40	PV2 BPSK	108	0	19.86	20.03	19.97	21.5	0.0
40	PV2 BPSK	108	54	19.82	19.84	19.79	21.5	0.0
40	PV2 BPSK	108	108	19.78	19.92	19.87	21.5	0.0
40	PV2 BPSK	216	0	19.88	19.95	19.97	21.5	0.0
40	QPSK	1	1	19.94	20.01	19.97	21.5	0.0
40	QPSK	1	108	19.84	19.81	19.81	21.5	0.0
40	QPSK	1	214	19.84	20.01	19.89	21.5	0.0
40	QPSK	108	0	19.77	19.87	19.87	21.5	0.0
40	QPSK	108	54	19.82	19.87	19.86	21.5	0.0
40	QPSK	108	108	19.78	19.98	19.86	21.5	0.0
40	QPSK	216	0	19.82	20.02	20.04	21.5	0.0
40	16QAM	1	1	19.83	19.81	19.86	21.5	0.0
40	16QAM	1	1	19.77	19.80	19.83	21.5	0.0
40	256QAM	1	1	18.15	18.17	18.19	20.0	1.5
Channel				1892.0	1895.0	1900.0		
Frequency (MHz)				1892.0	1895.0	1900.0		
30	QPSK	1	1	19.80	19.87	20.00	21.5	0.0
Channel				1920.0	1925.0	1930.0		
Frequency (MHz)				1920.0	1925.0	1930.0		
20	QPSK	1	1	19.88	19.97	19.98	21.5	0.0
Channel				17500.0	17600.0	18100.0		
Frequency (MHz)				17500.0	17600.0	18100.0		
20	QPSK	1	1	19.80	19.95	20.03	21.5	0.0
Channel				171500.0	176000.0	181500.0		
Frequency (MHz)				171500.0	176000.0	181500.0		
16	QPSK	1	1	19.87	19.97	19.95	21.5	0.0
Channel				173000.0	176000.0	180000.0		
Frequency (MHz)				173000.0	176000.0	180000.0		
16	QPSK	1	1	19.83	20.02	19.97	21.5	0.0
Channel				18000.0	18050.0	18050.0		
Frequency (MHz)				18000.0	18050.0	18050.0		
3	QPSK	1	1	19.87	20.04	20.00	21.5	0.0

n30_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				1420	1430	1440		
Frequency (MHz)				1420	1430	1440		
10	PV2 BPSK	1	1	14.00	14.00	14.00	15.0	0.0
10	PV2 BPSK	1	26	13.78	13.78	13.78	15.0	0.0
10	PV2 BPSK	1	50	13.73	13.73	13.73	15.0	0.0
10	PV2 BPSK	25	0	13.69	13.69	13.69	15.0	0.0
10	PV2 BPSK	25	14	13.72	13.72	13.72	15.0	0.0
10	PV2 BPSK	25	27	13.67	13.67	13.67	15.0	0.0
10	PV2 BPSK	50	0	13.65	13.65	13.65	15.0	0.0
10	QPSK	1	1	14.03	14.03	14.03	15.0	0.0
10	QPSK	1	26	13.75	13.75	13.75	15.0	0.0
10	QPSK	1	50	13.83	13.83	13.83	15.0	0.0
10	QPSK	25	0	13.68	13.68	13.68	15.0	0.0
10	QPSK	25	14	13.69	13.69	13.69	15.0	0.0
10	QPSK	25	27	13.63	13.63	13.63	15.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	15.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	15.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	15.0	0.0
10	256QAM	1	1	13.59	13.59	13.59	15.0	0.0
Channel				1430.0	1430.0	1430.0		
Frequency (MHz)				1430.0	1430.0	1430.0		
5	QPSK	1	1	13.68	13.72	13.82	15.0	0.0

n30_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				2170	2170	2170		
Frequency (MHz)				2170	2170	2170		
10	PV2 BPSK	1	1	13.72	13.72	13.72	15.0	0.0
10	PV2 BPSK	1	26	13.78	13.78	13.78	15.0	0.0
10	PV2 BPSK	1	50	13.73	13.73	13.73	15.0	0.0
10	PV2 BPSK	25	0	13.69	13.69	13.69	15.0	0.0
10	PV2 BPSK	25	14	13.72	13.72	13.72	15.0	0.0
10	PV2 BPSK	25	27	13.67	13.67	13.67	15.0	0.0
10	PV2 BPSK	50	0	13.65	13.65	13.65	15.0	0.0
10	QPSK	1	1	14.03	14.03	14.03	15.0	0.0
10	QPSK	1	26	13.75	13.75	13.75	15.0	0.0
10	QPSK	1	50	13.83	13.83	13.83	15.0	0.0
10	QPSK	25	0	13.68	13.68	13.68	15.0	0.0
10	QPSK	25	14	13.69	13.69	13.69	15.0	0.0
10	QPSK	25	27	13.63	13.63	13.63	15.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	15.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	15.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	15.0	0.0
10	256QAM	1	1	13.59	13.59	13.59	15.0	0.0
Channel				2165.0	2165.0	2165.0		
Frequency (MHz)				2165.0	2165.0	2165.0		
5	QPSK	1	1	13.68	13.75	13.82	15.0	0.0



n30_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
346000									
Frequency (MHz)									
10	PV2 BPSK	1	1	19.70					
10	PV2 BPSK	1	26	19.72			21.5	0.0	
10	PV2 BPSK	1	50	19.82					
10	PV2 BPSK	25	0	19.85			21.5	0.0	
10	PV2 BPSK	25	14	19.81			21.5	0.0	
10	PV2 BPSK	25	27	19.88					
10	PV2 BPSK	50	0	19.88			21.5	0.0	
10	QPSK	1	1	19.92					
10	QPSK	1	26	19.86			21.5	0.0	
10	QPSK	1	50	19.74					
10	QPSK	25	0	19.86			21.5	0.0	
10	QPSK	25	14	19.75			21.5	0.0	
10	QPSK	25	27	19.88					
10	QPSK	50	0	19.74			21.5	0.0	
10	HS-DMA	1	1	19.85			21.5	0.0	
10	HS-DMA	1	1	19.80			21.5	0.0	
10	HS-DMA	1	1	19.84			20.0	1.5	
Channel									
346500									
Frequency (MHz)									
5	QPSK	1	1	19.82	19.77	19.74	21.5	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
346000									
Frequency (MHz)									
40	PV2 BPSK	1	1	19.62	19.67	19.60			
40	PV2 BPSK	1	108	21.34	21.45	21.43	22.0	0.0	
40	PV2 BPSK	1	214	21.40	21.51	21.46			
40	PV2 BPSK	108	0	21.39	21.42	21.52	22.0	0.0	
40	PV2 BPSK	108	54	21.33	21.38	21.27	22.0	0.0	
40	PV2 BPSK	108	108	21.31	21.44	21.38	22.0	0.0	
40	PV2 BPSK	216	0	21.48	21.45	21.44			
40	QPSK	1	1	21.23	21.45	21.51			
40	QPSK	1	108	21.25	21.39	21.27	22.0	0.0	
40	QPSK	1	214	21.42	21.53	21.50			
40	QPSK	108	0	21.27	21.48	21.38	22.0	0.0	
40	QPSK	108	54	21.41	21.47	21.46	22.0	0.0	
40	QPSK	108	108	21.40	21.45	21.44			
40	QPSK	216	0	21.44	21.54	21.55	22.0	0.0	
40	HS-DMA	1	1	21.22	21.38	21.35	22.0	0.0	
40	HS-DMA	1	1	21.40	21.40	21.31	22.0	0.0	
40	HS-DMA	1	1	19.73	19.79	19.88	20.5	1.5	
Channel									
346500									
Frequency (MHz)									
30	QPSK	1	1	21.38	21.55	21.44	22.0	0.0	
Channel									
346500									
Frequency (MHz)									
25	QPSK	1	1	21.23	21.47	21.43	22.0	0.0	
Channel									
346000									
Frequency (MHz)									
50	QPSK	1	1	19.62	19.67	19.60			
Channel									
346500									
Frequency (MHz)									
15	QPSK	1	1	21.39	21.48	21.43	22.0	0.0	
Channel									
346000									
Frequency (MHz)									
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0	
Channel									
346500									
Frequency (MHz)									
1	QPSK	1	1	21.38	21.53	21.46	22.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
346000									
Frequency (MHz)									
40	PV2 BPSK	1	1	21.22	21.37	21.30			
40	PV2 BPSK	1	108	21.34	21.43	21.43	22.0	0.0	
40	PV2 BPSK	1	214	21.40	21.51	21.46			
40	PV2 BPSK	108	0	21.39	21.42	21.52	22.0	0.0	
40	PV2 BPSK	108	54	21.33	21.38	21.27	22.0	0.0	
40	PV2 BPSK	108	108	21.31	21.44	21.38	22.0	0.0	
40	PV2 BPSK	216	0	21.46	21.43	21.44			
40	QPSK	1	1	21.53	21.55	21.51			
40	QPSK	1	108	21.25	21.39	21.27	22.0	0.0	
40	QPSK	1	214	21.42	21.53	21.50			
40	QPSK	108	0	21.27	21.48	21.38	22.0	0.0	
40	QPSK	108	54	21.41	21.47	21.46	22.0	0.0	
40	QPSK	108	108	21.40	21.45	21.44			
40	QPSK	216	0	21.44	21.54	21.55	22.0	0.0	
40	HS-DMA	1	1	21.22	21.38	21.35	22.0	0.0	
40	HS-DMA	1	1	21.40	21.40	21.31	22.0	0.0	
40	HS-DMA	1	1	19.73	19.79	19.88	20.5	1.5	
Channel									
346500									
Frequency (MHz)									
30	QPSK	1	1	21.38	21.55	21.44	22.0	0.0	
Channel									
346500									
Frequency (MHz)									
25	QPSK	1	1	21.23	21.47	21.43	22.0	0.0	
Channel									
346000									
Frequency (MHz)									
50	QPSK	1	1	19.62	19.67	19.60			
Channel									
346500									
Frequency (MHz)									
15	QPSK	1	1	21.39	21.48	21.43	22.0	0.0	
Channel									
346000									
Frequency (MHz)									
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0	
Channel									
346500									
Frequency (MHz)									
1	QPSK	1	1	21.38	21.53	21.46	22.0	0.0	



n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidCh. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	345000	345000		
Frequency (MHz)				1710	1745	1770		
40	PVC BPSK	1	1	19.58	19.58	19.58		
40	PVC BPSK	1	168	19.81	19.92	19.88	21.5	0.0
40	PVC BPSK	1	244	19.91	19.98	19.95		
40	PVC BPSK	168	0	19.87	19.88	19.79	21.5	0.0
40	PVC BPSK	168	54	19.74	19.88	19.79	21.5	0.0
40	PVC BPSK	168	168	19.79	19.88	19.84	21.5	0.0
40	PVC BPSK	216	0	19.88	19.85	19.90		
40	QPSK	1	1	19.89	19.95	19.84		
40	QPSK	1	168	19.76	19.88	19.73	21.5	0.0
40	QPSK	1	214	19.81	19.85	19.83		
40	QPSK	168	0	19.72	19.79	19.81	21.5	0.0
40	QPSK	168	54	19.87	19.95	19.84	21.5	0.0
40	QPSK	168	168	19.89	19.91	19.83	21.5	0.0
40	QPSK	216	0	19.89	19.89	19.89		
40	BQAM	1	1	19.74	19.84	19.88	21.5	0.0
40	BQAM	1	1	19.84	19.90	19.88	21.5	0.0
40	25QAM	1	1	18.20	18.28	18.11	20.0	1.5
Channel				350000	350000	350000		
Frequency (MHz)				1745	1745	1745		
50	QPSK	1	1	19.87	19.87	19.88	21.5	0.0
Channel				345000	345000	345000		
Frequency (MHz)				1722.5	1745	1737.5		
35	QPSK	1	1	19.29	19.95	19.95	21.5	0.0
Channel				344000	345000	346000		
Frequency (MHz)				1710	1745	1770		
50	QPSK	1	1	19.94	19.95	19.98	21.5	0.0
Channel				343500	345000	345500		
Frequency (MHz)				1722.5	1745	1727.5		
15	QPSK	1	1	19.94	19.98	19.98	21.5	0.0
Channel				343000	345000	350000		
Frequency (MHz)				1745	1745	1745		
10	QPSK	1	1	19.99	20.01	19.98	21.5	0.0
Channel				342000	345000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
1	QPSK	1	1	19.94	19.98	19.93	21.5	0.0







### n41\_Ant 9

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				306002	518598	528000		
Frequency (MHz)				2548.03	2592.99	2650		
100	PI2 BPSK	1	1	20.49	20.84	20.82		
100	PI2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	PI2 BPSK	1	274	20.37	20.47	20.49		
100	PI2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	PI2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	PI2 BPSK	135	138	20.35	20.59	20.52		
100	PI2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.58	20.85	20.84		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	274	20.82	20.82	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.48	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	8QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	8QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel				308300	518598	528598	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel				307804	518598	528598	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.42	20.56	20.59	22.0	0.0
Channel				305002	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2521.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel				306200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2506	2602.99	2669.98	(dBm)	(dB)
60	QPSK	1	1	20.48	20.57	20.49	22.0	0.0
Channel				304204	518598	532098	Tune-up limit	MPR
Frequency (MHz)				2521.02	2602.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel				303002	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2602.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.48	20.82	20.56	22.0	0.0
Channel				302200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2411	2602.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel				301700	518598	535500	Tune-up limit	MPR
Frequency (MHz)				2298.5	2602.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel				301204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2028.02	2602.99	2680.99	(dBm)	(dB)
20	QPSK	1	1	20.49	20.80	20.55	22.0	0.0
Channel				300700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2023.5	2602.99	2682.98	(dBm)	(dB)
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel				300202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2019.01	2602.99	2688	(dBm)	(dB)
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0





Par27Q n77\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes data for various channels like 100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10.

Par27Q n77\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes data for various channels like 100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10.

Par27Q n77\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes data for various channels like 100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10.



Par270 n77_Ant 10								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	21.04	21.07	21.06		
100	Pi2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	Pi2 BPSK	1	271	20.89	21.05	20.84		
100	Pi2 BPSK	135	9	20.85	20.92	20.95	22.0	0.0
100	Pi2 BPSK	135	69	20.87	21.01	20.88	22.0	0.0
100	Pi2 BPSK	135	138	20.85	20.99	20.76		
100	Pi2 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.00	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.83	21.02	21.03		
100	QPSK	135	9	20.83	20.98	20.98		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.79	20.94	20.91	22.0	0.0
100	16QAM	1	1	20.89	21.00	20.84	22.0	0.0
100	16QAM	1	1	20.79	20.92	20.78	22.0	0.0
100	256QAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.99	20.99	20.88	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.80	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.96	21.02	20.89	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.08	20.92	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.91	21.04	20.87	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

Par27Q n77_Ant 10								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	20.77				
100	Pi2 BPSK	1	137	20.82			22.0	0.0
100	Pi2 BPSK	1	271	20.72				
100	Pi2 BPSK	135	9	20.81			22.0	0.0
100	Pi2 BPSK	135	69	20.82			22.0	0.0
100	Pi2 BPSK	135	138	20.82				
100	Pi2 BPSK	270	0	20.80			22.0	0.0
100	QPSK	1	1	20.76				
100	QPSK	1	137	20.84			22.0	0.0
100	QPSK	1	271	20.74				
100	QPSK	135	9	20.87				
100	QPSK	135	69	20.88			22.0	0.0
100	QPSK	135	138	20.80				
100	QPSK	270	0	20.81			22.0	0.0
100	16QAM	1	1	20.84			22.0	0.0
100	16QAM	1	1	20.88			22.0	0.0
100	256QAM	1	1	20.85			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.94	20.77	20.92	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.86	20.85	20.83	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.80	20.71	20.80	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.80	20.90	20.90	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.84	20.84	20.88	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.84	20.91	20.80	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.87	20.81	20.83	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.85	20.89	20.89	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.89	20.79	20.80	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.81	20.71	20.84	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.85	20.72	20.86	22.0	0.0



Inter\_CA Mode\_State 6&7

Band 2\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, High Ch./Freq., 18900), Power (Low Ch./Freq., 19100), Turnup limit (dBm), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and offsets.

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, High Ch./Freq., 18900), Power (Low Ch./Freq., 19100), Turnup limit (dBm), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and offsets.

Band 2\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, High Ch./Freq., 18900), Power (Low Ch./Freq., 19100), Turnup limit (dBm), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various RB sizes and offsets.



















### n2\_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Power	MidCh. Power	High Ch. Power		
Channel								
				375500	376000	380000		
Frequency (MHz)								
20	PI2 BPSK	1	1	1810	1810	1900		
10	PI2 BPSK	1	53	20.87	21.02	20.85	22.0	0.0
20	PI2 BPSK	1	104	20.86	20.99	20.92		
20	PI2 BPSK	50	0	20.98	20.87	20.80	22.0	0.0
20	PI2 BPSK	50	28	20.82	20.93	20.77	22.0	0.0
20	PI2 BPSK	50	56	20.75	20.84	20.82		
10	PI2 BPSK	100	0	20.88	20.87	20.80	22.0	0.0
20	QPSK	1	1	20.92	21.09	20.87		
20	QPSK	1	53	20.85	20.73	20.76	22.0	0.0
20	QPSK	1	104	20.86	21.00	20.86		
20	QPSK	50	0	20.90	20.84	20.70	22.0	0.0
20	QPSK	50	28	20.88	20.89	20.83	22.0	0.0
20	QPSK	50	56	20.88	20.88	20.73		
20	QPSK	100	0	20.85	20.87	20.85	22.0	0.0
20	16QAM	1	1	20.75	20.84	20.70	22.0	0.0
20	16QAM	1	1	20.74	20.92	20.80	22.0	0.0
20	256QAM	1	1	19.37	19.42	19.33	20.5	1.5
Channel								
				375500	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	1817.5	1850	1902.5		
15	QPSK	1	1	20.91	20.80	20.85	22.0	0.0
Channel								
				375500	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	1850	1850	1900		
10	QPSK	1	1	20.98	20.99	20.87	22.0	0.0
Channel								
				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	1823	1830	1832	22.0	0.0

### n2\_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Power	MidCh. Power	High Ch. Power		
Channel								
				372000	376000	380000		
Frequency (MHz)								
20	PI2 BPSK	1	1	1200	1210	1210		
10	PI2 BPSK	1	53	12.30	12.45	12.31	13.5	0.0
20	PI2 BPSK	1	104	12.28	12.23	12.23		
20	PI2 BPSK	50	0	12.37	12.21	12.30	13.5	0.0
20	PI2 BPSK	50	28	12.18	12.38	12.16	13.5	0.0
20	PI2 BPSK	50	56	12.12	12.27	12.28		
10	PI2 BPSK	100	0	12.33	12.34	12.27	13.5	0.0
20	QPSK	1	1	12.34	12.33	12.27		
20	QPSK	1	53	12.01	12.13	12.20	13.5	0.0
20	QPSK	1	104	12.32	12.44	12.24		
20	QPSK	50	0	12.02	12.25	12.12	13.5	0.0
20	QPSK	50	28	12.29	12.30	12.28	13.5	0.0
20	QPSK	50	56	12.28	12.28	12.23		
20	QPSK	100	0	12.28	12.27	12.09	13.5	0.0
20	16QAM	1	1	12.18	12.24	12.17	13.5	0.0
20	16QAM	1	1	12.18	12.26	12.21	13.5	0.0
20	256QAM	1	1	12.38	12.38	12.28	13.5	0.0
Channel								
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	1240	1223	1228	13.5	0.0
Channel								
				376000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	1855	1850	1900		
10	QPSK	1	1	12.35	12.25	12.29	13.5	0.0
Channel								
				376500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	1200	1200	1200	13.5	0.0

### n5\_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Power	MidCh. Power	High Ch. Power		
Channel								
				166600	167300	167800		
Frequency (MHz)								
20	PI2 BPSK	1	1	1668	166.8	166.8		
20	PI2 BPSK	1	53	21.48	21.52	21.52	23.0	0.0
20	PI2 BPSK	1	104	21.54	21.51	21.50		
20	PI2 BPSK	50	0	21.50	21.70	21.54		
20	PI2 BPSK	50	28	21.31	21.48	21.41	23.0	0.0
20	PI2 BPSK	50	56	21.38	21.43	21.31		
10	PI2 BPSK	100	0	21.48	21.37	21.31	23.0	0.0
20	QPSK	1	1	21.60	21.71	21.65		
20	QPSK	1	53	21.37	21.58	21.58	23.0	0.0
20	QPSK	1	104	21.58	21.70	21.65		
20	QPSK	50	0	21.38	21.51	21.44	23.0	0.0
20	QPSK	50	28	21.38	21.67	21.60	23.0	0.0
20	QPSK	50	56	21.55	21.63	21.40		
20	QPSK	100	0	21.44	21.54	21.52	23.0	0.0
20	16QAM	1	1	21.35	21.52	21.53	23.0	0.0
20	16QAM	1	1	21.33	21.59	21.68	23.0	0.0
20	256QAM	1	1	20.09	20.09	20.00	21.5	1.5
Channel								
				166600	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	161.5	161.5	161.5		
15	QPSK	1	1	21.46	21.53	21.52	23.0	0.0
Channel								
				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	1650	165.0	164		
10	QPSK	1	1	21.53	21.55	21.54	23.0	0.0
Channel								
				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	21.54	21.58	21.57	23.0	0.0



n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				16660	16750	16790		
20	PV2 BPSK	1	1	18.51	18.61	18.63		
20	PV2 BPSK	1	53	18.58	18.55	18.63	20.0	0.0
20	PV2 BPSK	1	104	18.62	18.64	18.72		
20	PV2 BPSK	50	0	18.62	18.65	18.64	20.0	0.0
20	PV2 BPSK	50	28	18.42	18.54	18.55	20.0	0.0
20	PV2 BPSK	50	55	18.45	18.50	18.57	20.0	0.0
20	PV2 BPSK	100	0	18.50	18.67	18.64	20.0	0.0
20	QPSK	1	1	18.68	18.69	18.72		
20	QPSK	1	53	18.47	18.60	18.69	20.0	0.0
20	QPSK	1	104	18.64	18.84	18.78		
20	QPSK	50	0	18.51	18.58	18.51	20.0	0.0
20	QPSK	50	28	18.53	18.78	18.74	20.0	0.0
20	QPSK	50	55	18.68	18.72	18.64	20.0	0.0
20	QPSK	100	0	18.50	18.69	18.62	20.0	0.0
20	16QAM	1	1	18.40	18.88	18.84	20.0	0.0
20	16QAM	1	1	18.61	18.65	18.90	20.0	0.0
20	256QAM	1	1	18.59	18.63	18.61	20.0	0.0
Channel								
Frequency (MHz)				16800	16750	16950		
15	QPSK	1	1	18.43	18.45	18.51	20.0	0.0
Channel								
Frequency (MHz)				16900	16750	16950		
10	QPSK	1	1	18.41	18.48	18.45	20.0	0.0
Channel								
Frequency (MHz)				16800	16750	16950		
5	QPSK	1	1	18.47	18.50	18.51	20.0	0.0

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				141900	141800	141700		
15	PV2 BPSK	1	1	21.59	21.51	21.52		
15	PV2 BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PV2 BPSK	1	77	21.43	21.55	21.45		
15	PV2 BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PV2 BPSK	36	22	21.27	21.37	21.38	23.0	0.0
15	PV2 BPSK	36	48	21.33	21.47	21.48	23.0	0.0
15	PV2 BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.48	21.45		
15	QPSK	1	40	21.34	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43		
15	QPSK	36	0	21.33	21.45	21.32	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	48	21.43	21.51	21.49	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.48	23.0	0.0
15	16QAM	1	1	21.30	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.48	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel								
Frequency (MHz)				142000	142000	142000		
10	QPSK	1	1	21.37	21.45	21.47	23.0	0.0
Channel								
Frequency (MHz)				142000	141800	142200		
5	QPSK	1	1	21.49	21.51	21.45	23.0	0.0

n12_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				141900	141800	141700		
15	PV2 BPSK	1	1	19.58	19.51	19.52		
15	PV2 BPSK	1	40	19.47	19.55	19.55	21.0	0.0
15	PV2 BPSK	1	77	19.43	19.55	19.45		
15	PV2 BPSK	36	0	19.48	19.44	19.58	21.0	0.0
15	PV2 BPSK	36	22	19.27	19.37	19.38	21.0	0.0
15	PV2 BPSK	36	48	19.33	19.47	19.48	21.0	0.0
15	PV2 BPSK	75	0	19.53	19.53	19.45	21.0	0.0
15	QPSK	1	1	19.41	19.48	19.45		
15	QPSK	1	40	19.34	19.43	19.45	21.0	0.0
15	QPSK	1	77	19.52	19.54	19.43		
15	QPSK	36	0	19.33	19.45	19.32	21.0	0.0
15	QPSK	36	22	19.44	19.51	19.51	21.0	0.0
15	QPSK	36	48	19.43	19.51	19.49	21.0	0.0
15	QPSK	75	0	19.45	19.47	19.48	21.0	0.0
15	16QAM	1	1	19.30	19.42	19.40	21.0	0.0
15	16QAM	1	1	19.44	19.48	19.49	21.0	0.0
15	256QAM	1	1	19.29	19.43	19.31	21.0	0.0
Channel								
Frequency (MHz)				142000	142000	142000		
10	QPSK	1	1	19.37	19.45	19.47	21.0	0.0
Channel								
Frequency (MHz)				142000	141800	142200		
5	QPSK	1	1	19.48	19.51	19.45	21.0	0.0



n25_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit [dBm]	MPR [dB]
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				374000	376000	378000		
Frequency [MHz]				18.13	18.27	18.41		
40	PV2 BPSK	1	1	18.43	18.52	18.61	20.0	0.0
40	PV2 BPSK	1	108	18.41	18.43	18.46	20.0	0.0
40	PV2 BPSK	1	214	18.46	18.48	18.49	20.0	0.0
40	PV2 BPSK	108	0	18.36	18.53	18.47	20.0	0.0
40	PV2 BPSK	108	54	18.52	18.34	18.29	20.0	0.0
40	PV2 BPSK	108	108	18.36	18.30	18.27	20.0	0.0
40	PV2 BPSK	216	0	18.38	18.45	18.47	20.0	0.0
40	QPSK	1	1	18.44	18.53	18.47	20.0	0.0
40	QPSK	1	108	18.34	18.31	18.41	20.0	0.0
40	QPSK	1	214	18.14	18.81	18.38	20.0	0.0
40	QPSK	108	0	18.27	18.27	18.27	20.0	0.0
40	QPSK	108	54	18.50	18.47	18.48	20.0	0.0
40	QPSK	108	108	18.28	18.46	18.46	20.0	0.0
40	QPSK	216	0	18.46	18.55	18.54	20.0	0.0
40	16QAM	1	1	18.33	18.31	18.38	20.0	0.0
40	16QAM	1	1	18.27	18.30	18.43	20.0	0.0
40	256QAM	1	1	18.65	18.67	18.69	18.5	1.5
Channel				375000	375500	376000		
Frequency [MHz]				18.65	18.62	18.60		
30	QPSK	1	1	18.80	18.47	18.50	20.0	0.0
Channel				375500	376200	376900		
Frequency [MHz]				18.62	18.62	18.62		
20	QPSK	1	1	18.30	18.47	18.46	20.0	0.0
Channel				376000	376500	377000		
Frequency [MHz]				18.50	18.45	18.50		
20	QPSK	1	1	18.30	18.45	18.53	20.0	0.0
Channel				376500	376800	377000		
Frequency [MHz]				18.57	18.47	18.45		
16	QPSK	1	1	18.37	18.47	18.45	20.0	0.0
Channel				376800	376800	376800		
Frequency [MHz]				18.55	18.52	18.47		
16	QPSK	1	1	18.33	18.52	18.47	20.0	0.0
Channel				376800	376800	376800		
Frequency [MHz]				18.52	18.52	18.52		
3	QPSK	1	1	18.37	18.54	18.50	20.0	0.0

n30_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit [dBm]	MPR [dB]
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				462000	462000	462000		
Frequency [MHz]				23.10	23.10	23.10		
10	PV2 BPSK	1	1	13.62	13.62	13.62	15.0	0.0
10	PV2 BPSK	1	26	13.78	13.78	13.78	15.0	0.0
10	PV2 BPSK	1	50	13.73	13.73	13.73	15.0	0.0
10	PV2 BPSK	25	0	13.69	13.69	13.69	15.0	0.0
10	PV2 BPSK	25	14	13.72	13.72	13.72	15.0	0.0
10	PV2 BPSK	25	27	13.67	13.67	13.67	15.0	0.0
10	PV2 BPSK	50	0	13.85	13.85	13.85	15.0	0.0
10	QPSK	1	1	14.03	14.03	14.03	15.0	0.0
10	QPSK	1	26	13.75	13.75	13.75	15.0	0.0
10	QPSK	1	50	13.83	13.83	13.83	15.0	0.0
10	QPSK	25	0	13.68	13.68	13.68	15.0	0.0
10	QPSK	25	14	13.69	13.69	13.69	15.0	0.0
10	QPSK	25	27	13.80	13.80	13.80	15.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	15.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	15.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	15.0	0.0
10	256QAM	1	1	13.98	13.98	13.98	15.0	0.0
Channel				462000	462000	462000		
Frequency [MHz]				23.07	23.10	23.12		
5	QPSK	1	1	13.88	13.72	13.82	15.0	0.0

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit [dBm]	MPR [dB]
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel				462000	462000	462000		
Frequency [MHz]				23.10	23.10	23.10		
10	PV2 BPSK	1	1	13.88	13.88	13.88	13.0	0.0
10	PV2 BPSK	1	26	13.78	13.78	13.78	13.0	0.0
10	PV2 BPSK	1	50	13.73	13.73	13.73	13.0	0.0
10	PV2 BPSK	25	0	13.69	13.69	13.69	13.0	0.0
10	PV2 BPSK	25	14	13.72	13.72	13.72	13.0	0.0
10	PV2 BPSK	25	27	13.67	13.67	13.67	13.0	0.0
10	PV2 BPSK	50	0	13.85	13.85	13.85	13.0	0.0
10	QPSK	1	1	14.03	14.03	14.03	13.0	0.0
10	QPSK	1	26	13.75	13.75	13.75	13.0	0.0
10	QPSK	1	50	13.83	13.83	13.83	13.0	0.0
10	QPSK	25	0	13.68	13.68	13.68	13.0	0.0
10	QPSK	25	14	13.69	13.69	13.69	13.0	0.0
10	QPSK	25	27	13.80	13.80	13.80	13.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	13.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	13.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	13.0	0.0
10	256QAM	1	1	13.98	13.98	13.98	13.0	0.0
Channel				462000	462000	462000		
Frequency [MHz]				23.07	23.10	23.12		
5	QPSK	1	1	13.88	13.75	13.82	13.0	0.0



n30_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PV2 BPSK	1	1	23.91				
10	PV2 BPSK	1	26	15.76			17.5	0.0
10	PV2 BPSK	1	50	15.86				
10	PV2 BPSK	25	0	15.84			17.5	0.0
10	PV2 BPSK	25	14	15.71			17.5	0.0
10	PV2 BPSK	25	27	15.79			17.5	0.0
10	PV2 BPSK	50	0	15.81			17.5	0.0
10	QPSK	1	1	15.89				
10	QPSK	1	26	15.73			17.5	0.0
10	QPSK	1	50	15.82				
10	QPSK	25	0	15.72			17.5	0.0
10	QPSK	25	14	15.80			17.5	0.0
10	QPSK	25	27	15.78			17.5	0.0
10	QPSK	50	0	15.78			17.5	0.0
10	HQAM	1	1	15.76			17.5	0.0
10	HQAM	1	1	15.81			17.5	0.0
10	256QAM	1	1	14.13			17.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.87.5	23.93	23.92.5	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	1	15.74	15.72	15.67	17.5	0.0

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	17.00	17.00	17.00		
40	PV2 BPSK	1	1	17.22	17.17	17.20		
40	PV2 BPSK	1	166	21.34	21.45	21.43	22.0	0.0
40	PV2 BPSK	1	244	21.40	21.31	21.45		
40	PV2 BPSK	168	0	21.59	21.42	21.52	22.0	0.0
40	PV2 BPSK	168	54	21.53	21.38	21.27	22.0	0.0
40	PV2 BPSK	168	168	21.31	21.44	21.38	22.0	0.0
40	PV2 BPSK	216	0	21.48	21.45	21.44		
40	QPSK	1	1	21.23	21.45	21.51		
40	QPSK	1	168	21.25	21.59	21.27	22.0	0.0
40	QPSK	1	214	21.42	21.43	21.50		
40	QPSK	168	0	21.27	21.46	21.38	22.0	0.0
40	QPSK	168	54	21.41	21.47	21.46	22.0	0.0
40	QPSK	168	168	21.40	21.45	21.44	22.0	0.0
40	QPSK	216	0	21.44	21.54	21.55		
40	HQAM	1	1	21.22	21.36	21.35	22.0	0.0
40	HQAM	1	1	21.40	21.40	21.31	22.0	0.0
40	256QAM	1	1	19.73	19.79	19.88	20.5	1.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.05	17.05	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.58	21.55	21.44	22.0	0.0
30	QPSK	1	1	17.23	17.20	17.20	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.23.5	17.15	17.15.5	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
34000	QPSK	1	1	17.00	17.00	17.00	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.32	21.54	21.43	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.59	21.48	21.43	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0
Channel								
Frequency (MHz)								
1	QPSK	1	1	17.02.5	17.05	17.02.5	Turn-up limit (dBm)	MPR (dB)
1	QPSK	1	1	21.38	21.43	21.46	22.0	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	17.00	17.00	17.00		
40	PV2 BPSK	1	1	17.22	17.17	17.20		
40	PV2 BPSK	1	166	21.43	21.41	21.48	15.0	0.0
40	PV2 BPSK	1	214	21.51	21.54	21.50		
40	PV2 BPSK	168	0	21.54	21.54	21.62	15.0	0.0
40	PV2 BPSK	168	54	21.41	21.52	21.34	15.0	0.0
40	PV2 BPSK	168	168	21.38	21.35	21.48	15.0	0.0
40	PV2 BPSK	216	0	21.51	21.55	21.59		
40	QPSK	1	1	14.61	14.70	14.50		
40	QPSK	1	166	14.35	14.47	14.39	15.0	0.0
40	QPSK	1	214	14.50	14.58	14.55		
40	QPSK	168	0	14.34	14.50	14.42	15.0	0.0
40	QPSK	168	54	14.48	14.80	14.59	15.0	0.0
40	QPSK	168	168	14.41	14.51	14.56	15.0	0.0
40	QPSK	216	0	14.52	14.88	14.46	15.0	0.0
40	HQAM	1	1	14.27	14.50	14.50	15.0	0.0
40	HQAM	1	1	14.55	14.45	14.35	15.0	0.0
40	256QAM	1	1	14.17	14.38	14.20	15.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.05	17.05	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.30	14.45	14.34	15.0	0.0
30	QPSK	1	1	17.23	17.15	17.15	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.23.5	17.15	17.15.5	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
34000	QPSK	1	1	17.00	17.00	17.00	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.34	21.42	21.41	15.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.57	21.46	21.43	15.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.30	21.40	21.36	15.0	0.0
Channel								
Frequency (MHz)								
1	QPSK	1	1	17.02.5	17.05	17.02.5	Turn-up limit (dBm)	MPR (dB)
1	QPSK	1	1	14.31	14.43	14.34	15.0	0.0





n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidCh. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	345000	345000		
Frequency (MHz)				1710	1745	1770		
40	PVC BPSK	1	1	19.58	19.58	19.58		
40	PVC BPSK	1	168	19.81	19.92	19.88	21.5	0.0
40	PVC BPSK	1	244	19.91	19.98	19.95		
40	PVC BPSK	168	0	19.87	19.88	19.79	21.5	0.0
40	PVC BPSK	168	54	19.74	19.88	19.79	21.5	0.0
40	PVC BPSK	168	168	19.79	19.88	19.84	21.5	0.0
40	PVC BPSK	216	0	19.88	19.85	19.90		
40	QPSK	1	1	19.89	19.95	19.84		
40	QPSK	1	168	19.76	19.88	19.73	21.5	0.0
40	QPSK	1	214	19.81	19.82	19.83		
40	QPSK	168	0	19.72	19.79	19.81	21.5	0.0
40	QPSK	168	54	19.87	19.95	19.84	21.5	0.0
40	QPSK	168	168	19.89	19.91	19.83	21.5	0.0
40	QPSK	216	0	19.89	19.89	19.89		
40	BQAM	1	1	19.74	19.84	19.88	21.5	0.0
40	BQAM	1	1	19.84	19.90	19.88	21.5	0.0
40	25QAM	1	1	18.20	18.28	18.11	20.0	1.5
Channel				350000	350000	350000		
Frequency (MHz)				1745	1745	1745		
50	QPSK	1	1	19.87	19.87	19.88	21.5	0.0
Channel				345000	345000	345000		
Frequency (MHz)				1722.5	1745	1737.5		
35	QPSK	1	1	19.79	19.85	19.85	21.5	0.0
Channel				344000	345000	346000		
Frequency (MHz)				1710	1745	1770		
50	QPSK	1	1	19.84	19.85	19.88	21.5	0.0
Channel				343500	345000	345500		
Frequency (MHz)				1722.5	1745	1727.5		
15	QPSK	1	1	19.94	19.98	19.98	21.5	0.0
Channel				343000	345000	345000		
Frequency (MHz)				1745	1745	1745		
10	QPSK	1	1	19.99	20.01	19.98	21.5	0.0
Channel				342000	345000	345000		
Frequency (MHz)				1712.5	1745	1777.5		
1	QPSK	1	1	19.94	19.98	19.93	21.5	0.0



n41\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)
	Channel			505002	518598	528000		
	Frequency (MHz)			2545.01	2592.99	2640.98		
100	Pl2 BPSK	1	1	20.49	20.84	20.62		
100	Pl2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	Pl2 BPSK	1	271	20.37	20.47	20.49	22.0	0.0
100	Pl2 BPSK	135	0	20.38	20.38	20.40	22.0	0.0
100	Pl2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	Pl2 BPSK	135	138	20.35	20.59	20.52	22.0	0.0
100	Pl2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.56	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.52	20.62	20.52	22.0	0.0
100	QPSK	135	0	20.28	20.52	20.36	22.0	0.0
100	QPSK	135	69	20.38	20.53	20.46	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.46	22.0	0.0
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	16QAM	1	1	20.55	20.56	20.54	22.0	0.0
100	64QAM	1	1	20.44	20.59	20.50	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
	Channel			505000	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2541	2592.99	2644.98		
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
	Channel			507204	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2538.02	2592.99	2649.99		
80	QPSK	1	1	20.42	20.56	20.49	22.0	0.0
	Channel			508002	518596	531000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2531.01	2592.99	2655.99		
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
	Channel			508000	518596	531996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2530	2592.99	2659.98		
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
	Channel			508204	518596	532096	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2525.02	2592.99	2654.99		
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
	Channel			508202	518596	534000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2518.01	2592.99	2650.99		
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
	Channel			502200	518596	534996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2511	2592.99	2654.98		
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
	Channel			501700	518596	535500	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2504.5	2592.99	2657.5		
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
	Channel			501204	518596	535996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2506.02	2592.99	2659.99		
20	QPSK	1	1	20.49	20.60	20.59	22.0	0.0
	Channel			500700	518596	536496	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2503.5	2592.99	2652.5		
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
	Channel			500202	518596	537000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2501.01	2592.99	2648.99		
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0

n41\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)
	Channel			505002	518598	528000		
	Frequency (MHz)			2545.01	2592.99	2640.98		
100	Pl2 BPSK	1	1	13.05	13.26	13.21	14.5	0.0
100	Pl2 BPSK	1	137	13.08	13.20	12.96		
100	Pl2 BPSK	1	271	13.02	13.10	13.05		
100	Pl2 BPSK	135	0	12.88	13.22	12.96	14.5	0.0
100	Pl2 BPSK	135	69	12.89	13.06	13.03	14.5	0.0
100	Pl2 BPSK	135	138	12.91	13.19	13.11	14.5	0.0
100	Pl2 BPSK	270	0	13.07	13.15	13.12		
100	QPSK	1	1	13.23	13.33	13.26		
100	QPSK	1	137	13.10	13.11	12.87	14.5	0.0
100	QPSK	1	271	13.14	13.20	13.15		
100	QPSK	135	0	12.83	13.15	12.99	14.5	0.0
100	QPSK	135	69	13.02	13.24	13.12		
100	QPSK	135	138	12.97	13.14	13.10		
100	QPSK	270	0	12.86	12.84	12.70	14.5	0.0
100	16QAM	1	1	13.18	13.17	13.18	14.5	0.0
100	64QAM	1	1	12.98	13.19	13.15	14.5	0.0
100	256QAM	1	1	12.98	13.07	13.04	14.5	0.0
	Channel			505000	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2541	2592.99	2644.98		
90	QPSK	1	1	12.90	13.19	13.03	14.5	0.0
	Channel			507204	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2538.02	2592.99	2649.99		
80	QPSK	1	1	12.89	13.14	13.04	14.5	0.0
	Channel			508002	518596	531000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2531.01	2592.99	2655.99		
70	QPSK	1	1	12.91	13.19	13.06	14.5	0.0
	Channel			508000	518596	531996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2530	2592.99	2659.98		
60	QPSK	1	1	12.95	13.19	13.05	14.5	0.0
	Channel			508204	518596	532096	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2525.02	2592.99	2654.99		
50	QPSK	1	1	12.91	13.14	13.04	14.5	0.0
	Channel			508202	518596	534000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2518.01	2592.99	2650.99		
40	QPSK	1	1	12.99	13.14	13.04	14.5	0.0
	Channel			502200	518596	534996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2511	2592.99	2654.98		
30	QPSK	1	1	12.94	13.11	13.11	14.5	0.0
	Channel			501700	518596	535500	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2504.5	2592.99	2657.5		
25	QPSK	1	1	12.93	13.21	13.01	14.5	0.0
	Channel			501204	518596	535996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2506.02	2592.99	2659.99		
20	QPSK	1	1	12.91	13.10	13.06	14.5	0.0
	Channel			500700	518596	536496	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2503.5	2592.99	2652.5		
15	QPSK	1	1	12.90	13.12	13.10	14.5	0.0
	Channel			500202	518596	537000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2501.01	2592.99	2648.99		
10	QPSK	1	1	12.97	13.16	13.03	14.5	0.0

n41\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)
	Channel			505002	518598	528000		
	Frequency (MHz)			2545.01	2592.99	2640.98		
100	Pl2 BPSK	1	1	20.49	20.84	20.62		
100	Pl2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	Pl2 BPSK	1	271	20.37	20.47	20.49	22.0	0.0
100	Pl2 BPSK	135	0	20.38	20.38	20.40	22.0	0.0
100	Pl2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	Pl2 BPSK	135	138	20.35	20.59	20.52	22.0	0.0
100	Pl2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.56	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.52	20.62	20.52	22.0	0.0
100	QPSK	135	0	20.28	20.52	20.36	22.0	0.0
100	QPSK	135	69	20.38	20.53	20.46	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.46	22.0	0.0
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	16QAM	1	1	20.55	20.56	20.54	22.0	0.0
100	64QAM	1	1	20.44	20.59	20.50	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
	Channel			505000	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2541	2592.99	2644.98		
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
	Channel			507204	518596	528000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2538.02	2592.99	2649.99		
80	QPSK	1	1	20.42	20.56	20.58	22.0	0.0
	Channel			508002	518596	531000	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2531.01	2592.99	2655.99		
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
	Channel			508000	518596	531996	Tune-up limit (dB)	MPR (dB)
	Frequency (MHz)			2530	2592.99	2659.98		
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0



### n41\_Ant 9

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel	506002	510598	526900					
Frequency (MHz)	2548.03	2592.99	2665					
100	PI2 BPSK	1	1	20.49	20.84	20.62		
100	PI2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	PI2 BPSK	1	274	20.37	20.47	20.49		
100	PI2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	PI2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	PI2 BPSK	135	138	20.35	20.59	20.52		
100	PI2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.58	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	274	20.62	20.62	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.48	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	8QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	8QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel	508300	510598	526996	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2541	2592.99	2644.98					
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel	507804	510598	525996	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2538.02	2592.99	2649.99					
80	QPSK	1	1	20.42	20.56	20.59	22.0	0.0
Channel	505002	510598	531000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2531.01	2592.99	2695					
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel	506200	510598	531996	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2530	2592.99	2699.98					
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
Channel	504204	510598	532096	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2521.02	2592.99	2664.99					
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel	503002	510598	534000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2516.01	2592.99	2674					
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
Channel	502200	510598	534996	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2511	2592.99	2674.98					
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel	501700	510598	535500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2508.5	2592.99	2677.5					
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel	501204	510598	535996	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2506.02	2592.99	2680.99					
20	QPSK	1	1	20.49	20.60	20.55	22.0	0.0
Channel	500700	510598	536496	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2503.5	2592.99	2682.98					
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel	500202	510598	537000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2501.01	2592.99	2686					
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0



### Par270 n77\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.24	21.07	20.98		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.99	21.05	20.84		
100	PI2 BPSK	135	0	20.85	20.92	20.95	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	PI2 BPSK	135	138	20.88	20.99	20.76		
100	PI2 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.20	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.89	21.02	21.03		
100	QPSK	135	0	20.83	20.96	20.86		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.73	20.84	20.84	22.0	0.0
100	HQAM	1	1	20.80	21.00	20.84	22.0	0.0
100	HQAM	1	1	20.79	20.92	20.79	22.0	0.0
100	SDQAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.99	20.99	20.85	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.99	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.94	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.94	21.02	20.88	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.08	20.92	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.91	21.04	20.97	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

### Par27Q n77\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.17		20.17		
100	PI2 BPSK	1	137	20.91	20.92		22.0	0.0
100	PI2 BPSK	1	271	20.72				
100	PI2 BPSK	135	0	20.43			22.0	0.0
100	PI2 BPSK	135	69	20.52			22.0	0.0
100	PI2 BPSK	135	138	20.50				
100	PI2 BPSK	270	0	20.50			22.0	0.0
100	QPSK	1	1	20.76				
100	QPSK	1	137	20.44			22.0	0.0
100	QPSK	1	271	20.74				
100	QPSK	135	0	20.57				
100	QPSK	135	69	20.58			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.41			22.0	0.0
100	HQAM	1	1	20.44			22.0	0.0
100	HQAM	1	1	20.68			22.0	0.0
100	SDQAM	1	1	20.36			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.40	20.61	20.37	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.44	20.64	20.46	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.46	20.66	20.40	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.61	20.43	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.45	20.69	20.39	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0

### Par270 n77\_Ant 9

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.04	21.07	20.92		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.99	21.05	20.84		
100	PI2 BPSK	135	0	20.85	20.92	20.95	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	PI2 BPSK	135	138	20.88	20.99	20.76		
100	PI2 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.20	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.83	21.02	21.03		
100	QPSK	135	0	20.82	20.96	20.86		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.73	20.84	20.84	22.0	0.0
100	HQAM	1	1	20.80	21.00	20.84	22.0	0.0
100	HQAM	1	1	20.79	20.92	20.79	22.0	0.0
100	SDQAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.99	20.99	20.85	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.99	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.94	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.94	21.02	20.88	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.08	20.92	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.91	21.04	20.97	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0



### Par27Q n77\_Ant 9

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
63332								
3499.98								
100	Pi2 BPSK	1	1	20.72				
100	Pi2 BPSK	1	137	20.52				
100	Pi2 BPSK	1	271	20.72			22.0	0.0
100	Pi2 BPSK	135	0	20.43			22.0	0.0
100	Pi2 BPSK	135	69	20.52			22.0	0.0
100	Pi2 BPSK	135	138	20.61				
100	Pi2 BPSK	270	0	20.60			22.0	0.0
100	QPSK	1	1	20.70				
100	QPSK	1	137	20.44			22.0	0.0
100	QPSK	1	271					
100	QPSK	135	0	20.37			22.0	0.0
100	QPSK	135	69	20.55			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.41			22.0	0.0
100	16QAM	1	1	20.44			22.0	0.0
100	16QAM	1	1	20.88			22.0	0.0
100	256QAM	1	1	20.36			22.0	0.0
Channel								
63900								
63332								
63966								
Tune-up limit (dBm)								
MPR								
3499.98								
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
63268								
63332								
63400								
Tune-up limit (dBm)								
MPR								
3499.98								
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
63234								
63332								
63432								
Tune-up limit (dBm)								
MPR								
3499.98								
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
63000								
63332								
63666								
Tune-up limit (dBm)								
MPR								
3499.98								
60	QPSK	1	1	20.40	20.61	20.37	22.0	0.0
Channel								
63166								
63332								
63500								
Tune-up limit (dBm)								
MPR								
3499.98								
50	QPSK	1	1	20.44	20.64	20.40	22.0	0.0
Channel								
63132								
63332								
63532								
Tune-up limit (dBm)								
MPR								
3499.98								
40	QPSK	1	1	20.40	20.60	20.43	22.0	0.0
Channel								
63100								
63332								
63566								
Tune-up limit (dBm)								
MPR								
3499.98								
30	QPSK	1	1	20.47	20.61	20.43	22.0	0.0
Channel								
63068								
63332								
63592								
Tune-up limit (dBm)								
MPR								
3499.98								
25	QPSK	1	1	20.45	20.60	20.35	22.0	0.0
Channel								
63036								
63332								
63600								
Tune-up limit (dBm)								
MPR								
3499.98								
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
63000								
63332								
63616								
Tune-up limit (dBm)								
MPR								
3499.98								
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
62934								
63332								
63632								
Tune-up limit (dBm)								
MPR								
3499.98								
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0

### Par27Q n77\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
65000								
3499.98								
100	Pi2 BPSK	1	1	17.43	17.43	17.21		
100	Pi2 BPSK	1	137	17.06	17.06	16.90	18.0	0.0
100	Pi2 BPSK	1	271	17.05	17.14	16.98		
100	Pi2 BPSK	135	0	16.99	17.02	17.08	18.0	0.0
100	Pi2 BPSK	135	69	17.00	17.08	17.04	18.0	0.0
100	Pi2 BPSK	135	138	16.94	17.03	16.99		
100	Pi2 BPSK	270	0	16.95	16.95	16.94	18.0	0.0
100	QPSK	1	1	17.05	17.05	17.05		
100	QPSK	1	137	16.98	16.95	17.08	18.0	0.0
100	QPSK	1	271	17.07	17.18	17.11		
100	QPSK	135	0	16.87	17.06	16.92		
100	QPSK	135	69	17.00	17.08	17.03	18.0	0.0
100	QPSK	135	138	16.84	17.03	16.89		
100	QPSK	270	0	16.77	16.98	17.04	18.0	0.0
100	16QAM	1	1	17.00	17.12	16.99	18.0	0.0
100	16QAM	1	1	16.84	17.04	16.92	18.0	0.0
100	256QAM	1	1	16.99	17.04	16.87	18.0	0.0
Channel								
64968								
65000								
64932								
Tune-up limit (dBm)								
MPR								
3499.98								
90	QPSK	1	1	17.00	17.08	16.98	18.0	0.0
Channel								
64934								
65000								
64966								
Tune-up limit (dBm)								
MPR								
3499.98								
80	QPSK	1	1	17.02	17.11	16.91	18.0	0.0
Channel								
64900								
65000								
64930								
Tune-up limit (dBm)								
MPR								
3499.98								
70	QPSK	1	1	17.05	17.08	16.91	18.0	0.0
Channel								
64868								
65000								
64892								
Tune-up limit (dBm)								
MPR								
3499.98								
60	QPSK	1	1	17.02	17.05	16.95	18.0	0.0
Channel								
64834								
65000								
64866								
Tune-up limit (dBm)								
MPR								
3499.98								
50	QPSK	1	1	17.01	17.01	16.87	18.0	0.0
Channel								
64800								
65000								
64830								
Tune-up limit (dBm)								
MPR								
3499.98								
40	QPSK	1	1	17.01	17.03	16.91	18.0	0.0
Channel								
64768								
65000								
64792								
Tune-up limit (dBm)								
MPR								
3499.98								
30	QPSK	1	1	17.02	17.03	16.97	18.0	0.0
Channel								
64734								
65000								
64766								
Tune-up limit (dBm)								
MPR								
3499.98								
25	QPSK	1	1	17.05	17.04	16.95	18.0	0.0
Channel								
64700								
65000								
64732								
Tune-up limit (dBm)								
MPR								
3499.98								
20	QPSK	1	1	17.03	17.10	16.86	18.0	0.0
Channel								
64668								
65000								
64702								
Tune-up limit (dBm)								
MPR								
3499.98								
15	QPSK	1	1	17.02	17.10	16.90	18.0	0.0
Channel								
64634								
65000								
64666								
Tune-up limit (dBm)								
MPR								
3499.98								
10	QPSK	1	1	17.04	17.05	16.97	18.0	0.0

### Par27Q n77\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
63332								
3499.98								
100	Pi2 BPSK	1	1	16.21				
100	Pi2 BPSK	1	137	16.65			18.0	0.0
100	Pi2 BPSK	1	271	16.79				
100	Pi2 BPSK	135	0	16.54			18.0	0.0
100	Pi2 BPSK	135	69	16.59			18.0	0.0
100	Pi2 BPSK	135	138	16.74				
100	Pi2 BPSK	270	0	16.73			18.0	0.0
100	QPSK	1	1	16.63				
100	QPSK	1	137	16.59			18.0	0.0
100	QPSK	1	271	16.78				
100	QPSK	135	0	16.64				
100	QPSK	135	69	16.69			18.0	0.0
100	QPSK	135	138	16.58				
100	QPSK	270	0	16.64			18.0	0.0
100	16QAM	1	1	16.53			18.0	0.0
100	16QAM	1	1	16.81			18.0	0.0
100	256QAM	1	1	16.51			18.0	0.0
Channel								
63300								
63332								
63366								
Tune-up limit (dBm)								
MPR								
3499.98								
90	QPSK	1	1	16.73	16.79	16.80	18.0	0.0
Channel								
63268								
63332								
63400								
Tune-up limit (dBm)								
MPR								
3499.98								
80	QPSK	1	1	16.62	16.79	16.82	18.0	0.0
Channel								
63234								
63332								
63432								
Tune-up limit (dBm)								
MPR								
3499.98								
70	QPSK	1	1	16.62	16.71	16.78	18.0	0.0
Channel								
63200								
63332								
63466								
Tune-up limit (dBm)								
MPR								
3499.98								
60	QPSK	1	1	16.73	16.74	16.76	11.0	0.0
Channel								
63166								
63332								
63500								
Tune-up limit (dBm)								
MPR								
3499.98								
50	QPSK	1	1	16.87	16.73	16.77	18.0	0.0
Channel								
63132								
63332								
63532								
Tune-up limit (dBm)								
MPR								
3499.98								
40	QPSK	1	1	16.73	16.77	16.72	18.0	0.0
Channel								
63100								
63332								
63566								
Tune-up limit (dBm)								
MPR								
3499.98								
30	QPSK	1	1	16.74	16.71	16.51	18.0	0.0
Channel								
63068								
63332								
63592								
Tune-up limit (dBm)								
MPR								
3499.98								
25	QPSK	1	1	16.74	16.60	16.59	18.0	0.0
Channel								
63034								
63332								
63622								
Tune-up limit (dBm)								
MPR								
3499.98								
20	QPSK	1	1	16.68	16.73	16.64	18.0	0.0
Channel								
63000								
63332								
63646								
Tune-up limit (dBm)								
MPR								
3499.98								
15	QPSK	1	1	16.69	16.74	16.66	18.0	0.0
Channel								
62966								
63332								
63670								
Tune-up limit (dBm)								
MPR								
3499.98								
10	QPSK	1	1	16.65	16.79	16.56	18.0	0.0



### Par270 n77\_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3700	3700		
100	PI2 BPSK	1	1	21.04	21.07	21.06		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.89	21.05	20.84		
100	PI2 BPSK	135	0	20.85	20.92	20.95	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	PI2 BPSK	135	138	20.85	20.99	20.76		
100	PI2 BPSK	270	0	20.81	20.88	20.82		
100	QPSK	1	1	20.95	21.00	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.83	21.02	21.03		
100	QPSK	135	0	20.83	20.96	20.98		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.79	20.94	20.91	22.0	0.0
100	16QAM	1	1	20.89	21.00	20.84	22.0	0.0
100	64QAM	1	1	20.79	20.92	20.79	22.0	0.0
100	256QAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel								
Frequency (MHz)				649668	659000	660332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.59	20.59	20.85	22.0	0.0
Channel								
Frequency (MHz)				649734	659000	660666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.80	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)				649900	659000	660000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)				3730.02	3640	3649.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)				3725.01	3600	3694.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.86	21.02	20.88	22.0	0.0
Channel								
Frequency (MHz)				649000	659000	660000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.94	21.08	21.02	22.0	0.0
Channel								
Frequency (MHz)				647068	659000	660332	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	21.00	20.97	22.0	0.0
Channel								
Frequency (MHz)				647900	659000	660800	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)				647334	659000	660666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)				647188	659000	660000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)				3700	3640	3690	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

### Par27Q n77\_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				630000	630000	630000		
100	PI2 BPSK	1	1	20.72				
100	PI2 BPSK	1	137	20.52			22.0	0.0
100	PI2 BPSK	1	271	20.72				
100	PI2 BPSK	135	0	20.43			22.0	0.0
100	PI2 BPSK	135	69	20.52			22.0	0.0
100	PI2 BPSK	135	138	20.52				
100	PI2 BPSK	270	0	20.50				
100	QPSK	1	1	20.76				
100	QPSK	1	137	20.44			22.0	0.0
100	QPSK	1	271	20.74				
100	QPSK	135	0	20.57				
100	QPSK	135	69	20.58			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.41			22.0	0.0
100	16QAM	1	1	20.44			22.0	0.0
100	64QAM	1	1	20.68			22.0	0.0
100	256QAM	1	1	20.35			22.0	0.0
Channel								
Frequency (MHz)				630000	630000	630000	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
Frequency (MHz)				630668	630000	630000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
Frequency (MHz)				630334	630000	630332	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
Frequency (MHz)				3400	3400	3400	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.45	20.51	20.37	22.0	0.0
Channel								
Frequency (MHz)				3476.02	3400	3500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.44	20.44	20.48	22.0	0.0
Channel								
Frequency (MHz)				630332	630000	630000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.46	20.50	20.40	22.0	0.0
Channel								
Frequency (MHz)				630000	630000	630666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.47	20.61	20.43	22.0	0.0
Channel								
Frequency (MHz)				630634	630000	630632	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.45	20.69	20.39	22.0	0.0
Channel								
Frequency (MHz)				630668	630000	630000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
Frequency (MHz)				630000	630000	630666	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
Frequency (MHz)				3405.01	3400	3504.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0



Inter\_CA Mode\_State 10&9

Band 2\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 15, 10, 5 MHz).

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 15, 10, 5 MHz).

Band 2\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 15, 10, 5 MHz).



### Band 4 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (s)	MFR (dB)
Channel								
Frequency (MHz)	Channel			20050	20175	20300	limit	MFR (dB)
20	QPSK	1	0	20.39	20.48	20.34		
20	QPSK	1	49	20.40	20.49	20.39	22	0
20	QPSK	1	99	20.39	20.48	20.34		
20	QPSK	50	0	19.52	19.40	19.47		
20	QPSK	50	24	19.53	19.59	19.48	21	1
20	QPSK	50	50	19.56	19.61	19.41		
20	QPSK	100	0	19.49	19.52	19.48		
20	16QAM	1	0	19.75	19.75	19.63		
20	16QAM	1	49	19.82	19.78	19.74	21	1
20	16QAM	1	99	19.55	19.59	19.41		
20	16QAM	50	0	18.51	18.45	18.46		
20	16QAM	50	24	18.46	18.60	18.48	20	2
20	16QAM	50	50	18.51	18.43	18.43		
20	16QAM	100	0	18.39	18.48	18.34		
20	16QAM	100	49	18.63	18.67	18.67	20	2
20	16QAM	100	99	18.47	18.60	18.23		
20	64QAM	1	0	17.44	17.49	17.32		
20	64QAM	1	49	17.38	17.47	17.45	19	3
20	64QAM	1	99	17.37	17.42	17.37		
20	64QAM	50	0	17.48	17.53	17.36		
20	64QAM	50	24	17.53	17.53	17.38	17	5
20	64QAM	50	50	17.48	17.53	17.36		
20	256QAM	1	0	15.45	15.56	15.62		
20	256QAM	1	49	15.52	15.53	15.58	17	5
20	256QAM	1	99	15.52	15.53	15.58		
20	256QAM	50	0	15.45	15.52	15.52		
20	256QAM	50	24	15.50	15.57	15.51	17	5
20	256QAM	50	50	15.44	15.44	15.39		
20	256QAM	100	0	15.40	15.52	15.38		

### Band 4 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (s)	MFR (dB)
Channel								
Frequency (MHz)	Channel			20050	20175	20300	limit	MFR (dB)
20	QPSK	1	0	20.39	20.48	20.34		
20	QPSK	1	49	20.40	20.49	20.39	22	0
20	QPSK	1	99	20.39	20.34	20.14		
20	QPSK	50	0	19.52	19.40	19.47		
20	QPSK	50	24	19.53	19.59	19.48	21	1
20	QPSK	50	50	19.56	19.46	19.41		
20	QPSK	100	0	19.49	19.52	19.48		
20	16QAM	1	0	19.75	19.75	19.63		
20	16QAM	1	49	19.78	19.74	19.74	21	1
20	16QAM	1	99	19.55	19.59	19.41		
20	16QAM	50	0	18.51	18.45	18.46		
20	16QAM	50	24	18.46	18.60	18.48	20	2
20	16QAM	50	50	18.51	18.43	18.43		
20	16QAM	100	0	18.39	18.48	18.34		
20	16QAM	100	49	18.63	18.67	18.67	20	2
20	16QAM	100	99	18.47	18.60	18.23		
20	64QAM	1	0	17.44	17.49	17.32		
20	64QAM	1	49	17.38	17.47	17.45	19	3
20	64QAM	1	99	17.37	17.42	17.37		
20	64QAM	50	0	17.48	17.53	17.36		
20	64QAM	50	24	17.53	17.53	17.38	17	5
20	64QAM	50	50	17.48	17.53	17.36		
20	256QAM	1	0	15.45	15.56	15.62		
20	256QAM	1	49	15.52	15.53	15.58	17	5
20	256QAM	1	99	15.52	15.53	15.58		
20	256QAM	50	0	15.45	15.52	15.52		
20	256QAM	50	24	15.50	15.57	15.51	17	5
20	256QAM	50	50	15.44	15.44	15.39		
20	256QAM	100	0	15.40	15.52	15.38		

### Band 4 Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (s)	MFR (dB)
Channel								
Frequency (MHz)	Channel			20050	20175	20300	limit	MFR (dB)
20	QPSK	1	0	20.15	20.10	20.11		
20	QPSK	1	49	20.23	20.28	20.17	21.5	0
20	QPSK	1	99	20.14	20.14	19.98		
20	QPSK	50	0	19.20	19.20	19.21		
20	QPSK	50	24	19.25	19.27	19.23	20.5	1
20	QPSK	50	50	19.33	19.32	19.36		
20	QPSK	100	0	19.23	19.24	19.15		
20	16QAM	1	0	19.48	19.53	19.55		
20	16QAM	1	49	19.53	19.51	19.51	20.5	1
20	16QAM	1	99	19.44	19.39	19.22		
20	16QAM	50	0	18.36	18.23	18.24		
20	16QAM	50	24	18.28	18.28	18.28	19.2	2
20	16QAM	50	50	18.27	18.31	18.21		
20	16QAM	100	0	18.29	18.29	18.31		
20	16QAM	100	49	18.52	18.52	18.51	19.5	2
20	16QAM	100	99	18.43	18.50	18.44		
20	64QAM	1	0	17.37	17.25	17.25		
20	64QAM	1	49	17.32	17.38	17.36	18.5	3
20	64QAM	1	99	17.35	17.36	17.26		
20	64QAM	50	0	17.47	17.26	17.26		
20	64QAM	50	24	17.31	17.28	17.31	17.5	3
20	64QAM	50	50	17.28	17.26	17.18		
20	256QAM	1	0	15.43	15.53	15.57		
20	256QAM	1	49	15.58	15.53	15.51	16.5	5
20	256QAM	1	99	15.21	15.36	15.23		
20	256QAM	50	0	15.42	15.52	15.52		
20	256QAM	50	24	15.48	15.50	15.48	16.5	5
20	256QAM	50	50	15.23	15.33	15.15		
20	256QAM	100	0	15.29	15.38	15.22		





**Band 5\_Ant 0**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel							limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	21.30	21.38	21.35	23	0		
10	QPSK	1	25	21.31	21.49	21.36				
10	QPSK	1	49	21.36	21.21	21.31				
10	QPSK	25	0	20.32	20.35	20.35	22	1		
10	QPSK	25	12	20.39	20.45	20.44				
10	QPSK	25	25	20.33	20.35	20.35				
10	QPSK	50	0	20.32	20.37	20.28	22	1		
10	16QAM	1	0	20.49	20.54	20.56				
10	16QAM	1	25	20.51	20.61	20.54				
10	16QAM	1	49	20.63	20.59	20.59	21	2		
10	16QAM	25	0	19.43	19.41	19.39				
10	16QAM	25	12	19.44	19.45	19.40				
10	16QAM	25	25	19.41	19.46	19.36	21	2		
10	16QAM	50	0	19.37	19.35	19.34				
10	16QAM	1	0	19.41	19.44	19.48				
10	64QAM	1	25	19.21	19.62	19.47	21	2		
10	64QAM	1	49	19.45	19.51	19.58				
10	64QAM	25	0	18.37	18.34	18.38				
10	64QAM	25	12	18.39	18.38	18.36	20	3		
10	64QAM	25	25	18.41	18.41	18.38				
10	64QAM	50	0	18.33	18.36	18.36				
10	256QAM	1	7	18.22	18.21	18.27	18	5		
10	256QAM	1	25	18.68	18.98	18.84				
10	256QAM	1	49	18.91	18.96	18.89				
10	256QAM	1	7	18.22	18.21	18.27	18	5		
10	256QAM	25	12	16.74	16.83	16.80				
10	256QAM	25	25	16.81	16.92	16.82				
10	256QAM	50	0	16.76	16.80	16.80				
Channel									limit (dBm)	MPR (dB)
Frequency (MHz)									204.5	204.5
5	QPSK	1	0	21.22	21.23	21.22	23	0		
5	QPSK	1	12	21.12	21.12	21.23				
5	QPSK	1	24	21.11	21.12	21.24				
5	QPSK	12	0	20.28	20.34	20.35	22	1		
5	QPSK	12	7	20.25	20.34	20.35				
5	QPSK	12	13	20.29	20.30	20.22				
5	QPSK	36	0	19.77	19.77	19.77	22	1		
5	16QAM	1	0	20.36	20.46	20.47				
5	16QAM	1	12	20.42	20.48	20.55				
5	16QAM	12	0	19.28	19.32	19.31	21	2		
5	16QAM	12	7	19.28	19.37	19.26				
5	16QAM	12	13	19.28	19.31	19.24				
5	16QAM	25	0	19.25	19.24	19.18	21	2		
5	64QAM	1	0	19.33	19.39	19.33				
5	64QAM	1	12	19.36	19.50	19.58				
5	64QAM	1	24	19.35	19.39	19.50	20	3		
5	64QAM	12	0	18.24	18.24	18.31				
5	64QAM	12	7	18.34	18.21	18.19				
5	64QAM	12	13	18.25	18.35	18.27	18	5		
5	64QAM	25	0	18.19	18.24	18.21				
5	256QAM	1	0	16.89	16.81	16.82				
5	256QAM	1	12	16.92	16.92	16.88	18	5		
5	256QAM	1	24	16.75	16.87	16.84				
5	256QAM	12	0	16.85	16.76	16.85				
5	256QAM	12	7	16.85	16.74	16.74	18	5		
5	256QAM	12	13	16.67	16.76	16.76				
5	256QAM	25	0	16.82	16.85	16.75				
Channel							limit (dBm)	MPR (dB)		
Frequency (MHz)							836.5	836.5	847.5	
3	QPSK	1	0	21.19	21.23	21.22	23	0		
3	QPSK	1	14	21.11	21.14	21.19				
3	QPSK	1	14	21.11	21.14	21.19				
3	QPSK	8	0	20.26	20.19	20.22	22	1		
3	QPSK	8	7	20.24	20.22	20.18				
3	QPSK	8	7	20.24	20.22	20.18				
3	QPSK	15	0	20.18	20.24	20.12	22	1		
3	16QAM	1	8	20.45	20.47	20.54				
3	16QAM	1	8	20.45	20.47	20.54				
3	16QAM	1	14	20.52	20.49	20.53	21	2		
3	16QAM	8	0	18.34	18.27	18.25				
3	16QAM	8	7	18.29	18.37	18.29				
3	16QAM	8	7	18.25	18.33	18.20	21	2		
3	16QAM	15	0	18.29	18.29	18.18				
3	64QAM	1	8	18.36	18.29	18.35				
3	64QAM	1	8	18.41	18.54	18.33	20	3		
3	64QAM	1	14	18.36	18.43	18.44				
3	64QAM	12	13	18.29	18.22	18.32				
3	64QAM	8	4	18.37	18.26	18.29	18	5		
3	64QAM	8	7	18.30	18.29	18.27				
3	256QAM	1	0	16.88	16.88	16.70				
3	256QAM	1	8	16.72	16.91	16.76	18	5		
3	256QAM	12	14	16.76	16.87	16.76				
3	256QAM	8	0	16.87	16.76	16.87				
3	256QAM	8	4	16.80	16.75	16.74	18	5		
3	256QAM	8	7	16.86	16.79	16.76				
3	256QAM	15	0	16.70	16.73	16.88				
Channel							limit (dBm)	MPR (dB)		
Frequency (MHz)							2040.7	2040.5	2043.3	
1.4	QPSK	1	0	21.14	21.25	21.29	23	0		
1.4	QPSK	1	3	21.12	21.33	21.22				
1.4	QPSK	1	5	21.16	21.13	21.22				
1.4	QPSK	3	0	21.22	21.22	21.28	22	1		
1.4	QPSK	3	1	21.22	21.30	21.13				
1.4	QPSK	3	3	21.12	21.07	21.18				
1.4	QPSK	6	0	20.17	20.21	20.14	22	1		
1.4	16QAM	1	0	20.39	20.42	20.44				
1.4	16QAM	1	3	20.45	20.46	20.54				
1.4	16QAM	1	5	20.68	20.44	20.52	22	1		
1.4	16QAM	3	0	20.25	20.29	20.24				
1.4	16QAM	3	1	20.33	20.34	20.37				
1.4	16QAM	3	3	20.24	20.21	20.24	21	2		
1.4	16QAM	6	0	19.21	19.29	19.27				
1.4	64QAM	1	0	19.29	19.30	19.33				
1.4	64QAM	1	3	19.38	19.48	19.42	21	2		
1.4	64QAM	1	5	19.38	19.45	19.47				
1.4	64QAM	3	0	18.36	18.35	18.33				
1.4	64QAM	3	1	18.36	18.34	18.34	20	3		
1.4	64QAM	3	3	18.26	18.34	18.29				
1.4	64QAM	6	0	18.21	18.30	18.23				
1.4	256QAM	1	0	16.63	16.61	16.71	18	5		
1.4	256QAM	1	5	16.78	16.90	16.77				
1.4	256QAM	1	5	16.82	16.82	16.73				
1.4	256QAM	3	0	16.63	16.74	16.65	18	5		
1.4	256QAM	3	1	16.65	16.71	16.71				
1.4	256QAM	3	3	16.74	16.80	16.86				
1.4	256QAM	6	0	16.84	16.82	16.73	18	5		
Channel									limit (dBm)	MPR (dB)
Frequency (MHz)									2940.5	2940.5
20	QPSK	1	0	20.65	20.61	20.65	22	0		
20	QPSK	1	49	20.61	20.68	20.66				
20	QPSK	1	99	20.73	20.65	20.64				
20	QPSK	50	0	19.75	19.84	19.85	21	1		
20	QPSK	50	24	19.79	19.99	19.96				
20	QPSK	50	49	19.77	19.98	19.94				
20	QPSK	100	0	19.58	19.58	19.58	21	1		
20	16QAM	1	0	20.07	19.96	20.12				
20	16QAM	1	49	19.93	20.05	20.10				
20	16QAM	1	99	19.95	20.20	20.12	20	2		
20	16QAM	50	0	18.79	18.81	18.81				
20	16QAM	50	24	18.86	18.87	18.90				
20	16QAM	50	49	18.85	18.96	18.90	20	2		
20	16QAM	100	0	18.86	18.87	18.90				
20	64QAM	1	0	18.89	18.96	18.84				
20	64QAM	1	49	18.96	19.07	19.05	20	2		
20	64QAM	1	99	18.92	19.20	18.99				
20	64QAM	50	0	17.75	17.76	17.79				
20	64QAM	50	24	17.81	17.85	17.87	19	3		
20	64QAM	50	49	17.82	18.00	17.87				
20	64QAM	100	0	17.82	17.86	17.88				
20	256QAM	1	0	15.83	15.87	15.91	17	5		
20	256QAM	1	49	16.04	15.98	16.04				
20	256QAM	1	99	15.96	15.92	15.99				
20	256QAM	50	0	15.87	15.86	15.86	17	5		
20	256QAM	50	24	15.85	15.86	15.81				
20	256QAM	50	49	15.84	15.87	15.84				
Channel							limit (dBm)	MPR (dB)		
Frequency (MHz)							2007.5	2007.5	2007.5	
15	QPSK	1	0	20.75	20.83	20.82	22	0		
15	QPSK	1	37	20.70	20.81	20.75				
15	QPSK	1	74	20.68	20.88	20.76				
15	QPSK	36	0	19.89	19.93	19.96	21	1		
15	QPSK	36	20	19.71	19.85	19.85				
15	QPSK	36	39	19.71	19.84	19.83				
15	QPSK	36	58	19.71	19.81	19.81	21	1		
15	16QAM	1	0	19.97	19.88	20.05				
15	16QAM	1	37	19.87	20.09	20.00				
15	16QAM	1	74	19.84	20.12	20.02	21	1		
15	16QAM	36	0	18.65	18.68	18.76				
15	16QAM	36	20	18.76	18.83	18.84				
15	16QAM	36	39	18.67	18.86	18.86	20	2		
15	16QAM	36	58	18.81	18.90	18.94				
15	64QAM	1	0	18.65	18.82	18.73				
15	64QAM	1	37	18.62	18.88	18.83	20	2		
15	64QAM	1	74	18.73	18.10	18.73				
15	64QAM	36	0	17.60	17.67	17.68				
15	64QAM	36	20	17.68	17.86	17.77	19	3		
15	64QAM	36	39	17.77	17.83	17.87				
15	64QAM	36	58	17.76	17.70	18.73				
15	256QAM	1	0	15.67	15.81	15.73	17	5		
15	256QAM	1	37	15.86	15.88	15.88				
15	256QAM	1	74	15.81	15.77	15.84				
15	256QAM	36	0	15.64	15.73	15.72	17	5		
15	256QAM	36	20	15.77	15.74	15.74				
15	256QAM	36	39	15.87	15.87	15.76				
15	256QAM	75	0	15.64	15.77	15.76				
Channel									limit (dBm)	MPR (dB)
Frequency (MHz)									2066.5	2066.5
10	QPSK	1	0	20.5						



### Band 7\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel		Frequency (MHz)		2060		2100		2150	
20	QPSK	1	0	20.65	20.61	20.66			
20	QPSK	1	49	20.81	20.98	20.88	22	0	
20	QPSK	1	99	20.73	20.96	20.94			
20	QPSK	50	0	19.75	19.84	19.86			
20	QPSK	50	24	19.79	19.99	19.96			
20	QPSK	50	50	19.77	19.98	19.94			
20	QPSK	100	0	19.96	19.99	19.80			
20	16QAM	1	0	20.07	19.96	20.12			
20	16QAM	1	49	19.95	20.20	20.10	21	1	
20	16QAM	1	99	19.95	20.20	20.12			
20	16QAM	50	0	18.79	18.81	18.91			
20	16QAM	50	24	18.86	18.96	18.94			
20	16QAM	50	50	18.81	18.96	19.00			
20	16QAM	100	0	18.86	18.87	18.90			
20	64QAM	1	0	18.80	18.80	18.84			
20	64QAM	1	49	18.95	19.07	19.05	20	2	
20	64QAM	1	99	18.82	18.90	18.99			
20	64QAM	50	0	17.75	17.76	17.79			
20	64QAM	50	24	17.83	17.95	17.97			
20	64QAM	50	50	17.82	17.88	17.88			
20	256QAM	1	0	15.76	15.76	15.80			
20	256QAM	1	49	16.04	15.98	16.08	17	5	
20	256QAM	1	99	15.96	15.92	15.99			
20	256QAM	50	0	15.85	15.86	15.84			
20	256QAM	50	24	15.85	15.85	15.81			
20	256QAM	50	50	15.94	15.97	15.84			
20	256QAM	100	0	15.76	15.76	15.84			
Channel		Frequency (MHz)		2065		2110		2175	
15	QPSK	1	0	20.63	20.53	20.61	limit	MPR	
15	QPSK	1	37	20.76	20.81	20.75	limit	MPR	
15	QPSK	1	74	20.68	20.88	20.76			
15	QPSK	1	49	20.81	19.94	20.71	22	0	
15	QPSK	36	0	19.71	19.85	19.86			
15	QPSK	36	36	19.71	19.84	19.83			
15	QPSK	36	73	19.83	19.97	19.99	21	1	
15	16QAM	1	0	19.97	19.88	20.05			
15	16QAM	1	37	19.87	20.09	20.00			
15	16QAM	1	74	19.84	20.12	20.02			
15	16QAM	36	0	18.66	18.68	18.76			
15	16QAM	36	20	18.76	18.83	18.84			
15	16QAM	36	59	18.87	18.90	18.96	20	2	
15	16QAM	36	99	18.81	18.81	18.78			
15	64QAM	1	0	18.85	18.82	18.73			
15	64QAM	1	37	18.77	18.88	18.83			
15	64QAM	1	74	18.73	18.10	18.87	20	2	
15	64QAM	36	0	17.80	17.87	17.88			
15	64QAM	36	20	17.88	17.88	17.77			
15	64QAM	36	59	17.86	17.86	18.87	19	3	
15	64QAM	36	99	17.76	17.80	17.83			
15	256QAM	1	0	15.67	15.81	15.73			
15	256QAM	1	37	15.96	15.86	15.98			
15	256QAM	1	74	15.81	15.77	15.84	17	5	
15	256QAM	36	0	15.64	15.73	15.72			
15	256QAM	36	20	15.77	15.71	15.67			
15	256QAM	36	59	15.87	15.87	15.70			
15	256QAM	36	99	15.64	15.77	15.76	17	5	
Channel		Frequency (MHz)		2065		2110		2175	
10	QPSK	1	0	20.51	20.49	20.57	limit	MPR	
10	QPSK	1	25	20.56	20.66	20.66	limit	MPR	
10	QPSK	1	49	20.66	20.96	20.68			
10	QPSK	25	0	19.60	19.74	19.80			
10	QPSK	25	25	19.85	19.83	19.93			
10	QPSK	25	50	19.96	19.84	19.79	21	1	
10	QPSK	50	0	19.76	19.76	19.69			
10	16QAM	1	0	19.89	19.81	20.00			
10	16QAM	1	49	19.86	20.11	20.00	21	1	
10	16QAM	1	99	18.68	18.68	18.82			
10	16QAM	25	0	18.75	18.81	18.89			
10	16QAM	25	25	18.70	18.80	18.89			
10	16QAM	50	0	18.71	18.80	18.76			
10	64QAM	1	0	18.70	18.76	18.74			
10	64QAM	1	25	18.86	18.93	18.91			
10	64QAM	1	49	18.71	19.71	18.87			
10	64QAM	25	0	17.68	17.89	17.72			
10	64QAM	25	25	17.74	17.86	17.80			
10	64QAM	50	0	18.70	17.90	17.83			
10	256QAM	1	0	15.76	15.76	15.74			
10	256QAM	1	25	15.94	15.82	15.84			
10	256QAM	1	49	15.81	15.76	15.83			
10	256QAM	25	0	15.69	15.69	15.70			
10	256QAM	25	25	15.78	15.70	15.65			
10	256QAM	25	50	15.82	15.85	15.76			
10	256QAM	50	0	15.63	15.69	15.75			
Channel		Frequency (MHz)		2075		2110		2145	
5	QPSK	1	0	20.56	20.54	20.51	limit	MPR	
5	QPSK	1	12	20.65	20.81	20.70			
5	QPSK	1	24	20.64	20.87	20.69			
5	QPSK	12	0	19.65	19.71	19.81			
5	QPSK	12	7	19.74	19.85	19.87			
5	QPSK	12	13	19.70	19.85	19.84			
5	QPSK	25	0	19.72	19.67	19.69			
5	16QAM	1	0	20.01	19.89	19.97			
5	16QAM	1	24	19.93	20.06	20.03			
5	16QAM	1	49	18.70	18.66	18.81			
5	16QAM	12	0	18.82	18.85	18.83			
5	16QAM	12	7	18.73	18.81	18.88			
5	16QAM	12	13	18.71	18.81	18.88	20	2	
5	16QAM	25	0	18.72	18.80	18.81			
5	64QAM	1	0	18.69	18.80	18.79			
5	64QAM	1	12	18.89	19.02	18.92	20	2	
5	64QAM	1	24	18.67	19.13	18.90			
5	64QAM	12	0	17.63	17.66	17.69			
5	64QAM	12	7	17.72	17.80	17.74			
5	64QAM	12	13	17.68	17.84	17.81			
5	64QAM	25	0	17.75	17.75	17.81			
5	256QAM	1	0	15.76	15.74	15.78			
5	256QAM	1	12	15.98	15.87	16.01			
5	256QAM	1	24	15.87	15.86	15.83			
5	256QAM	12	0	15.61	15.76	15.72			
5	256QAM	12	7	15.77	15.71	15.70			
5	256QAM	12	13	15.83	15.92	15.72			
5	256QAM	25	0	15.68	15.76	15.78			

### Band 12\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel		Frequency (MHz)		2300		2309		2310	
10	QPSK	1	0	21.38	21.45	21.38			
10	QPSK	1	25	21.54	21.54	21.53	23	0	
10	QPSK	1	49	21.43	21.46	21.53			
10	QPSK	25	0	20.41	20.42	20.42			
10	QPSK	25	12	20.56	20.57	20.51			
10	QPSK	25	25	20.59	20.49	20.39			
10	QPSK	50	0	20.44	20.37	20.45			
10	16QAM	1	0	20.79	20.77	20.86			
10	16QAM	1	25	20.88	20.88	20.84			
10	16QAM	1	49	20.79	20.80	20.81			
10	16QAM	25	0	19.47	19.44	19.44			
10	16QAM	25	12	19.63	19.63	19.50			
10	16QAM	25	25	19.54	19.52	19.56			
10	16QAM	50	0	19.49	19.50	19.49			
10	16QAM	1	0	18.62	18.74	18.74			
10	16QAM	1	25	19.73	19.64	19.81	21	2	
10	16QAM	1	49	18.64	18.69	18.76			
10	16QAM	25	0	18.39	18.51	18.38			
10	16QAM	25	12	18.59	18.51	18.59			
10	16QAM	25	25	18.55	18.65	18.56			
10	16QAM	50	0	18.53	18.59	18.47			
10	256QAM	1	0	15.66	15.69	15.71			
10	256QAM	1	25	16.70	16.75	16.75			
10	256QAM	1	49	16.48	16.53	16.51			
10	256QAM	12	0	16.49	16.52	16.46			
10	256QAM	12	12	16.65	16.74	16.71			
10	256QAM	12	25	16.68	16.70	16.68			
10	256QAM	50	0	15.67	15.67	15.71			
Channel		Frequency (MHz)		2309		2309		2310	
5	QPSK	1	0	21.33	21.33	21.33	limit	MPR	
5	QPSK	1	12	21.38	21.49	21.37	limit	MPR	
5	QPSK	1	24	21.35	21.37	21.41			
5	QPSK	1	37	21.39	21.39	21.27			
5	QPSK	12	7	20.45	20.53	20.45			
5	QPSK	12	13	20.41	20.40	20.34			
5	QPSK	12	25	20.59	20.52	20.39			
5	16QAM	1	0	20.74	20.65	20.52			
5	16QAM	1	12	20.76	20.77	20.73			
5	16QAM	1	24	20.69	20.69	20.56			
5	16QAM	12	0	19.35	19.34	19.29			
5	16QAM	12	7	19.46	19.49	19.39			
5	16QAM	12	13	19.46	19.37	19.40			
5	16QAM	12	25	19.34	19.41	19.37			
5	16QAM	1	0	18.49	18.59	18.63			
5	16QAM	1	12	19.81	19.51	19.68			
5	16QAM	1	24	19.63	19.30	19.40	21	2	
5	16QAM	12	0	18.39	18.38	18.37			
5	16QAM	12	7	18.46	18.55	18.35			
5	16QAM	12	13	18.59	18.49	18.53			
5	16QAM	12	25	18.41	18.45	18.37			
5	256QAM	1	0	16.58	16.64	16.55			
5	256QAM	1	25						



### Band 25\_Ant 1

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MPR (dB)
20	GPRS	1	0	20.79	20.79	20.91		
20	GPRS	1	49	20.82	20.95	20.93	22	0
20	GPRS	1	99	20.72	20.72	20.83		
20	GPRS	50	0	19.77	19.86	19.90		
20	GPRS	50	24	19.84	19.95	19.93	21	1
20	GPRS	50	74	19.80	19.80	19.90		
20	GPRS	100	0	19.76	19.92	19.97		
20	HSPA	1	0	20.16	20.08	20.09	21	1
20	HSPA	1	49	20.17	20.20	20.12		
20	HSPA	1	99	20.11	20.07	20.10		
20	HSPA	50	0	18.84	18.94	18.90		
20	HSPA	50	24	18.96	18.93	18.86		
20	HSPA	50	74	18.93	18.87	18.97	20	2
20	HSPA	100	0	18.81	18.89	18.82		
20	HSPA	1	0	19.01	19.11	19.02		
20	HSPA	1	49	19.02	19.09	19.09	20	2
20	HSPA	1	99	18.99	18.94	19.15		
20	HSPA	50	0	17.81	17.84	17.81		
20	HSPA	50	24	17.86	17.77	17.95	19	3
20	HSPA	50	74	17.83	17.85	17.81		
20	HSPA	100	0	17.83	17.97	17.84		
20	HSPA	1	0	15.84	15.71	15.69	17	5
20	HSPA	1	49	15.84	15.95	15.91		
20	HSPA	1	99	15.77	15.83	15.76		
20	HSPA	50	0	15.86	15.86	15.86	17	5
20	HSPA	50	24	15.81	15.90	15.83		
20	HSPA	50	74	15.86	15.86	15.84		
20	HSPA	100	0	15.74	15.74	15.71		
Channel				2015	2040	2015	limit	MPR (dB)
Frequency (MHz)				187.7	190.0	192.3		
15	GPRS	1	0	20.73	20.73	20.71		
15	GPRS	1	37	20.78	20.78	20.78	22	0
15	GPRS	1	74	20.59	20.54	20.65		
15	GPRS	36	0	19.78	19.87	19.77		
15	GPRS	36	20	19.78	19.82	19.71	21	1
15	GPRS	36	39	19.74	19.78	19.69		
15	GPRS	36	58	19.81	19.78	19.78		
15	HSPA	1	0	19.98	20.04	19.90		
15	HSPA	1	37	19.99	20.09	20.03	21	1
15	HSPA	1	74	19.92	19.92	19.94		
15	HSPA	36	0	18.72	18.73	18.86		
15	HSPA	36	20	18.84	18.79	18.85	20	2
15	HSPA	36	39	18.76	18.82	18.84		
15	HSPA	36	58	18.91	18.91	19.02	20	2
15	HSPA	1	0	18.88	18.88	18.92		
15	HSPA	1	37	18.88	18.91	18.88		
15	HSPA	1	74	18.84	18.88	18.99		
15	HSPA	36	0	17.83	17.77	17.80		
15	HSPA	36	20	17.89	17.83	17.79	19	3
15	HSPA	36	39	17.82	17.74	17.84		
15	HSPA	36	58	17.72	17.75	17.76		
15	HSPA	1	0	15.52	15.58	15.57	17	5
15	HSPA	1	37	15.58	15.61	15.61		
15	HSPA	1	74	15.76	15.69	15.77		
15	HSPA	36	0	15.45	15.55	15.47		
15	HSPA	36	20	15.40	15.51	15.46	17	5
15	HSPA	36	39	15.50	15.54	15.56		
15	HSPA	36	58	15.67	15.58	15.57		
Channel				1855	1880	1910	limit	MPR (dB)
Frequency (MHz)				185.5 <th>190.0<th>191.0<td></td><td></td></th></th>	190.0 <th>191.0<td></td><td></td></th>	191.0 <td></td> <td></td>		
10	GPRS	1	0	20.64	20.71	20.70		
10	GPRS	1	26	20.69	20.62	20.63	22	0
10	GPRS	1	49	20.57	20.63	20.67		
10	GPRS	25	0	19.73	19.76	19.87		
10	GPRS	25	19	19.78	19.77	19.76	21	1
10	GPRS	25	25	19.82	19.77	19.75		
10	GPRS	50	0	19.76	19.80	19.77		
10	HSPA	1	0	20.09	20.09	20.09		
10	HSPA	1	25	20.06	20.04	20.07	21	1
10	HSPA	1	49	19.86	19.86	19.96		
10	HSPA	25	0	18.76	18.77	18.85		
10	HSPA	25	12	18.91	18.83	18.91	20	2
10	HSPA	25	25	18.81	18.78	18.78		
10	HSPA	50	0	18.70	18.77	18.76		
10	HSPA	50	12	18.80	18.81	18.89	20	2
10	HSPA	50	25	18.81	18.95	18.97		
10	HSPA	1	0	18.84	18.92	19.08		
10	HSPA	1	49	18.84	18.92	19.08		
10	HSPA	1	99	17.86	17.78	17.80	19	3
10	HSPA	25	0	17.72	17.73	17.78		
10	HSPA	25	12	17.86	17.78	17.80		
10	HSPA	25	25	17.72	17.73	17.78		
10	HSPA	50	0	15.47	15.57	15.63	17	5
10	HSPA	50	12	15.74	15.84	15.86		
10	HSPA	50	25	15.50	15.57	15.49		
10	HSPA	25	0	15.45	15.57	15.66	17	5
10	HSPA	25	12	15.56	15.67	15.68		
10	HSPA	25	25	15.60	15.53	15.64		
10	HSPA	50	0	15.70	15.62	15.65		
Channel				2005	2040	2005	limit	MPR (dB)
Frequency (MHz)				182.7 <th>188.0<th>191.0<td></td><td></td></th></th>	188.0 <th>191.0<td></td><td></td></th>	191.0 <td></td> <td></td>		
5	GPRS	1	0	20.70	20.66	20.71		
5	GPRS	1	12	20.73	20.73	20.82	22	0
5	GPRS	1	24	20.61	20.62	20.63		
5	GPRS	12	0	19.66	19.81	19.78		
5	GPRS	12	7	19.80	19.76	19.79	21	1
5	GPRS	12	13	19.76	19.76	19.77		
5	GPRS	25	0	19.69	19.75	19.78		
5	HSPA	1	0	20.07	20.02	19.96		
5	HSPA	1	12	19.99	20.07	20.09	21	1
5	HSPA	1	24	19.96	19.99	19.99		
5	HSPA	12	0	18.73	18.82	18.79		
5	HSPA	12	7	18.86	18.87	18.89	20	2
5	HSPA	12	13	18.81	18.86	18.76		
5	HSPA	25	0	18.76	18.78	18.75		
5	HSPA	25	0	18.88	18.94	19.01	20	2
5	HSPA	12	0	18.93	19.01	19.97		
5	HSPA	12	7	18.82	18.94	19.02		
5	HSPA	12	0	17.80	17.75	17.89		
5	HSPA	12	7	17.87	17.89	17.85		
5	HSPA	12	13	17.71	17.73	17.86	19	3
5	HSPA	25	0	15.68	15.83	15.87	17	5
5	HSPA	25	12	15.80	15.78	15.86		
5	HSPA	25	0	15.68	15.77	15.66		
5	HSPA	12	0	15.40	15.53	15.46		
5	HSPA	12	7	15.68	15.68	15.65	17	5
5	HSPA	12	13	15.66	15.51	15.64		
5	HSPA	25	0	15.66	15.66	15.59		
Channel				2005	2040	2005	limit	MPR (dB)
Frequency (MHz)				182.7 <th>188.0<th>191.0<td></td><td></td></th></th>	188.0 <th>191.0<td></td><td></td></th>	191.0 <td></td> <td></td>		
3	GPRS	1	0	20.63	20.71	20.70		
3	GPRS	1	8	20.69	20.80	20.78	22	0
3	GPRS	1	14	20.81	20.84	20.85		
3	GPRS	8	0	19.81	19.81	19.87		
3	GPRS	8	4	19.83	19.81	19.77	21	1
3	GPRS	8	7	19.74	19.68	19.77		
3	HSPA	15	0	19.73	19.74	19.81		
3	HSPA	15	1	20.02	20.07	20.00	21	1
3	HSPA	1	8	20.03	20.10	20.05		
3	HSPA	1	14	19.92	20.09	19.91		
3	HSPA	8	0	18.95	18.73	18.82		
3	HSPA	8	4	18.81	18.78	18.79	20	2
3	HSPA	8	7	18.76	18.86	18.76		
3	HSPA	15	0	18.79	18.76	18.84		
3	HSPA	1	0	18.90	18.88	18.95		
3	HSPA	1	8	18.89	19.05	18.95	20	2
3	HSPA	1	14	18.80	18.90	19.04		
3	HSPA	8	0	17.81	17.82	17.82		
3	HSPA	8	4	17.82	17.92	17.79	19	3
3	HSPA	8	7	17.76	17.75	17.82		
3	HSPA	15	0	15.68	15.75	15.66		
3	HSPA	15	8	15.76	15.76	15.83	17	5
3	HSPA	1	0	15.77	15.69	15.75		
3	HSPA	8	0	15.51	15.57	15.45		
3	HSPA	8	4	15.76	15.77	15.67	17	5
3	HSPA	8	7	15.54	15.58	15.64		
3	HSPA	15	0	15.68	15.60	15.66		
Channel				2005	2040	2005	limit	MPR (dB)
Frequency (MHz)				185.7 <th>190.0<th>191.4<td></td><td></td></th></th>	190.0 <th>191.4<td></td><td></td></th>	191.4 <td></td> <td></td>		
1.4	GPRS	1	0	20.64	20.70	20.76		
1.4	GPRS	1	2	20.67	20.74	20.76	22	0
1.4	GPRS	1	5	20.66	20.64	20.63		
1.4	GPRS	3	0	20.62	20.64	20.73		
1.4	GPRS	3	1	20.67	20.76	20.78	21	1
1.4	GPRS	3	2	20.65	20.60	20.68		
1.4	HSPA	6	0	19.66	19.75	19.76		
1.4	HSPA	6	1	19.98	20.02	19.94		
1.4	HSPA	6	3	20.06	20.00	20.05	21	1
1.4	HSPA	1	5	19.91	20.05	19.96		
1.4	HSPA	1	3	19.86	19.82	19.81		
1.4	HSPA	1	6	19.75	19.80	19.81		
1.4	HSPA	3	0	18.73	18.71	18.70		
1.4	HSPA	3	1	18.77	18.85	18.80	20	2
1.4	HSPA	3	2	18.86	18.80	18.94		
1.4	HSPA	3	5	18.89	19.00	18.96		
1.4	HSPA	1	5	18.76	18.92	19.05	20	2
1.4	HSPA	3	1	18.76	18.76	18.87		
1.4	HSPA	3	1	18.89	18.78	18.84		
1.4	HSPA	3	3	18.76	18.82	18.80	19	3
1.4	HSPA	3	1	17.76	17.84	17.70		
1.4	HSPA	1	0	15.48	15.56	15.61		
1.4	HSPA	1	3	15.76	15.81	15.82	17	5
1.4	HSPA	1	6	15.71	15.68	15.74		
1.4	HSPA	3	1	15.41	15.61	15.53		
1.4	HSPA	3	1	15.74	15.74	15.64		



Band 26\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
<b>Channel</b>										
<b>Frequency (MHz)</b>										
15	QPSK	1	0	21.40	21.40	21.48	23	0		
15	QPSK	1	37	21.58	21.62	21.67				
15	QPSK	1	74	21.71	21.73	21.78				
15	QPSK	36	0	20.59	20.58	20.56	22	1		
15	QPSK	36	20	20.60	20.70	20.66				
15	QPSK	36	39	20.56	20.65	20.65				
15	QPSK	75	0	20.62	20.63	20.61	22	1		
15	16QAM	1	0	20.71	20.79	20.79				
15	16QAM	1	37	20.90	20.92	20.90				
15	16QAM	1	74	20.77	20.65	20.86	21	2		
15	16QAM	36	0	19.53	19.65	19.65				
15	16QAM	36	20	19.67	19.66	19.66				
15	16QAM	36	39	19.55	19.53	19.55	21	2		
15	16QAM	75	0	19.67	19.60	19.70				
15	16QAM	1	0	19.58	19.76	19.73				
15	64QAM	1	37	19.77	19.80	19.83	21	2		
15	64QAM	1	74	19.82	19.70	19.77				
15	64QAM	36	0	18.86	18.82	18.86				
15	64QAM	36	39	18.55	18.54	18.57	20	3		
15	64QAM	75	0	18.63	18.63	18.70				
15	256QAM	1	0	16.96	16.94	16.95				
15	256QAM	1	37	16.91	16.93	16.93	18	5		
15	256QAM	1	74	17.01	17.08	17.02				
15	256QAM	36	20	16.85	16.91	16.84				
15	256QAM	36	39	16.84	16.90	16.81	18	5		
15	256QAM	75	0	16.90	16.88	16.96				
<b>Channel</b>										
<b>Frequency (MHz)</b>										
10	QPSK	1	0	21.83	21.83	21.90	23	0		
10	QPSK	1	25	21.38	21.42	21.42				
10	QPSK	1	49	21.38	21.26	21.41				
10	QPSK	12	0	20.49	20.44	20.49	22	1		
10	QPSK	12	25	20.42	20.42	20.43				
10	QPSK	12	49	20.50	20.50	20.48				
10	16QAM	1	0	20.91	20.60	20.68	22	1		
10	16QAM	1	25	20.68	20.69	20.81				
10	16QAM	1	49	19.38	19.42	19.57				
10	16QAM	12	0	19.36	19.42	19.57	21	2		
10	16QAM	12	25	19.56	19.57	19.61				
10	16QAM	12	49	19.41	19.48	19.45				
10	64QAM	1	0	19.44	19.51	19.66	21	2		
10	64QAM	1	25	19.53	19.71	19.81				
10	64QAM	1	49	19.48	19.57	19.71				
10	64QAM	12	0	18.46	18.50	18.54	20	3		
10	64QAM	12	25	18.57	18.48	18.51				
10	64QAM	12	49	18.53	18.50	18.53				
10	64QAM	50	0	18.61	18.43	18.54	18	5		
10	256QAM	1	0	16.92	16.93	16.92				
10	256QAM	1	49	16.89	16.98	16.98				
10	256QAM	12	0	16.71	16.72	16.69	18	5		
10	256QAM	12	25	16.80	16.76	16.77				
10	256QAM	12	49	16.68	16.79	16.79				
10	256QAM	50	0	16.78	16.78	16.78	<b>Channel</b>	<b>MPR (dB)</b>		
<b>Channel</b>										
<b>Frequency (MHz)</b>										
5	QPSK	1	0	21.29	21.36	21.40	23	0		
5	QPSK	1	12	21.42	21.44	21.42				
5	QPSK	1	24	21.42	21.36	21.47				
5	QPSK	12	0	20.52	20.55	20.47	22	1		
5	QPSK	12	7	20.52	20.56	20.47				
5	QPSK	12	13	20.47	20.46	20.51				
5	QPSK	25	0	20.45	20.54	20.54	22	1		
5	16QAM	1	0	20.59	20.56	20.68				
5	16QAM	1	12	20.74	20.67	20.84				
5	16QAM	1	24	20.67	20.62	20.80	21	2		
5	16QAM	12	0	19.47	19.45	19.54				
5	16QAM	12	7	19.36	19.48	19.59				
5	16QAM	12	13	19.45	19.42	19.49	21	2		
5	16QAM	25	0	19.90	19.91	19.48				
5	64QAM	1	0	19.45	19.81	19.64				
5	64QAM	1	12	19.85	19.73	19.77	21	2		
5	64QAM	1	24	19.51	19.58	19.74				
5	64QAM	12	0	18.50	18.52	18.61				
5	64QAM	12	7	18.58	18.40	18.47	20	3		
5	64QAM	12	13	18.40	18.43	18.43				
5	64QAM	25	0	18.64	18.61	18.61				
5	256QAM	1	0	16.82	16.94	16.85	18	5		
5	256QAM	1	12	16.84	16.87	16.77				
5	256QAM	1	24	16.96	17.03	17.02				
5	256QAM	12	0	16.78	16.72	16.72	18	5		
5	256QAM	12	7	16.82	16.83	16.73				
5	256QAM	12	13	16.64	16.73	16.81				
5	256QAM	25	0	16.79	16.71	16.82	<b>Channel</b>	<b>MPR (dB)</b>		
<b>Channel</b>										
<b>Frequency (MHz)</b>										
3	QPSK	1	0	21.31	21.29	21.40	23	0		
3	QPSK	1	8	21.45	21.43	21.42				
3	QPSK	1	14	21.43	21.36	21.48				
3	QPSK	8	0	20.44	20.54	20.45	22	1		
3	QPSK	8	4	20.46	20.53	20.48				
3	QPSK	8	7	20.39	20.50	20.47				
3	QPSK	15	0	20.54	20.62	20.54	22	1		
3	16QAM	1	0	20.81	20.66	20.63				
3	16QAM	1	8	20.71	20.75	20.76				
3	16QAM	1	14	20.72	20.68	20.78	21	2		
3	16QAM	8	0	19.38	19.47	19.58				
3	16QAM	8	4	19.34	19.48	19.54				
3	16QAM	8	7	19.39	19.41	19.45	21	2		
3	16QAM	15	0	19.52	19.43	19.57				
3	64QAM	1	0	19.47	19.59	19.63				
3	64QAM	1	8	19.69	19.69	19.82	21	2		
3	64QAM	1	14	19.57	19.59	19.73				
3	64QAM	8	0	18.47	18.36	18.55				
3	64QAM	8	4	18.58	18.42	18.54	20	3		
3	64QAM	8	7	18.44	18.44	18.49				
3	64QAM	15	0	18.57	18.45	18.60				
3	256QAM	1	0	16.90	16.90	16.84	18	5		
3	256QAM	1	8	16.86	16.83	16.75				
3	256QAM	1	14	16.97	16.96	16.97				
3	256QAM	8	0	16.76	16.76	16.71	18	5		
3	256QAM	8	4	16.78	16.92	16.77				
3	256QAM	8	7	16.89	16.80	16.74				
3	256QAM	15	0	16.72	16.82	16.87	<b>Channel</b>	<b>MPR (dB)</b>		
<b>Channel</b>										
<b>Frequency (MHz)</b>										
1.4	QPSK	1	0	21.24	21.34	21.44	23	0		
1.4	QPSK	1	3	21.36	21.43	21.38				
1.4	QPSK	1	5	21.40	21.28	21.49				
1.4	QPSK	3	0	21.24	21.30	21.40	22	1		
1.4	QPSK	3	3	21.38	21.43	21.43				
1.4	QPSK	3	3	21.44	21.36	21.44				
1.4	16QAM	1	0	20.45	20.67	20.43	22	1		
1.4	16QAM	1	3	20.84	20.63	20.74				
1.4	16QAM	1	3	20.73	20.69	20.80				
1.4	16QAM	1	0	20.86	20.63	20.83	22	1		
1.4	16QAM	3	0	20.92	20.48	20.54				
1.4	16QAM	3	1	20.43	20.47	20.51				
1.4	16QAM	3	3	20.43	20.45	20.47	21	2		
1.4	16QAM	6	0	19.57	19.53	19.58				
1.4	64QAM	1	0	19.46	19.57	19.65				
1.4	64QAM	1	3	19.68	19.72	19.80	21	2		
1.4	64QAM	1	5	19.55	19.61	19.70				
1.4	64QAM	3	0	19.42	19.51	19.51				
1.4	64QAM	3	1	19.51	19.56	19.61	20	3		
1.4	64QAM	3	3	19.42	19.43	19.44				
1.4	64QAM	6	0	18.57	18.44	18.59				
1.4	256QAM	1	0	16.81	16.90	16.80	18	5		
1.4	256QAM	1	3	16.84	16.87	16.81				
1.4	256QAM	1	5	16.97	16.97	17.00				
1.4	256QAM	3	0	16.75	16.73	16.77	18	5		
1.4	256QAM	3	3	16.76	16.82	16.73				
1.4	256QAM	3	3	16.67	16.72	16.78				
1.4	256QAM	6	0	16.72	16.75	16.88	18	5		

Band 30\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
<b>Channel</b>								
<b>Frequency (MHz)</b>								
10	QPSK	1	0	14.35	14.35	14.35	15	0
10	QPSK	1	25	14.47	14.47	14.47		
10	QPSK	1	49	14.26	14.41	14.43		
10	QPSK	25	0	13.41	13.41	13.41	14	1
10	QPSK	25	12	13.42	13.42	13.33		
10	QPSK	25	25	13.33	13.33	13.33		
10	QPSK	50	0	13.37	13.37	13.37	14	1
10	16QAM	1	0	13.63	13.63	13.63		
10	16QAM	1	25	13.72	13.72	13.72		
10	16QAM	1	49	13.57	13.57	13.57	13	2
10	16QAM	25	0	12.41	12.41	12.41		
10	16QAM	25	12	12.49	12.49	12.49		
10	16QAM	25	25	12.34	12.34	12.34	13	2
10	16QAM	50	0	12.32	12.32	12.32		
10	16QAM	1	0	12.68	12.68	12.68		
10	64QAM	1	25	12.74	12.74	12.74	13	2
10	64QAM	1	49	12.55	12.55	12.55		
10	64QAM	25	0	11.41	11.41	11.39		
10	64QAM	25	12	11.39	11.39	11.39	12	3
10	64QAM	25	25	11.39	11.39	11.39		
10	16QAM	50	0	11.48	11.48	11.48		
10	256QAM	1	0	9.07	9.07	9.07	10	5
10	256QAM	1	25	9.21	9.21	9.21		
10	256QAM	1	49	9.07	9.07	9.07		
10	256QAM	1	25	9.07				



**Band 30\_Ant 7**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)	Channel			2770	2770	2770		
10	QPSK	1	0	19.92				
10	QPSK	1	25	20.04			21.5	0
10	QPSK	1	45	19.97				
10	QPSK	25	0	18.91				
10	QPSK	25	12	19.02			20.5	1
10	QPSK	25	25	19.40				
10	QPSK	50	0	18.96				
10	16QAM	1	0	19.30			20.5	1
10	16QAM	1	25	19.40				
10	16QAM	1	45	19.16				
10	16QAM	25	0	18.05				
10	16QAM	25	12	18.01				
10	16QAM	25	25	17.96			19.5	2
10	16QAM	50	0	17.98				
10	64QAM	1	0	18.10				
10	64QAM	1	25	18.23			19.5	2
10	64QAM	1	45	18.17				
10	64QAM	25	0	16.94				
10	64QAM	25	12	16.95				
10	64QAM	25	25	16.89			18.5	3
10	64QAM	50	0	16.96				
10	256QAM	1	0	14.99				
10	256QAM	1	25	14.88			16.5	5
10	256QAM	1	45	14.78				
10	256QAM	25	0	14.90				
10	256QAM	25	12	14.86				
10	256QAM	25	25	14.74			16.5	5
10	256QAM	50	0	14.85				
Channel								
Frequency (MHz)				2765	2771.0	2773.5	limit (dBm)	MPR (dB)
5	QPSK	1	0	19.01	19.03	19.07		
5	QPSK	1	12	19.06	19.01	19.09	21.5	0
5	QPSK	1	24	19.86	19.83	19.87		
5	QPSK	12	0	18.92	18.99	18.92		
5	QPSK	12	7	19.02	19.01	19.08	20.5	1
5	QPSK	12	13	18.92	19.01	19.01		
5	QPSK	12	13	18.94	18.90	18.92		
5	16QAM	1	0	19.33	19.30	19.34		
5	16QAM	1	12	19.34	19.38	19.42	20.5	1
5	16QAM	1	24	18.17	19.12	19.08		
5	16QAM	12	0	18.02	17.99	17.91		
5	16QAM	12	7	18.03	17.98	18.05	19.5	2
5	16QAM	12	13	17.89	17.93	17.99		
5	64QAM	1	0	18.12	18.20	18.19		
5	64QAM	1	12	18.21	18.22	18.17	19.5	2
5	64QAM	1	24	18.19	18.14	18.16		
5	64QAM	12	0	17.02	16.97	16.94		
5	64QAM	12	7	17.00	16.98	17.05	18.5	3
5	64QAM	12	13	16.96	16.96	16.96		
5	64QAM	25	0	16.92	16.95	16.94		
5	256QAM	1	0	14.91	14.93	14.99		
5	256QAM	1	12	14.89	14.91	14.91	16.5	5
5	256QAM	1	24	14.72	14.76	14.82		
5	256QAM	12	0	14.85	14.89	14.82		
5	256QAM	12	7	14.86	14.77	14.80		
5	256QAM	12	13	14.76	14.75	14.70	16.5	5
5	256QAM	25	0	14.78	14.78	14.84		

**Band 66\_Ant 1**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)	Channel			13207.2	13222.2	13237.2		
20	QPSK	1	0	21.05	21.08	21.09		
20	QPSK	1	49	21.06	21.11	21.09	22	0
20	QPSK	1	99	20.98	20.97	20.91		
20	QPSK	50	0	20.63	20.69	20.67		
20	QPSK	50	24	20.65	20.11	20.08	21	1
20	QPSK	50	50	20.10	19.96			
20	QPSK	100	0	20.05	20.10	19.96		
20	16QAM	1	0	20.35	20.52	20.33		
20	16QAM	1	49	20.28	20.32	20.25	21	1
20	16QAM	1	99	20.21	20.24	20.20		
20	16QAM	50	0	19.14	19.05	19.10		
20	16QAM	50	24	18.98	19.05	18.98		
20	16QAM	50	50	18.13	19.08	19.01	20	2
20	16QAM	100	0	18.09	18.08	18.96		
20	64QAM	1	0	18.99	18.24	18.16		
20	64QAM	1	49	18.27	18.39	18.30	20	2
20	64QAM	1	99	18.06	18.01	18.14		
20	64QAM	50	0	18.08	18.07	18.10		
20	64QAM	50	24	18.18	18.12	18.01		
20	64QAM	50	50	18.13	18.08	18.07	19	3
20	64QAM	100	0	18.03	18.09	17.96		
20	256QAM	1	0	15.72	15.75	15.74		
20	256QAM	1	49	15.98	16.00	16.04	17	5
20	256QAM	1	99	15.84	15.77	15.79		
20	256QAM	50	0	15.98	15.98	15.99		
20	256QAM	50	24	15.72	15.75	15.75		
20	256QAM	50	50	15.83	15.85	15.85	17	5
20	256QAM	100	0	15.81	15.83	15.83		
Channel								
Frequency (MHz)				13204.7	13222.2	13239.7	limit (dBm)	MPR (dB)
10	QPSK	1	0	19.73	19.73	19.73		
10	QPSK	1	24	20.14	20.14	20.14	22	0
10	QPSK	1	37	20.94	21.00	20.99		
10	QPSK	1	74	20.82	20.73	20.83		
10	QPSK	36	0	19.88	19.89	19.87		
10	QPSK	36	20	19.90	19.05	19.93	21	1
10	QPSK	36	39	19.84	19.84	19.84		
10	QPSK	75	0	19.88	19.88	19.88		
10	16QAM	1	0	20.22	20.36	20.26		
10	16QAM	1	37	20.11	20.24	20.17	21	1
10	16QAM	1	74	20.02	20.12	20.06		
10	16QAM	36	0	19.05	19.01	18.91		
10	16QAM	36	20	18.97	18.94	18.97	20	2
10	16QAM	36	39	18.94	18.91	18.90		
10	16QAM	75	0	19.07	19.09	19.02		
10	64QAM	1	0	18.26	18.18	18.17		
10	64QAM	1	37	18.24	18.12	18.17	20	2
10	64QAM	1	74	18.09	18.09	18.08		
10	64QAM	36	0	18.03	18.06	17.89		
10	64QAM	36	20	18.08	17.95	17.89	19	3
10	64QAM	36	39	17.94	17.95	17.92		
10	64QAM	75	0	18.05	18.02	17.87		
10	256QAM	1	0	15.89	15.79	15.82		
10	256QAM	1	37	15.74	15.78	15.72	17	5
10	256QAM	1	74	15.70	15.77	15.70		
10	256QAM	36	0	15.87	15.87	15.82		
10	256QAM	36	20	15.72	15.82	15.83	17	5
10	256QAM	36	39	15.73	15.76	15.73		
10	256QAM	75	0	15.89	15.82	15.80		

**Band 66\_Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak Ch / Freq	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)	Channel			13207.2	13222.2	13237.2		
20	QPSK	1	0	21.05	21.08	21.09		
20	QPSK	1	49	21.06	21.11	21.09	22	0
20	QPSK	1	99	20.98	20.97	20.91		
20	QPSK	50	0	20.63	20.69	20.67		
20	QPSK	50	24	20.65	20.11	20.08	21	1
20	QPSK	50	50	20.10	19.96			
20	QPSK	100	0	20.05	20.10	19.96		
20	16QAM	1	0	20.35	20.52	20.33		
20	16QAM	1	49	20.28	20.32	20.25	21	1
20	16QAM	1	99	20.21	20.24	20.20		
20	16QAM	50	0	19.14	19.05	19.10		
20	16QAM	50	24	18.98	19.05	18.98		
20	16QAM	50	50	18.13	19.08	19.01	20	2
20	16QAM	100	0	18.09	18.08	18.96		
20	64QAM	1	0	18.99	18.24	18.16		
20	64QAM	1	49	18.27	18.39	18.30	20	2
20	64QAM	1	99	18.06	18.01	18.14		
20	64QAM	50	0	18.08	18.07	18.10		
20	64QAM	50	24	18.18	18.12	18.01		
20	64QAM	50	50	18.13	18.08	18.07	19	3
20	64QAM	100	0	18.03	18.09	17.96		
20	256QAM	1	0	15.72	15.75	15.74		
20	256QAM	1	49	15.98	16.00	16.04	17	5
20	256QAM	1	99	15.84	15.77	15.79		
20	256QAM	50	0	15.98	15.98	15.99		
20	256QAM	50	24	15.72	15.75	15.75		
20	256QAM	50	50	15.83	15.85	15.85	17	5
20	256QAM	100	0	15.81	15.83	15.83		
Channel								
Frequency (MHz)				13204.7	13222.2	13239.7	limit (dBm)	MPR (dB)
15	QPSK	1	0	20.12	20.12	20.12		
15	QPSK	1	37	20.94	21.00	20.99	22	0
15	QPSK	1	74	20.82	20.73	20.83		
15	QPSK	36	0	19.88	19.89	19.87		
15	QPSK	36	20	19.90	19.05	19.93	21	1
15	QPSK	36	39	19.84	19.84	19.84		
15	QPSK	75	0	19.88	19.88	19.88		
15	16QAM	1	0	20.22	20.36	20.26		
15	16QAM	1	37	20.11	20.24	20.17	21	1
15	16QAM	1	74	20.02	20.12	20.06		
15	16QAM	36	0	19.05	19.01	18.91		
15	16QAM	36	20	18.97	18.94	18.97	20	2
15	16QAM	36	39	18.94	18.91	18.90		
15	16QAM	75	0	19.07	19.09	19.02		
15	64QAM	1	0	18.26	18.18	18.17		
15	64QAM	1	37	18.24	18.12	18.17	20	2
15	64QAM	1	74	18.09	18.09	18.08		
15	64QAM	36	0					



### Band 66\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mid Ch / Freq	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)			132077	132072	132072	limit	(dB)
20	QPSK	1	0	20.10	20.21	20.05	21.5	0
20	QPSK	1	49	20.11	20.23	20.13		
20	QPSK	1	99	20.11	20.23	20.13		
20	QPSK	50	0	19.17	19.23	19.15		
20	QPSK	50	24	19.25	19.29	19.16	20.5	1
20	QPSK	50	50	19.17	19.23	19.15		
20	QPSK	100	0	19.20	19.26	19.10		
20	16QAM	1	0	19.49	19.44	19.43	20.5	1
20	16QAM	1	49	19.52	19.30	19.35		
20	16QAM	1	99	19.29	19.36	19.29		
20	16QAM	50	0	18.21	18.23	18.06		
20	16QAM	50	24	18.25	18.24	18.04		
20	16QAM	50	50	18.16	18.10	18.05	19.5	2
20	16QAM	100	0	18.17	18.23	18.04		
20	64QAM	1	0	18.33	18.35	18.29		
20	64QAM	1	49	18.44	18.48	18.48	19.5	2
20	64QAM	1	99	18.15	18.32	18.12		
20	64QAM	50	0	17.13	17.23	17.05		
20	64QAM	50	24	17.16	17.26	17.10		
20	64QAM	50	50	17.16	17.22	17.16	18.5	3
20	64QAM	100	0	17.15	17.24	17.04		
20	256QAM	1	0	16.10	16.24	16.10		
20	256QAM	1	49	16.34	16.10	16.11	16.5	5
20	256QAM	1	99	16.24	16.15	16.04		
20	256QAM	50	0	15.12	15.13	15.13		
20	256QAM	50	24	15.19	15.13	15.06	16.5	5
20	256QAM	50	50	15.15	15.14	15.01		
20	256QAM	100	0	15.10	15.03	15.03		
Channel	Frequency (MHz)			17172	17172	17172	limit	MPR (dB)
15	QPSK	1	0	19.94	20.0	19.96	21.5	0
15	QPSK	1	37	20.05	20.09	19.94		
15	QPSK	1	74	19.86	19.89	19.78		
15	QPSK	36	0	19.09	19.13	18.93		
15	QPSK	36	20	19.10	19.15	19.01	22	1
15	QPSK	36	39	18.94	18.96	18.97		
15	QPSK	36	59	19.05	19.04	18.93		
15	16QAM	1	0	19.44	19.37	19.39		
15	16QAM	1	37	19.43	19.30	19.21	20.5	1
15	16QAM	1	74	19.10	19.16	19.11		
15	16QAM	36	0	18.07	18.09	17.99		
15	16QAM	36	20	18.16	18.18	17.91	19.5	2
15	16QAM	36	39	18.09	18.16	18.01		
15	64QAM	1	0	18.31	18.33	18.29		
15	64QAM	1	37	18.33	18.32	18.26	19.5	2
15	64QAM	1	74	18.06	18.16	18.08		
15	64QAM	36	0	17.04	17.19	16.94		
15	64QAM	36	20	17.07	17.16	16.97	18.5	3
15	64QAM	36	39	17.14	17.08	17.03		
15	64QAM	75	0	17.00	17.02	16.86		
15	256QAM	1	0	14.99	15.05	14.88	16.5	5
15	256QAM	1	37	15.04	14.96	14.97		
15	256QAM	1	74	16.18	14.90	15.03		
15	256QAM	36	0	15.05	14.96	15.06		
15	256QAM	36	20	15.05	15.01	14.98	16.5	5
15	256QAM	36	39	15.13	14.97	15.05		
15	256QAM	75	0	15.11	14.89	14.92		
Channel	Frequency (MHz)			17175	17175	17175	limit	MPR (dB)
10	QPSK	1	0	19.97	20.10	19.99	21.5	0
10	QPSK	1	20	20.05	20.15	20.05		
10	QPSK	1	49	19.82	19.94	19.82		
10	QPSK	25	0	19.00	19.05	18.93		
10	QPSK	25	12	19.10	19.15	19.04	20.5	1
10	QPSK	25	25	19.02	19.00	18.99		
10	QPSK	50	0	19.10	19.12	18.88		
10	16QAM	1	0	19.38	19.31	19.38		
10	16QAM	1	25	19.38	19.34	19.21	20.5	1
10	16QAM	1	49	19.21	19.29	19.12		
10	16QAM	25	0	18.10	18.08	18.07		
10	16QAM	25	12	18.13	18.21	17.99	19.5	2
10	16QAM	25	25	18.12	18.08	18.00		
10	64QAM	1	0	18.12	18.12	17.95		
10	64QAM	1	25	18.15	18.39	18.29	19.5	2
10	64QAM	1	49	18.09	18.16	18.11		
10	64QAM	25	0	17.02	17.14	16.93		
10	64QAM	25	12	17.02	17.13	17.00	18.5	3
10	64QAM	25	25	17.11	17.11	17.05		
10	64QAM	50	0	17.06	17.06	16.96		
10	256QAM	1	0	15.07	15.05	14.80	16.5	5
10	256QAM	1	25	15.10	14.99	14.97		
10	256QAM	1	49	16.12	14.95	14.96		
10	256QAM	25	0	15.02	14.97	15.02		
10	256QAM	25	12	15.15	15.05	15.00	16.5	5
10	256QAM	25	25	15.12	15.01	14.97		
10	256QAM	50	0	15.07	14.88	14.95		
Channel	Frequency (MHz)			13197	13202	13207	limit	MPR (dB)
3	QPSK	1	0	19.93	20.04	19.97	21.5	0
3	QPSK	1	12	19.99	20.11	19.96		
3	QPSK	1	24	19.82	19.86	19.86		
3	QPSK	12	0	19.06	19.11	18.92		
3	QPSK	12	7	19.18	19.14	19.02	20.5	1
3	QPSK	12	13	18.96	19.01	18.96		
3	QPSK	25	0	18.09	18.09	18.05		
3	16QAM	1	0	19.44	19.37	19.34		
3	16QAM	1	12	19.43	19.38	19.35	20.5	1
3	16QAM	1	24	19.28	19.36	19.16		
3	16QAM	12	0	18.15	18.14	18.03		
3	16QAM	12	7	18.14	18.17	17.99	19.5	2
3	16QAM	12	13	18.11	18.11	18.00		
3	16QAM	25	0	18.08	18.17	18.03		
3	64QAM	1	0	18.35	18.32	18.29	19.5	2
3	64QAM	1	12	18.35	18.32	18.28		
3	64QAM	1	24	18.11	18.20	18.06		
3	64QAM	12	0	17.04	17.22	16.98	18.5	3
3	64QAM	12	7	17.09	17.10	17.03		
3	64QAM	12	13	17.16	17.05	17.09		
3	256QAM	1	0	15.01	15.00	14.83	16.5	5
3	256QAM	1	12	15.12	15.02	14.90		
3	256QAM	1	14	15.15	14.90	14.95		
3	256QAM	8	0	15.03	14.98	15.05	16.5	5
3	256QAM	8	7	15.04	15.01	14.98		
3	256QAM	15	0	15.04	14.94	14.99		
Channel	Frequency (MHz)			17173	17173	17173	limit	MPR (dB)
1.4	QPSK	1	0	19.91	20.08	20.04	21.5	0
1.4	QPSK	1	20	20.02	20.06	19.96		
1.4	QPSK	1	37	19.87	19.85	19.86		
1.4	QPSK	3	0	19.95	20.05	19.95		
1.4	QPSK	3	1	20.01	20.06	19.99	20.5	1
1.4	QPSK	3	19	19.82	19.90	19.85		
1.4	QPSK	6	0	19.14	19.11	18.92		
1.4	16QAM	1	0	19.43	19.34	19.42		
1.4	16QAM	1	3	19.35	19.34	19.22	20.5	1
1.4	16QAM	1	5	19.24	19.29	19.15		
1.4	16QAM	3	0	18.07	18.08	18.95	19.5	1
1.4	16QAM	3	1	18.18	18.23	18.00		
1.4	16QAM	3	3	18.02	18.88	19.02		
1.4	16QAM	6	0	18.05	18.15	17.96	19.5	2
1.4	64QAM	1	0	18.34	18.35	18.23		
1.4	64QAM	1	3	18.38	18.40	18.35		
1.4	64QAM	1	5	18.06	18.12	18.06	19.5	2
1.4	64QAM	3	0	18.05	18.11	18.08		
1.4	64QAM	3	1	18.17	18.14	17.94		
1.4	64QAM	3	3	18.09	18.13	18.01	18.5	3
1.4	64QAM	6	0	17.02	17.03	17.00		
1.4	256QAM	1	0	14.99	15.08	14.82	16.5	5
1.4	256QAM	1	3	15.10	15.06	14.91		
1.4	256QAM	1	5	15.08	14.92	15.00		
1.4	256QAM	3	0	15.05	15.06	15.09		
1.4	256QAM	3	1	15.08	15.04	14.96	16.5	5
1.4	256QAM	3	3	15.03	15.04	14.97		
1.4	256QAM	6	0	15.06	14.90	14.92	16.5	5

### Band 71\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mid Ch / Freq	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)			133222	133209	133372	limit	(dB)
20	QPSK	1	0	21.71	21.83	21.62	23	0
20	QPSK	1	49	21.70	21.91	21.83		
20	QPSK	1	99	21.68	21.71	21.83		
20	QPSK	50	0	20.79	20.84	20.70		
20	QPSK	50	24	20.81	20.85	20.73	22	1
20	QPSK	50	50	20.87	20.79	20.62		
20	QPSK	100	0	20.65	20.80	20.73		
20	16QAM	1	0	20.72	20.72	20.72	22	1
20	16QAM	1	49	20.82	20.82	20.82		
20	16QAM	1	99	20.81	20.84	20.77		
20	16QAM	50	0	19.74	19.83	19.74		
20	16QAM	50	24	19.81	19.81	19.82		
20	16QAM	50	50	19.81	19.82	19.78	21	2
20	16QAM	100	0	19.81	19.84	19.79		
20	64QAM	1	0	18.81	18.86	18.76		
20	64QAM	1	49	19.79	19.91	19.82	21	2
20	64QAM	1	99	18.59	18.61	18.61		
20	64QAM	50	0	18.79	18.86	18.79		
20	64QAM	50	24	18.74	18.85	18.74		
20	64QAM	50	50	18.82	18.83</			



n2_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	MidB Ch. Freq.	High Ch. Freq.				
Channel										
	Frequency (MHz)			1875	1880	1900				
20	Pi2 BPSK	1	1	21.02	21.02	20.92	22.0	0.0		
20	Pi2 BPSK	1	53	20.87	21.02	20.85	22.0	0.0		
20	Pi2 BPSK	1	104	20.88	20.88	20.92	22.0	0.0		
20	Pi2 BPSK	50	0	20.98	20.87	20.80	22.0	0.0		
20	Pi2 BPSK	50	28	20.82	20.80	20.77	22.0	0.0		
20	Pi2 BPSK	50	56	20.75	20.84	20.82	22.0	0.0		
20	Pi2 BPSK	100	0	20.88	20.87	20.80	22.0	0.0		
20	QPSK	1	1	20.91	21.02	20.87	22.0	0.0		
20	QPSK	1	53	20.85	20.73	20.78	22.0	0.0		
20	QPSK	1	104	20.89	21.00	20.86	22.0	0.0		
20	QPSK	50	0	20.80	20.84	20.70	22.0	0.0		
20	QPSK	50	28	20.88	20.89	20.83	22.0	0.0		
20	QPSK	50	56	20.88	20.88	20.72	22.0	0.0		
20	QPSK	100	0	20.82	20.87	20.82	22.0	0.0		
20	HS-DMA	1	1	20.75	20.84	20.70	22.0	0.0		
20	HS-DMA	1	1	20.74	20.92	20.80	22.0	0.0		
20	HS-DMA	1	1	19.37	19.42	19.33	20.5	1.5		
Channel										
	Frequency (MHz)			1875.5	1880	1902.5				
15	QPSK	1	1	20.91	20.83	20.85	22.0	0.0		
Channel										
	Frequency (MHz)			1875.0	1870	1902.0				
10	QPSK	1	1	18.55	18.50	19.02				
Channel										
	Frequency (MHz)			1765.0	1760	1815.0				
5	QPSK	1	1	20.93	21.00	20.92	22.0	0.0		

n2_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	MidB Ch. Freq.	High Ch. Freq.				
Channel										
	Frequency (MHz)			1765	1760	1815				
20	Pi2 BPSK	1	1	21.05	21.03	20.93	22.0	0.0		
20	Pi2 BPSK	1	53	20.87	21.02	20.85	22.0	0.0		
20	Pi2 BPSK	1	104	20.88	20.88	20.92	22.0	0.0		
20	Pi2 BPSK	50	0	20.98	20.87	20.80	22.0	0.0		
20	Pi2 BPSK	50	28	20.82	20.83	20.77	22.0	0.0		
20	Pi2 BPSK	50	56	20.73	20.84	20.82	22.0	0.0		
20	Pi2 BPSK	100	0	20.88	20.87	20.80	22.0	0.0		
20	QPSK	1	1	20.91	21.02	20.87	22.0	0.0		
20	QPSK	1	53	20.85	20.73	20.78	22.0	0.0		
20	QPSK	1	104	20.89	21.00	20.86	22.0	0.0		
20	QPSK	50	0	20.80	20.84	20.70	22.0	0.0		
20	QPSK	50	28	20.88	20.89	20.83	22.0	0.0		
20	QPSK	50	56	20.88	20.88	20.72	22.0	0.0		
20	QPSK	100	0	20.82	20.87	20.82	22.0	0.0		
20	HS-DMA	1	1	20.75	20.84	20.70	22.0	0.0		
20	HS-DMA	1	1	20.74	20.92	20.80	22.0	0.0		
20	HS-DMA	1	1	19.37	19.42	19.33	20.5	1.5		
Channel										
	Frequency (MHz)			1765.5	1760	1902.5				
15	QPSK	1	1	20.91	20.83	20.85	22.0	0.0		
Channel										
	Frequency (MHz)			1765.0	1760	1902.0				
10	QPSK	1	1	20.99	20.99	21.07	22.0	0.0		
Channel										
	Frequency (MHz)			1655.0	1650	1697.5				
5	QPSK	1	1	20.93	21.00	20.92	22.0	0.0		

n5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. Freq.	MidB Ch. Freq.	High Ch. Freq.				
Channel										
	Frequency (MHz)			1665	1670	1690				
20	Pi2 BPSK	1	1	21.48	21.56	21.52	23.0	0.0		
20	Pi2 BPSK	1	53	21.54	21.51	21.50	23.0	0.0		
20	Pi2 BPSK	1	104	21.50	21.70	21.54	23.0	0.0		
20	Pi2 BPSK	50	0	21.50	21.54	21.58	23.0	0.0		
20	Pi2 BPSK	50	28	21.31	21.48	21.41	23.0	0.0		
20	Pi2 BPSK	50	56	21.28	21.43	21.51	23.0	0.0		
20	Pi2 BPSK	100	0	21.48	21.57	21.51	23.0	0.0		
20	QPSK	1	1	21.60	21.71	21.65	23.0	0.0		
20	QPSK	1	53	21.37	21.58	21.58	23.0	0.0		
20	QPSK	1	104	21.58	21.70	21.65	23.0	0.0		
20	QPSK	50	0	21.38	21.51	21.44	23.0	0.0		
20	QPSK	50	28	21.38	21.67	21.80	23.0	0.0		
20	QPSK	50	56	21.55	21.63	21.40	23.0	0.0		
20	QPSK	100	0	21.44	21.54	21.58	23.0	0.0		
20	HS-DMA	1	1	21.35	21.52	21.53	23.0	0.0		
20	HS-DMA	1	1	21.33	21.59	21.68	23.0	0.0		
20	HS-DMA	1	1	20.09	20.09	20.00	21.5	1.5		
Channel										
	Frequency (MHz)			1665.5	1670	1690				
15	QPSK	1	1	21.48	21.53	21.52	23.0	0.0		
Channel										
	Frequency (MHz)			1670	1670	1690				
10	QPSK	1	1	21.53	21.55	21.54	23.0	0.0		
Channel										
	Frequency (MHz)			1655	1670	1690				
5	QPSK	1	1	21.54	21.58	21.57	23.0	0.0		



n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel				146500	147500	147500		
Frequency (MHz)				804	808.4	808		
20	PB2-BPSK	1	1	21.41	21.54	21.52	23.0	0.0
20	PB2-BPSK	1	53	21.54	21.51	21.50	23.0	0.0
20	PB2-BPSK	1	104	21.50	21.70	21.64	23.0	0.0
20	PB2-BPSK	50	0	21.50	21.54	21.56	23.0	0.0
20	PB2-BPSK	50	28	21.51	21.48	21.41	23.0	0.0
20	PB2-BPSK	50	55	21.50	21.53	21.51	23.0	0.0
20	PB2-BPSK	100	0	21.48	21.57	21.51	23.0	0.0
20	QPSK	1	1	21.50	21.71	21.62	23.0	0.0
20	QPSK	1	53	21.57	21.56	21.56	23.0	0.0
20	QPSK	1	104	21.58	21.70	21.85	23.0	0.0
20	QPSK	50	0	21.58	21.51	21.44	23.0	0.0
20	QPSK	50	28	21.58	21.67	21.60	23.0	0.0
20	QPSK	50	55	21.50	21.63	21.49	23.0	0.0
20	QPSK	100	0	21.44	21.54	21.50	23.0	0.0
20	16QAM	1	1	21.50	21.52	21.53	23.0	0.0
20	16QAM	1	1	21.50	21.50	21.50	23.0	0.0
20	256QAM	1	1	20.00	20.00	20.00	21.5	1.5
Channel				148500	149500	149500		
Frequency (MHz)				831.0	836.5	841.5		
15	QPSK	1	1	21.40	21.53	21.52	23.0	0.0
Channel				149500	150500	150500		
Frequency (MHz)				850	855.5	861		
10	QPSK	1	1	21.53	21.65	21.64	23.0	0.0
Channel				149500	149750	149750		
Frequency (MHz)				859.4	864.8	869.3		
5	QPSK	1	1	21.54	21.54	21.52	23.0	0.0

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel				141500	141500	141700		
Frequency (MHz)				704.6	707.6	708.6		
15	PB2-BPSK	1	1	21.50	21.51	21.52	23.0	0.0
15	PB2-BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PB2-BPSK	1	77	21.43	21.55	21.45	23.0	0.0
15	PB2-BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PB2-BPSK	36	22	21.37	21.37	21.38	23.0	0.0
15	PB2-BPSK	36	43	21.33	21.47	21.48	23.0	0.0
15	PB2-BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.58	21.45	23.0	0.0
15	QPSK	1	40	21.54	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43	23.0	0.0
15	QPSK	36	0	21.33	21.45	21.32	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	43	21.43	21.51	21.45	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.46	23.0	0.0
15	16QAM	1	1	21.50	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.46	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel				142000	142000	142000		
Frequency (MHz)				704	707.6	711		
10	QPSK	1	1	21.57	21.45	21.47	23.0	0.0
Channel				142000	142000	142000		
Frequency (MHz)				703.5	707.5	711.5		
5	QPSK	1	1	21.49	21.51	21.45	23.0	0.0

n12_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel				141500	141500	141700		
Frequency (MHz)				706.5	707.6	708.6		
15	PB2-BPSK	1	1	21.50	21.51	21.52	23.0	0.0
15	PB2-BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PB2-BPSK	1	77	21.43	21.55	21.45	23.0	0.0
15	PB2-BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PB2-BPSK	36	22	21.37	21.37	21.38	23.0	0.0
15	PB2-BPSK	36	43	21.33	21.47	21.48	23.0	0.0
15	PB2-BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.58	21.45	23.0	0.0
15	QPSK	1	40	21.54	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43	23.0	0.0
15	QPSK	36	0	21.33	21.45	21.32	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	43	21.43	21.51	21.45	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.46	23.0	0.0
15	16QAM	1	1	21.50	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.46	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel				142000	142000	142000		
Frequency (MHz)				704	707.6	711		
10	QPSK	1	1	21.57	21.45	21.47	23.0	0.0
Channel				142000	142000	142000		
Frequency (MHz)				703.5	707.5	711.5		
5	QPSK	1	1	21.48	21.51	21.45	23.0	0.0





### n25\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
				1870	1882.2	1898		
40	PQPSK	1	1	19.95	20.02	20.08		
40	PQPSK	1	108	19.95	19.93	19.96	21.5	0.0
40	PQPSK	1	214	19.95	19.96	19.99		
40	PQPSK	108	0	19.86	20.03	19.97	21.5	0.0
40	PQPSK	108	54	19.82	19.84	19.79	21.5	0.0
40	PQPSK	108	108	19.78	19.80	19.87	21.5	0.0
40	PQPSK	216	0	19.88	19.95	19.97	21.5	0.0
40	QPSK	1	1	19.94	20.01	19.97		
40	QPSK	1	108	19.84	19.81	19.81	21.5	0.0
40	QPSK	1	214	19.84	20.01	19.89		
40	QPSK	108	0	19.77	19.87	19.87	21.5	0.0
40	QPSK	108	54	19.82	19.87	19.98	21.5	0.0
40	QPSK	108	108	19.78	19.86	19.86	21.5	0.0
40	QPSK	216	0	19.82	20.02	20.04	21.5	0.0
40	16QAM	1	1	19.83	19.81	19.86	21.5	0.0
40	16QAM	1	1	19.77	19.80	19.83	21.5	0.0
40	256QAM	1	1	18.15	18.17	18.19	20.0	1.5
Channel								
				1892.0	1899.0	1908.0		
Frequency (MHz)								
				1882	1892.2	1900		
30	QPSK	1	1	19.83	19.87	20.00	21.5	0.0
Channel								
				1920.0	1929.0	1939.0		
Frequency (MHz)								
				1912.5	1922.2	1932.2		
26	QPSK	1	1	19.88	19.97	19.98	21.5	0.0
Channel								
				19500.0	19600.0	19700.0		
Frequency (MHz)								
				1960	1962.2	1968		
20	QPSK	1	1	19.80	19.95	20.03	21.5	0.0
Channel								
				197500.0	198000.0	198500.0		
Frequency (MHz)								
				1987	19.97	19.95	21.5	0.0
16	QPSK	1	1	19.87	19.97	19.95	21.5	0.0
Channel								
				197000.0	198000.0	199000.0		
Frequency (MHz)								
				1983	20.02	19.97	21.5	0.0
16	QPSK	1	1	19.83	20.02	19.97	21.5	0.0
Channel								
				1982.2	1982.2	1912.2		
Frequency (MHz)								
				19.87	20.04	20.00	21.5	0.0

### n30\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
				2170	2170	2170		
Frequency (MHz)								
				14.02	14.02	14.02		
10	PQPSK	1	26	13.78	13.78	13.78	15.0	0.0
10	PQPSK	1	50	13.73	13.73	13.73		
10	PQPSK	26	0	13.69	13.69	13.69	15.0	0.0
10	PQPSK	26	14	13.72	13.72	13.72	15.0	0.0
10	PQPSK	26	27	13.67	13.67	13.67	15.0	0.0
10	PQPSK	50	0	13.65	13.65	13.65	15.0	0.0
10	QPSK	1	1	14.03	14.03	14.03		
10	QPSK	1	26	13.75	13.75	13.75	15.0	0.0
10	QPSK	1	50	13.83	13.83	13.83		
10	QPSK	26	0	13.68	13.68	13.68	15.0	0.0
10	QPSK	26	14	13.69	13.69	13.69	15.0	0.0
10	QPSK	26	27	13.63	13.63	13.63	15.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	15.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	15.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	15.0	0.0
10	256QAM	1	1	13.59	13.59	13.59	15.0	0.0
Channel								
				46200.0	46200.0	46200.0		
Frequency (MHz)								
				2597.5	2510	2512.5		
5	QPSK	1	1	13.88	13.72	13.82	15.0	0.0

### n30\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
				2170	2170	2170		
Frequency (MHz)								
				14.02	14.02	14.02		
10	PQPSK	1	26	13.78	13.78	13.78	15.0	0.0
10	PQPSK	1	50	13.73	13.73	13.73		
10	PQPSK	26	0	13.69	13.69	13.69	15.0	0.0
10	PQPSK	26	14	13.72	13.72	13.72	15.0	0.0
10	PQPSK	26	27	13.67	13.67	13.67	15.0	0.0
10	PQPSK	50	0	13.65	13.65	13.65	15.0	0.0
10	QPSK	1	1	14.03	14.03	14.03		
10	QPSK	1	26	13.75	13.75	13.75	15.0	0.0
10	QPSK	1	50	13.83	13.83	13.83		
10	QPSK	26	0	13.68	13.68	13.68	15.0	0.0
10	QPSK	26	14	13.69	13.69	13.69	15.0	0.0
10	QPSK	26	27	13.63	13.63	13.63	15.0	0.0
10	QPSK	50	0	14.01	14.01	14.01	15.0	0.0
10	16QAM	1	1	13.76	13.76	13.76	15.0	0.0
10	16QAM	1	1	13.69	13.69	13.69	15.0	0.0
10	256QAM	1	1	13.59	13.59	13.59	15.0	0.0
Channel								
				46200.0	46200.0	46200.0		
Frequency (MHz)								
				2597.5	2510	2512.5		
5	QPSK	1	1	13.88	13.72	13.82	15.0	0.0



n30_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Turn-up limit (dBm)	MPR (dB)
Channel								
346000								
Frequency (MHz)								
10	PV2 BPSK	1	1	19.72	19.72	19.72	21.5	0.0
10	PV2 BPSK	1	26	19.72	19.72	19.72	21.5	0.0
10	PV2 BPSK	1	50	19.82	19.82	19.82	21.5	0.0
10	PV2 BPSK	25	0	19.85	19.85	19.85	21.5	0.0
10	PV2 BPSK	25	14	19.81	19.81	19.81	21.5	0.0
10	PV2 BPSK	25	27	19.88	19.88	19.88	21.5	0.0
10	PV2 BPSK	50	0	19.88	19.88	19.88	21.5	0.0
10	QPSK	1	1	19.82	19.82	19.82	21.5	0.0
10	QPSK	1	26	19.86	19.86	19.86	21.5	0.0
10	QPSK	1	50	19.74	19.74	19.74	21.5	0.0
10	QPSK	25	0	19.85	19.85	19.85	21.5	0.0
10	QPSK	25	14	19.75	19.75	19.75	21.5	0.0
10	QPSK	25	27	19.88	19.88	19.88	21.5	0.0
10	QPSK	50	0	19.74	19.74	19.74	21.5	0.0
10	16QAM	1	1	19.85	19.85	19.85	21.5	0.0
10	16QAM	1	1	19.80	19.80	19.80	21.5	0.0
10	256QAM	1	1	19.84	19.84	19.84	20.0	1.5
Channel								
365500								
Frequency (MHz)								
5	QPSK	1	1	19.82	19.77	19.74	21.5	0.0

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Turn-up limit (dBm)	MPR (dB)
Channel								
346000								
Frequency (MHz)								
40	PV2 BPSK	1	1	19.72	19.72	19.72	22.0	0.0
40	PV2 BPSK	1	168	19.34	19.45	19.43	22.0	0.0
40	PV2 BPSK	1	244	19.03	19.21	19.45	22.0	0.0
40	PV2 BPSK	168	0	21.59	21.42	21.52	22.0	0.0
40	PV2 BPSK	168	54	21.53	21.38	21.27	22.0	0.0
40	PV2 BPSK	168	168	21.31	21.44	21.38	22.0	0.0
40	PV2 BPSK	216	0	21.48	21.45	21.44	22.0	0.0
40	QPSK	1	1	21.23	21.25	21.21	22.0	0.0
40	QPSK	1	168	21.25	21.59	21.27	22.0	0.0
40	QPSK	1	214	21.42	21.53	21.50	22.0	0.0
40	QPSK	168	0	21.27	21.48	21.38	22.0	0.0
40	QPSK	168	54	21.41	21.47	21.46	22.0	0.0
40	QPSK	168	168	21.40	21.45	21.44	22.0	0.0
40	QPSK	216	0	21.44	21.54	21.55	22.0	0.0
40	16QAM	1	1	21.22	21.36	21.35	22.0	0.0
40	16QAM	1	1	21.40	21.40	21.31	22.0	0.0
40	256QAM	1	1	19.73	19.79	19.88	20.5	1.5
Channel								
365000								
Frequency (MHz)								
30	QPSK	1	1	19.58	19.55	19.44	22.0	0.0
Channel								
346000								
Frequency (MHz)								
25	QPSK	1	1	19.23	19.47	19.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
20	QPSK	1	1	19.23	19.47	19.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
15	QPSK	1	1	21.59	21.48	21.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0
Channel								
346000								
Frequency (MHz)								
1	QPSK	1	1	21.38	21.53	21.46	22.0	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Turn-up limit (dBm)	MPR (dB)
Channel								
346000								
Frequency (MHz)								
40	PV2 BPSK	1	1	19.72	19.72	19.72	22.0	0.0
40	PV2 BPSK	1	168	19.34	19.45	19.43	22.0	0.0
40	PV2 BPSK	1	214	19.40	19.51	19.46	22.0	0.0
40	PV2 BPSK	168	0	21.39	21.42	21.52	22.0	0.0
40	PV2 BPSK	168	54	21.33	21.38	21.27	22.0	0.0
40	PV2 BPSK	168	168	21.31	21.44	21.38	22.0	0.0
40	PV2 BPSK	216	0	21.46	21.43	21.44	22.0	0.0
40	QPSK	1	1	21.53	21.55	21.51	22.0	0.0
40	QPSK	1	168	21.25	21.38	21.27	22.0	0.0
40	QPSK	1	214	21.42	21.53	21.50	22.0	0.0
40	QPSK	168	0	21.27	21.48	21.38	22.0	0.0
40	QPSK	168	54	21.41	21.47	21.46	22.0	0.0
40	QPSK	168	168	21.40	21.45	21.44	22.0	0.0
40	QPSK	216	0	21.44	21.54	21.55	22.0	0.0
40	16QAM	1	1	21.22	21.36	21.35	22.0	0.0
40	16QAM	1	1	21.40	21.40	21.31	22.0	0.0
40	256QAM	1	1	19.73	19.79	19.88	20.5	1.5
Channel								
365000								
Frequency (MHz)								
30	QPSK	1	1	19.58	19.55	19.44	22.0	0.0
Channel								
346000								
Frequency (MHz)								
25	QPSK	1	1	19.23	19.47	19.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
20	QPSK	1	1	19.23	19.47	19.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
15	QPSK	1	1	21.59	21.48	21.43	22.0	0.0
Channel								
346000								
Frequency (MHz)								
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0
Channel								
346000								
Frequency (MHz)								
1	QPSK	1	1	21.38	21.53	21.46	22.0	0.0



n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidCh. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel				345000	345000	345000		
Frequency (MHz)				1710	1745	1770		
40	PVC BPSK	1	1	19.58	19.58	19.58		
40	PVC BPSK	1	168	19.81	19.92	19.88	21.5	0.0
40	PVC BPSK	1	244	19.91	19.98	19.95		
40	PVC BPSK	168	0	19.87	19.88	19.79	21.5	0.0
40	PVC BPSK	168	54	19.74	19.88	19.79	21.5	0.0
40	PVC BPSK	168	168	19.79	19.88	19.84	21.5	0.0
40	PVC BPSK	216	0	19.88	19.85	19.90		
40	QPSK	1	1	19.89	19.95	19.84		
40	QPSK	1	168	19.76	19.88	19.73	21.5	0.0
40	QPSK	1	214	19.81	19.85	19.83		
40	QPSK	168	0	19.72	19.79	19.81	21.5	0.0
40	QPSK	168	54	19.87	19.95	19.84	21.5	0.0
40	QPSK	168	168	19.89	19.91	19.83		
40	QPSK	216	0	19.89	19.89	19.89	21.5	0.0
40	BQAM	1	1	19.74	19.84	19.88	21.5	0.0
40	BQAM	1	1	19.84	19.90	19.88	21.5	0.0
40	25QAM	1	1	18.20	18.28	18.11	20.0	1.5
Channel				350000	350000	350000		
Frequency (MHz)				1745	1745	1745		
50	QPSK	1	1	19.87	19.87	19.88	21.5	0.0
Channel				345000	345000	345000		
Frequency (MHz)				1722.5	1745	1737.5		
35	QPSK	1	1	19.29	19.95	19.95	21.5	0.0
Channel				344000	345000	346000		
Frequency (MHz)				1710	1745	1770		
50	QPSK	1	1	19.94	19.95	19.98	21.5	0.0
Channel				343500	345000	345500		
Frequency (MHz)				1722.5	1745	1727.5		
15	QPSK	1	1	19.94	19.98	19.98	21.5	0.0
Channel				343000	345000	350000		
Frequency (MHz)				1745	1745	1745		
10	QPSK	1	1	19.99	20.01	19.98	21.5	0.0
Channel				342000	345000	350000		
Frequency (MHz)				1712.5	1745	1777.5		
1	QPSK	1	1	19.94	19.98	19.93	21.5	0.0



### n41\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	20.49	20.64	20.62		
100	Pl2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	Pl2 BPSK	1	271	20.27	20.47	20.49		
100	Pl2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	Pl2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	Pl2 BPSK	135	138	20.35	20.59	20.52	22.0	0.0
100	Pl2 BPSK	270	0	20.46	20.54	20.57		
100	QPSK	1	1	20.56	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.52	20.62	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.45	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	16QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	16QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.42	20.56	20.50	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.60	20.55	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0

### n41\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	20.49	20.64	20.62		
100	Pl2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	Pl2 BPSK	1	271	20.27	20.47	20.49		
100	Pl2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	Pl2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	Pl2 BPSK	135	138	20.35	20.59	20.52	22.0	0.0
100	Pl2 BPSK	270	0	20.46	20.54	20.57		
100	QPSK	1	1	20.56	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.52	20.62	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.45	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	16QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	16QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.42	20.56	20.50	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.60	20.55	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0

### n41\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	18.54	18.74	18.71		
100	Pl2 BPSK	1	137	18.58	18.67	18.46	20.0	0.0
100	Pl2 BPSK	1	271	18.44	18.58	18.58		
100	Pl2 BPSK	135	0	18.51	18.67	18.53	20.0	0.0
100	Pl2 BPSK	135	69	18.43	18.60	18.55	20.0	0.0
100	Pl2 BPSK	135	138	18.66	18.74	18.56	20.0	0.0
100	Pl2 BPSK	270	0	18.58	18.61	18.63		
100	QPSK	1	1	18.68	18.80	18.79		
100	QPSK	1	137	18.50	18.58	18.45	20.0	0.0
100	QPSK	1	271	18.59	18.66	18.59		
100	QPSK	135	0	18.41	18.58	18.45		
100	QPSK	135	69	18.49	18.67	18.59	20.0	0.0
100	QPSK	135	138	18.45	18.55	18.50		
100	QPSK	270	0	18.15	18.29	18.21	20.0	0.0
100	16QAM	1	1	18.66	18.73	18.60	20.0	0.0
100	16QAM	1	1	18.52	18.65	18.58	20.0	0.0
100	256QAM	1	1	18.37	18.58	18.59	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.49	18.57	18.59	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.40	18.59	18.60	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.46	18.63	18.56	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.45	18.65	18.58	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.44	18.67	18.55	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.45	18.57	18.58	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.38	18.62	18.60	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.41	18.65	18.60	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.45	18.59	18.58	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.41	18.62	18.59	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.44	18.67	18.61	20.0	0.0



### n41\_Ant 9

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				306002	518598	528000		
Frequency (MHz)				2548.03	2592.99	2665		
100	PI2 BPSK	1	1	20.49	20.84	20.82		
100	PI2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	PI2 BPSK	1	274	20.37	20.47	20.49		
100	PI2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	PI2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	PI2 BPSK	135	138	20.35	20.59	20.52		
100	PI2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.58	20.85	20.84		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	274	20.82	20.82	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.48	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	8QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	8QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel				308300	518598	529596	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel				307804	518598	529596	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.42	20.56	20.59	22.0	0.0
Channel				305002	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2521.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel				306200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2506	2602.99	2669.98	(dBm)	(dB)
60	QPSK	1	1	20.48	20.57	20.49	22.0	0.0
Channel				304204	518598	532096	Tune-up limit	MPR
Frequency (MHz)				2521.02	2602.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel				303002	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2602.99	2674	(dBm)	(dB)
40	QPSK	1	1	20.48	20.82	20.56	22.0	0.0
Channel				302200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2411	2602.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel				301700	518598	535500	Tune-up limit	MPR
Frequency (MHz)				2294.5	2602.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel				301204	518598	535996	Tune-up limit	MPR
Frequency (MHz)				2284.02	2602.99	2680.99	(dBm)	(dB)
20	QPSK	1	1	20.49	20.80	20.55	22.0	0.0
Channel				300700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2023.5	2602.99	2682.98	(dBm)	(dB)
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel				300202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2013.01	2602.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0



### Par270 n77\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 66000	Power Middle Ch. Freq. 66000	Power High Ch. Freq. 66000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	21.12	21.12	21.12		
100	P12 BPSK	1	137	20.03	19.96	19.84	21.0	0.0
100	P12 BPSK	1	271	20.07	20.06	19.96		
100	P12 BPSK	135	0	20.00	20.01	20.00	21.0	0.0
100	P12 BPSK	135	69	19.95	20.13	19.87	21.0	0.0
100	P12 BPSK	270	0	19.93	20.02	19.86	21.0	0.0
100	QPSK	1	1	20.06	20.33	20.32		
100	QPSK	1	137	20.00	19.96	20.04	21.0	0.0
100	QPSK	1	271	20.05	20.17	20.09		
100	QPSK	135	0	19.98	20.09	19.91		
100	QPSK	135	69	19.99	20.12	19.87	21.0	0.0
100	QPSK	135	138	19.95	20.04	20.00		
100	16QAM	1	1	20.01	20.05	19.96	21.0	0.0
100	16QAM	1	1	19.91	19.98	19.93	21.0	0.0
100	16QAM	1	1	19.81	20.04	19.86	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.04	20.10	19.96	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.94	20.11	19.97	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.96	20.11	19.96	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.02	20.02	19.93	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.04	20.09	19.91	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.03	20.02	19.96	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.93	20.11	19.93	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.94	20.05	19.95	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.94	20.06	19.97	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.96	20.05	19.86	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.00	20.04	19.93	21.0	0.0

### Par27Q n77\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 63000	Power Middle Ch. Freq. 63000	Power High Ch. Freq. 63000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	19.71	19.71	19.71		
100	P12 BPSK	1	137	19.59	19.59	19.59	21.0	0.0
100	P12 BPSK	1	271	19.76	19.76	19.76		
100	P12 BPSK	135	0	19.55	19.55	19.55	21.0	0.0
100	P12 BPSK	135	69	19.66	19.66	19.66	21.0	0.0
100	P12 BPSK	138	138	19.71	19.71	19.71		
100	P12 BPSK	270	0	19.65	19.65	19.65	21.0	0.0
100	QPSK	1	1	19.59	19.59	19.59		
100	QPSK	1	137	19.55	19.55	19.55	21.0	0.0
100	QPSK	1	271	19.83	19.83	19.83		
100	QPSK	135	0	19.63	19.63	19.63		
100	QPSK	135	69	19.72	19.72	19.72	21.0	0.0
100	QPSK	135	138	19.83	19.83	19.83		
100	QPSK	270	0	19.67	19.67	19.67	21.0	0.0
100	16QAM	1	1	19.54	19.54	19.54	21.0	0.0
100	16QAM	1	1	19.77	19.77	19.77	21.0	0.0
100	16QAM	1	1	19.42	19.42	19.42	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.48	19.64	19.80	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.67	19.63	19.51	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.49	19.63	19.61	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.72	19.65	19.55	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.74	19.67	19.51	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.54	19.65	19.55	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.56	19.65	19.62	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.53	19.69	19.58	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.51	19.64	19.60	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.55	19.64	19.37	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.62	19.65	19.52	21.0	0.0

### Par270 n77\_Ant 9

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 66000	Power Middle Ch. Freq. 66000	Power High Ch. Freq. 66000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	21.04	21.07	21.05		
100	P12 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	P12 BPSK	1	271	20.95	21.05	20.84		
100	P12 BPSK	135	0	20.95	20.92	20.95	22.0	0.0
100	P12 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	P12 BPSK	138	138	20.98	20.99	20.76		
100	P12 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.20	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.93	21.02	21.03		
100	QPSK	135	0	20.84	20.96	20.86		
100	QPSK	135	69	20.87	20.95	20.83	22.0	0.0
100	QPSK	135	138	20.80	20.82	20.82		
100	QPSK	270	0	20.70	20.84	20.83	22.0	0.0
100	16QAM	1	1	20.85	21.00	20.84	22.0	0.0
100	16QAM	1	1	20.79	20.82	20.79	22.0	0.0
100	16QAM	1	1	20.77	20.87	20.83	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.99	20.98	20.85	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.90	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.94	21.02	20.83	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.03	20.82	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.91	21.04	20.87	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0



Par27Q n77\_Ant 9

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.12	20.12	20.12		
100	PI2 BPSK	1	137	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	1	271	20.72	20.72	20.84		
100	PI2 BPSK	135	0	20.43	20.43	20.43	22.0	0.0
100	PI2 BPSK	135	69	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	135	138	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	270	0	20.60	20.60	20.60		
100	QPSK	1	1	20.70	20.70	21.19	22.0	0.0
100	QPSK	1	137	20.44	20.44	20.44		
100	QPSK	1	271	20.74	20.74	21.08		
100	QPSK	135	0	20.37	20.37	20.46	22.0	0.0
100	QPSK	135	69	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	138	20.50	20.50	20.52		
100	QPSK	270	0	20.41	20.41	20.41	22.0	0.0
100	16QAM	1	1	20.44	20.44	20.44	22.0	0.0
100	16QAM	1	1	20.38	20.38	20.38	22.0	0.0
100	16QAM	1	1	20.36	20.36	20.36	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.40	20.81	20.37	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.44	20.84	20.41	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.42	21.04	20.42	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.81	20.43	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.45	20.89	20.35	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0

Par27Q n77\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.04	21.02	20.56		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.95	21.05	20.84		
100	PI2 BPSK	135	0	20.95	20.92	20.92	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	PI2 BPSK	135	138	20.88	20.89	20.78		
100	PI2 BPSK	270	0	20.81	20.82	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.20	21.19	22.0	0.0
100	QPSK	1	137	20.87	20.90	20.94		
100	QPSK	1	271	20.93	21.02	21.08		
100	QPSK	135	0	20.84	20.96	20.86	22.0	0.0
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.82	20.82		
100	QPSK	270	0	20.70	20.89	20.89	22.0	0.0
100	16QAM	1	1	20.85	21.00	20.84	22.0	0.0
100	16QAM	1	1	20.73	20.92	20.75	22.0	0.0
100	16QAM	1	1	20.77	20.97	20.93	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.99	20.98	20.85	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.90	20.97	20.80	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.94	21.02	20.83	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.08	20.92	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.91	21.04	20.87	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

Par27Q n77\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.12	20.12	20.12		
100	PI2 BPSK	1	137	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	1	271	20.72	20.72	20.84		
100	PI2 BPSK	135	0	20.43	20.43	20.43	22.0	0.0
100	PI2 BPSK	135	69	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	135	138	20.52	20.52	20.52	22.0	0.0
100	PI2 BPSK	270	0	20.60	20.60	20.60		
100	QPSK	1	1	20.70	20.70	21.19	22.0	0.0
100	QPSK	1	137	20.44	20.44	20.44		
100	QPSK	1	271	20.74	20.74	21.08		
100	QPSK	135	0	20.37	20.37	20.46	22.0	0.0
100	QPSK	135	69	20.58	20.58	20.58	22.0	0.0
100	QPSK	135	138	20.50	20.50	20.52		
100	QPSK	270	0	20.41	20.41	20.41	22.0	0.0
100	16QAM	1	1	20.44	20.44	20.44	22.0	0.0
100	16QAM	1	1	20.38	20.38	20.38	22.0	0.0
100	16QAM	1	1	20.36	20.36	20.36	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.40	20.81	20.37	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.44	20.84	20.41	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.42	21.04	20.42	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.81	20.43	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.45	20.89	20.35	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0



### Par270 n77\_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3700	3700	3700		
100	PI2 BPSK	1	1	21.04	21.07	21.06		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.89	21.05	20.84		
100	PI2 BPSK	135	0	20.85	20.92	20.95	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.89	22.0	0.0
100	PI2 BPSK	135	138	20.85	20.99	20.76		
100	PI2 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.00	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.83	21.02	21.03		
100	QPSK	135	0	20.83	20.96	20.98		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.79	20.94	20.95	22.0	0.0
100	16QAM	1	1	20.89	21.00	20.84	22.0	0.0
100	64QAM	1	1	20.79	20.92	20.79	22.0	0.0
100	256QAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel								
Frequency (MHz)				649668	659000	660332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.59	20.59	20.85	22.0	0.0
Channel								
Frequency (MHz)				649734	659000	660666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.80	20.97	20.90	22.0	0.0
Channel								
Frequency (MHz)				649900	659000	660000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel								
Frequency (MHz)				3730.02	3640	3649.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel								
Frequency (MHz)				3725.01	3600	3694.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.86	21.02	20.88	22.0	0.0
Channel								
Frequency (MHz)				649000	659000	660000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.84	21.08	21.02	22.0	0.0
Channel								
Frequency (MHz)				647068	659000	664332	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	21.00	20.88	22.0	0.0
Channel								
Frequency (MHz)				647900	659000	664800	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel								
Frequency (MHz)				647734	659000	664666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel								
Frequency (MHz)				647188	659000	664000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel								
Frequency (MHz)				3700	3640	3690	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

### Par27Q n77\_Ant 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3490.96	633332			
100	PI2 BPSK	1	1	20.72				
100	PI2 BPSK	1	137	20.52			22.0	0.0
100	PI2 BPSK	1	271	20.72				
100	PI2 BPSK	135	0	20.43			22.0	0.0
100	PI2 BPSK	135	69	20.52			22.0	0.0
100	PI2 BPSK	135	138	20.52				
100	PI2 BPSK	270	0	20.50			22.0	0.0
100	QPSK	1	1	20.76				
100	QPSK	1	137	20.44			22.0	0.0
100	QPSK	1	271	20.74				
100	QPSK	135	0	20.57				
100	QPSK	135	69	20.58			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.41			22.0	0.0
100	16QAM	1	1	20.44			22.0	0.0
100	64QAM	1	1	20.68			22.0	0.0
100	256QAM	1	1	20.35			22.0	0.0
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel								
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel								
Frequency (MHz)				3490.96	3490.96	3490.96	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.45	20.51	20.37	22.0	0.0
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.44	20.54	20.48	22.0	0.0
Channel								
Frequency (MHz)				3476.02	3490.96	3505	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.46	20.50	20.40	22.0	0.0
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.47	20.61	20.43	22.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.45	20.69	20.39	22.0	0.0
Channel								
Frequency (MHz)				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel								
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel								
Frequency (MHz)				3490.96	3490.96	3490.96	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0





Inter\_CA Mode\_State 8

Band 2\_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 19, 18, 17, 15, 10, 5 MHz).

Band 2\_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 19, 18, 17, 15, 10, 5 MHz).

Band 2\_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq., 18700, 18900, High Ch./Freq., 19100), Turnup (limit (dB)), MPR (dB). Rows include QPSK, 16QAM, 64QAM, 256QAM for various bandwidths (20, 19, 18, 17, 15, 10, 5 MHz).



## Band 4 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	20.39	20.48	20.34		
20	QPSK	1	48	20.40	20.49	20.39	22	0
20	QPSK	1	20	20.39	20.41	20.14		
20	QPSK	50	0	19.52	19.40	19.47		
20	QPSK	50	24	19.53	19.59	19.48	21	1
20	QPSK	50	50	19.46	19.41	19.41		
20	QPSK	100	0	19.49	19.52	19.48		
20	16QAM	1	0	19.75	19.75	19.63		
20	16QAM	1	48	19.82	19.78	19.74	21	1
20	16QAM	1	99	19.55	19.59	19.41		
20	16QAM	50	0	18.51	18.45	18.46		
20	16QAM	50	24	18.46	18.60	18.46		
20	16QAM	50	50	18.51	18.43	18.43	20	2
20	16QAM	100	0	18.39	18.48	18.34		
20	64QAM	1	0	18.63	18.67	18.67		
20	64QAM	1	48	18.72	18.68	18.52	20	2
20	64QAM	1	99	18.47	18.60	18.23		
20	64QAM	50	0	17.44	17.49	17.52		
20	64QAM	50	24	17.48	17.53	17.48		
20	64QAM	50	50	17.37	17.42	17.37	19	3
20	256QAM	1	0	17.48	17.53	17.38		
20	256QAM	1	48	17.38	17.41	17.48		
20	256QAM	1	99	15.54	15.56	15.62	17	5
20	256QAM	1	99	15.52	15.53	15.58		
20	256QAM	50	0	15.50	15.50	15.50		
20	256QAM	50	24	15.50	15.57	15.51	17	5
20	256QAM	50	50	15.44	15.44	15.39		
20	256QAM	100	0	15.40	15.52	15.38		
Channel								
Frequency (MHz)								
15	QPSK	1	0	20.33	20.33	20.33		
15	QPSK	1	37	20.44	20.45	20.45	22	0
15	QPSK	1	74	20.25	20.42	20.13		
15	QPSK	36	0	19.58	19.37	19.40		
15	QPSK	36	20	19.48	19.52	19.40	21	1
15	QPSK	36	39	19.53	19.45	19.40		
15	QPSK	36	58	19.47	19.48	19.48		
15	16QAM	1	0	19.76	19.71	19.66		
15	16QAM	1	37	19.81	19.79	19.66	21	1
15	16QAM	1	74	19.62	19.78	19.49		
15	16QAM	36	0	18.44	18.48	18.51		
15	16QAM	36	20	18.48	18.54	18.44		
15	16QAM	36	39	18.48	18.47	18.40	20	2
15	16QAM	36	58	18.35	18.59	18.42		
15	64QAM	1	0	18.69	18.71	18.61		
15	64QAM	1	37	18.62	18.62	18.53	20	2
15	64QAM	1	74	18.47	18.59	18.22		
15	64QAM	36	0	17.45	17.36	17.42		
15	64QAM	36	20	17.38	17.46	17.41	19	3
15	64QAM	36	39	17.49	17.47	17.37		
15	64QAM	36	58	17.47	17.50	17.35		
15	256QAM	1	0	15.45	15.43	15.40		
15	256QAM	1	37	15.52	15.52	15.52	17	5
15	256QAM	1	74	15.56	15.55	15.60		
15	256QAM	36	0	15.51	15.46	15.43		
15	256QAM	36	20	15.51	15.53	15.52	17	5
15	256QAM	36	39	15.37	15.42	15.43		
15	256QAM	36	58	15.49	15.42	15.38		
Channel								
Frequency (MHz)								
10	QPSK	1	0	20.43	20.48	20.35		
10	QPSK	1	24	20.27	20.41	20.41	22	0
10	QPSK	1	49	20.27	20.41	20.12		
10	QPSK	25	0	19.55	19.44	19.46		
10	QPSK	25	12	19.45	19.45	19.45	21	1
10	QPSK	25	25	19.45	19.53	19.40		
10	QPSK	50	0	19.45	19.55	19.46		
10	16QAM	1	0	19.39	19.77	19.78		
10	16QAM	1	25	19.31	19.79	19.67	21	1
10	16QAM	1	49	19.51	19.55	19.46		
10	16QAM	25	0	18.47	18.54	18.41		
10	16QAM	25	12	18.44	18.59	18.47	20	2
10	16QAM	25	25	18.54	18.42	18.33		
10	16QAM	50	0	18.52	18.53	18.33		
10	64QAM	1	0	18.70	18.69	18.58		
10	64QAM	1	25	18.85	18.82	18.63	20	2
10	64QAM	1	49	18.42	18.53	18.31		
10	64QAM	25	0	17.48	17.48	17.44		
10	64QAM	25	12	17.39	17.46	17.45	19	3
10	64QAM	25	25	17.40	17.42	17.38		
10	64QAM	50	0	17.48	17.49	17.34		
10	256QAM	1	0	15.42	15.48	15.41		
10	256QAM	1	25	15.52	15.56	15.62	17	5
10	256QAM	1	49	15.50	15.56	15.56		
10	256QAM	25	0	15.43	15.46	15.41		
10	256QAM	25	12	15.43	15.58	15.41	17	5
10	256QAM	25	25	15.42	15.48	15.48		
10	256QAM	50	0	15.44	15.42	15.38		
Channel								
Frequency (MHz)								
5	QPSK	1	0	20.43	20.40	20.39		
5	QPSK	1	12	20.44	20.49	20.43	22	0
5	QPSK	1	24	20.27	20.35	20.21		
5	QPSK	12	0	19.53	19.38	19.41		
5	QPSK	12	7	19.48	19.49	19.44	21	1
5	QPSK	12	13	19.48	19.50	19.40		
5	QPSK	25	0	19.42	19.46	19.43		
5	16QAM	1	0	19.81	19.77	19.71		
5	16QAM	1	24	19.57	19.52	19.39	21	1
5	16QAM	1	49	19.51	19.55	19.46		
5	16QAM	12	0	18.50	18.56	18.41		
5	16QAM	12	7	18.42	18.73	18.40	20	2
5	16QAM	12	13	18.51	18.44	18.36		
5	16QAM	25	0	18.37	18.46	18.40		
5	64QAM	1	0	18.68	18.73	18.66		
5	64QAM	1	12	18.74	18.64	18.63	20	2
5	64QAM	1	24	18.40	18.59	18.25		
5	64QAM	12	0	17.44	17.49	17.47		
5	64QAM	12	7	17.37	17.42	17.42	19	3
5	64QAM	12	13	17.48	17.47	17.39		
5	256QAM	1	0	15.42	15.48	15.41		
5	256QAM	1	12	15.51	15.62	15.51	17	5
5	256QAM	1	24	15.54	15.50	15.58		
5	256QAM	12	0	15.50	15.58	15.38		
5	256QAM	12	7	15.47	15.59	15.45	17	5
5	256QAM	12	13	15.38	15.38	15.39		
5	256QAM	25	0	15.40	15.50	15.40		
Channel								
Frequency (MHz)								
3	QPSK	1	0	20.45	20.45	20.45		
3	QPSK	1	8	20.35	20.52	20.38	22	0
3	QPSK	1	14	20.28	20.33	20.14		
3	QPSK	8	0	19.55	19.38	19.44		
3	QPSK	8	4	19.43	19.56	19.40	21	1
3	QPSK	8	7	19.49	19.44	19.36		
3	16QAM	1	0	19.41	19.45	19.43		
3	16QAM	1	8	19.77	19.71	19.66	21	1
3	16QAM	1	16	19.46	19.60	19.45		
3	16QAM	8	0	18.44	18.56	18.44		
3	16QAM	8	4	18.39	18.61	18.38	20	2
3	16QAM	8	7	18.54	18.44	18.36		
3	16QAM	15	0	18.36	18.52	18.36		
3	64QAM	1	0	18.68	18.75	18.58		
3	64QAM	1	8	18.81	18.66	18.63	20	2
3	64QAM	1	14	18.41	18.73	18.28		
3	64QAM	8	0	17.42	17.56	17.43		
3	64QAM	8	4	17.40	17.43	17.47	19	3
3	64QAM	8	7	17.38	17.37	17.36		
3	256QAM	1	0	15.47	15.49	15.35		
3	256QAM	1	8	15.47	15.57	15.61	17	5
3	256QAM	1	14	15.45	15.53	15.61		
3	256QAM	8	0	15.51	15.37	15.38		
3	256QAM	8	4	15.45	15.47	15.50	17	5
3	256QAM	8	7	15.47	15.41	15.48		
3	256QAM	15	0	15.44	15.50	15.38		

## Band 4 Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (s)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	13.04	13.02	12.92		
20	QPSK	1	49	13.05	13.06	13.04	14.5	0
20	QPSK	50	0	12.15	12.18	12.15		
20	QPSK	50	24	12.16	12.18	12.15	13.5	1
20	QPSK	50	50	12.08	12.08	12.03		
20	QPSK	100	0	12.13	12.14	12.02		
20	16QAM	1	0	12.35	12.38	12.22		
20	16QAM	1	49	12.42	12.38	12.30	13.5	1
20	16QAM	1	99	12.13	12.19	11.97		
20	16QAM	50	0	11.07	11.01	11.01		
20	16QAM	50	24	11.08	11.11	11.07		
20	16QAM	50	50	11.11	11.08	11.03	12.5	2
20	16QAM	100	0	10.95	11.03	10.95		
20	64QAM	1	0	11.26	11.30	11.31		
20	64QAM	1	49	11.39	11.31	11.20	12.5	2
20	64QAM	1	99	11.09	11.14	10.85		
20	64QAM	50	0	10.04	10.08	10.10		
20	64QAM	50	24	10.09	10.10	10.09	11.5	3
20	64QAM	50	50	9.88	10.05	9.95		
20	256QAM	1	0	10.07	10.10	9.97		
20	256QAM	1	49	9.85	9.15	9.99		
20	256QAM	1	99	8.12	8.16	8.23	9.5	5
20	256QAM	1	99	8.13	8.14	8.17		
20	256QAM	50	0	8.06	8			



Band 5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel	Frequency (MHz)			20450	20525	20600					
10	QPSK	1	0	21.30	21.38	21.35					
10	QPSK	1	25	21.31	21.49	21.36	23	0			
10	QPSK	1	49	21.36	21.21	21.31					
10	QPSK	25	0	20.32	20.35	20.35					
10	QPSK	25	12	20.39	20.45	20.44	22	1			
10	QPSK	25	25	20.33	20.35	20.29					
10	QPSK	50	0	20.32	20.37	20.28					
10	16QAM	1	0	20.49	20.54	20.56					
10	16QAM	1	25	20.51	20.61	20.54	22	1			
10	16QAM	1	49	20.63	20.59	20.59					
10	16QAM	25	0	19.43	19.41	19.39					
10	16QAM	25	12	19.44	19.45	19.40	21	2			
10	16QAM	25	25	19.41	19.46	19.36					
10	16QAM	50	0	19.37	19.35	19.34					
10	64QAM	1	0	19.41	19.44	19.48					
10	64QAM	1	25	19.51	19.62	19.47	21	2			
10	64QAM	1	49	19.45	19.51	19.58					
10	64QAM	25	0	18.37	18.34	18.39					
10	64QAM	25	12	18.39	18.36	18.38	20	3			
10	64QAM	25	25	18.41	18.41	18.38					
10	64QAM	50	0	18.33	18.36	18.36					
10	256QAM	1	0	16.75	16.71	16.74					
10	256QAM	1	25	16.88	16.88	16.84	18	5			
10	256QAM	1	49	16.91	16.96	16.89					
10	256QAM	25	0	16.74	16.83	16.80	18	5			
10	256QAM	25	12	16.74	16.83	16.80					
10	256QAM	25	25	16.81	16.92	16.82					
10	256QAM	50	0	16.78	16.86	16.80					
Channel											
Frequency (MHz)				20425	20525	20625	limit (dBm)	MPR (dB)			
5	QPSK	1	0	21.22	21.25	21.22					
5	QPSK	1	12	21.12	21.35	21.23	23	0			
5	QPSK	1	24	21.11	21.12	21.24					
5	QPSK	12	0	20.33	20.35	20.35					
5	QPSK	12	7	20.28	20.34	20.35	22	1			
5	QPSK	12	13	20.29	20.30	20.22					
5	QPSK	12	19	20.33	20.21	20.16					
5	16QAM	1	0	20.36	20.46	20.47					
5	16QAM	1	12	20.42	20.48	20.55	22	1			
5	16QAM	1	24	20.47	20.53	20.52					
5	16QAM	12	0	19.28	19.32	19.31					
5	16QAM	12	7	19.28	19.37	19.26	21	2			
5	16QAM	12	13	19.28	19.31	19.24					
5	16QAM	25	0	19.25	19.24	19.18					
5	64QAM	1	0	19.33	19.39	19.33					
5	64QAM	1	12	19.36	19.50	19.38	21	2			
5	64QAM	1	24	19.33	19.39	19.50					
5	64QAM	12	0	18.24	18.24	18.31					
5	64QAM	12	7	18.34	18.21	18.19	20	3			
5	64QAM	12	13	18.32	18.35	18.31					
5	64QAM	25	0	18.19	18.24	18.21					
5	256QAM	1	0	16.59	16.61	16.62					
5	256QAM	1	12	16.66	16.66	16.65	18	5			
5	256QAM	1	24	16.75	16.87	16.84					
5	256QAM	12	0	16.65	16.76	16.65					
5	256QAM	12	7	16.65	16.76	16.74	18	5			
5	256QAM	12	13	16.67	16.76	16.76					
5	256QAM	25	0	16.62	16.68	16.75					
Channel											
Frequency (MHz)				20407	20525	20643	limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	21.14	21.25	21.29					
1.4	QPSK	1	3	21.12	21.33	21.22	23	0			
1.4	QPSK	1	6	21.16	21.15	21.22					
1.4	QPSK	3	0	21.22	21.22	21.28					
1.4	QPSK	3	1	21.22	21.30	21.13	22	1			
1.4	QPSK	3	3	21.12	21.07	21.18					
1.4	QPSK	6	0	20.17	20.21	20.14	22	1			
1.4	16QAM	1	0	20.39	20.42	20.44					
1.4	16QAM	1	3	20.45	20.46	20.54	22	1			
1.4	16QAM	1	6	20.56	20.44	20.52					
1.4	16QAM	3	0	20.25	20.29	20.24					
1.4	16QAM	3	1	20.33	20.34	20.37	21	2			
1.4	64QAM	1	0	19.38	19.48	19.42					
1.4	64QAM	1	3	19.38	19.45	19.47	21	2			
1.4	64QAM	1	6	18.37	18.26	18.29					
1.4	64QAM	3	0	18.30	18.29	18.27	20	3			
1.4	256QAM	1	0	16.58	16.58	16.70					
1.4	256QAM	1	3	16.72	16.91	16.76	18	5			
1.4	256QAM	1	6	16.76	16.87	16.76					
1.4	256QAM	3	0	16.67	16.76	16.67					
1.4	256QAM	3	1	16.80	16.75	16.74	18	5			
1.4	256QAM	3	3	16.66	16.76	16.76					
1.4	256QAM	15	0	16.70	16.73	16.69					
Channel											
Frequency (MHz)				20407	20525	20643	limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	18.25	18.30	18.45					
1.4	QPSK	1	3	18.22	18.44	18.36	20	0			
1.4	QPSK	1	6	18.24	18.19	18.34					
1.4	QPSK	3	0	18.29	18.33	18.43					
1.4	QPSK	3	1	18.21	18.44	18.32	19	1			
1.4	QPSK	3	3	18.33	18.19	18.26					
1.4	16QAM	1	0	17.40	17.29	17.29	19	1			
1.4	16QAM	1	3	17.59	17.53	17.53					
1.4	16QAM	1	6	17.67	17.63	17.58	19	1			
1.4	16QAM	3	0	17.30	17.41	17.31					
1.4	16QAM	3	1	17.44	17.40	17.36	18	2			
1.4	16QAM	3	3	17.39	17.29	17.21					
1.4	64QAM	6	0	16.33	16.36	16.29	18	2			
1.4	64QAM	3	0	16.46	16.50	16.53					
1.4	64QAM	3	1	16.52	16.60	16.44	18	2			
1.4	64QAM	3	3	16.45	16.52	16.57					
1.4	64QAM	3	6	16.41	16.35	16.36	18	2			
1.4	64QAM	3	9	16.40	16.45	16.50					
1.4	256QAM	3	3	13.73	13.97	13.78	17	3			
1.4	256QAM	3	6	13.83	13.99	13.83					
1.4	256QAM	3	9	13.84	13.92	13.87	15	5			
1.4	256QAM	3	12	13.75	13.91	13.75					
1.4	256QAM	3	15	13.78	13.77	13.78					
1.4	256QAM	3	18	13.73	13.94	13.78	15	5			
1.4	256QAM	6	0	13.76	13.78	13.79	16	5			

Band 5_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel	Frequency (MHz)			20450	20525	20600					
10	QPSK	1	0	18.33	18.27	18.42					
10	QPSK	1	25	18.39	18.46	18.45	20	0			
10	QPSK	1	49	18.33	18.13	18.34					
10	QPSK	25	0	17.39	17.31	17.37					
10	QPSK	25	12	17.45	17.49	17.43	19	1			
10	QPSK	25	25	17.33	17.38	17.33					
10	QPSK	50	0	17.34	17.39	17.32					
10	16QAM	1	0	17.57	17.51	17.53					
10	16QAM	1	25	17.48	17.64	17.61	19	1			
10	16QAM	1	49	17.66	17.54	17.57					
10	16QAM	25	0	16.41	16.39	16.39					
10	16QAM	25	12	16.46	16.47	16.47	18	2			
10	16QAM	25	25	16.46	16.50	16.27					
10	16QAM	50	0	16.27	16.41	16.37					
10	64QAM	1	0	16.39	16.40	16.57					
10	64QAM	1	25	16.28	16.60	16.44	18	2			
10	64QAM	1	49	16.41	16.53	16.53					
10	64QAM	25	0	15.44	15.39	15.41					
10	64QAM	25	12	15.39	15.32	15.34	17	3			
10	64QAM	25	25	15.41	15.39	15.36					
10	64QAM	50	0	15.39	15.31	15.28					
10	256QAM	1	0	13.76	13.84	13.71					
10	256QAM	1	25	13.91	13.92	13.84	15	5			
10	256QAM	1	49	13.89	13.93	13.81					
10	256QAM	25	0	13.78	13.79	13.75					
10	256QAM	25	12	13.71	13.76	13.79	15	5			
10	256QAM	25	25	13.80	13.88	13.74					
10	256QAM	50	0	13.79	13.80	13.71					
Channel											
Frequency (MHz)				20425	20525	20625	limit (dBm)	MPR (dB)			
5	QPSK	1	0	18.33	18.33	18.33					
5	QPSK	1	12	18.19	18.37	18.29	20	0			
5	QPSK	1	24	18.23	18.22	18.33					
5	QPSK	12	0	17.38	17.29	17.35					
5</											



**Band 7\_Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	13.20	13.17	13.21	14.5	0
20	QPSK	1	49	13.43	13.59	13.48		
20	QPSK	1	99	13.31	13.37	13.47		
20	QPSK	50	0	12.40	12.40	12.47		
20	QPSK	50	24	12.42	12.59	12.57	13.5	1
20	QPSK	50	50	12.39	12.35	12.56		
20	QPSK	100	0	12.40	12.40	12.38		
20	16QAM	1	0	12.81	12.52	12.75	13.5	1
20	16QAM	1	49	12.50	12.36	12.74		
20	16QAM	1	99	12.80	12.80	12.69		
20	16QAM	50	0	11.34	11.46	11.47		
20	16QAM	50	24	11.47	11.57	11.55		
20	16QAM	50	50	11.43	11.50	11.57	12.5	2
20	16QAM	100	0	11.43	11.46	11.48		
20	64QAM	1	0	11.37	11.33	11.46		
20	64QAM	1	49	11.37	11.53	11.69	12.5	2
20	64QAM	1	99	11.47	11.50	11.63		
20	64QAM	50	0	10.29	10.30	10.42		
20	64QAM	50	24	10.43	10.50	10.41		
20	64QAM	50	50	10.38	10.30	10.61	11.5	3
20	64QAM	100	0	10.47	10.42	10.45		
20	256QAM	1	0	8.65	8.66	8.67		
20	256QAM	1	49	8.65	8.82	8.62	9.5	5
20	256QAM	1	99	8.60	8.48	8.62		
20	256QAM	1	24	8.36	8.25	8.57		
20	256QAM	50	24	8.45	8.51	8.39	9.5	5
20	256QAM	50	50	8.57	8.57	8.41		
20	256QAM	100	0	8.34	8.37	8.40		
Channel								
Frequency (MHz)								
15	QPSK	1	0	13.20	13.12	13.07	14.5	0
15	QPSK	1	49	13.29	13.46	13.42		
15	QPSK	1	99	13.21	13.43	13.31		
15	QPSK	36	0	12.57	12.57	12.33		
15	QPSK	36	20	12.24	12.55	12.50	13.5	1
15	QPSK	36	36	12.19	12.45	12.50		
15	16QAM	1	0	12.56	12.42	12.63		
15	16QAM	1	37	12.43	12.70	12.56	13.5	1
15	16QAM	1	74	12.42	12.61	12.65		
15	16QAM	36	0	11.31	11.31	11.46	12.5	2
15	16QAM	36	20	11.29	11.40	11.51		
15	16QAM	36	36	11.31	11.36	11.37		
15	64QAM	1	0	11.51	11.53	11.80	12.5	2
15	64QAM	1	49	11.39	11.68	11.61		
15	64QAM	36	0	10.25	10.28	10.32		
15	64QAM	36	20	10.26	10.37	10.40	11.5	3
15	64QAM	36	36	10.34	10.34	10.52		
15	64QAM	75	0	10.25	10.39	10.40		
15	256QAM	1	0	8.24	8.35	8.41		
15	256QAM	1	49	8.34	8.41	8.38	9.5	5
15	256QAM	1	99	8.47	8.34	8.47		
15	256QAM	36	0	8.25	8.27	8.34		
15	256QAM	36	20	8.41	8.37	8.32		
15	256QAM	36	36	8.37	8.41	8.41	9.5	5
15	256QAM	75	0	8.27	8.30	8.33		
Channel								
Frequency (MHz)								
10	QPSK	1	0	13.18	13.10	13.13	14.5	0
10	QPSK	1	12	13.29	13.46	13.42		
10	QPSK	1	49	13.29	13.46	13.35		
10	QPSK	25	0	12.25	12.28	12.37		
10	QPSK	25	12	12.45	12.43	12.43	13.5	1
10	QPSK	25	25	12.20	12.47	12.44		
10	QPSK	50	0	12.34	12.39	12.33		
10	QPSK	50	12	12.43	12.43	12.43		
10	16QAM	1	25	12.43	12.75	12.58	13.5	1
10	16QAM	1	49	12.43	12.65	12.63		
10	16QAM	25	0	11.34	11.34	11.48		
10	16QAM	25	12	11.32	11.44	11.36	12.5	2
10	16QAM	25	25	11.23	11.42	11.53		
10	64QAM	1	0	11.36	11.36	11.34		
10	64QAM	1	49	11.36	11.40	11.36	12.5	2
10	64QAM	25	0	10.32	10.33	10.36		
10	64QAM	25	12	10.32	10.36	10.37	11.5	3
10	64QAM	25	25	10.26	10.47	10.52		
10	64QAM	50	0	10.32	10.33	10.55		
10	256QAM	1	0	8.29	8.31	8.36		
10	256QAM	1	25	8.59	8.44	8.50	9.5	5
10	256QAM	1	49	8.40	8.40	8.43		
10	256QAM	25	0	8.31	8.34	8.29		
10	256QAM	25	12	8.33	8.30	8.25	9.5	5
10	256QAM	25	25	8.42	8.42	8.40		
10	256QAM	50	0	8.28	8.39	8.40		
Channel								
Frequency (MHz)								
5	QPSK	1	0	13.14	13.15	13.09	14.5	0
5	QPSK	1	12	13.23	13.43	13.40		
5	QPSK	1	24	13.10	13.45	13.31		
5	QPSK	12	0	12.24	12.26	12.28		
5	QPSK	12	7	12.29	12.52	12.47	13.5	1
5	QPSK	12	13	12.20	12.43	12.49		
5	QPSK	25	0	12.43	12.43	12.26		
5	16QAM	1	0	12.50	12.47	12.60	13.5	1
5	16QAM	1	12	12.42	12.69	12.54		
5	16QAM	12	7	11.35	11.45	11.52	12.5	2
5	16QAM	12	13	11.25	11.35	11.37		
5	16QAM	25	0	11.36	11.43	11.47	12.5	2
5	64QAM	1	0	11.36	11.37	11.34		
5	64QAM	1	12	11.48	11.57	11.58	12.5	2
5	64QAM	12	7	10.25	10.40	10.45	11.5	3
5	64QAM	12	13	10.33	10.49	10.44		
5	64QAM	25	0	10.32	10.43	10.45		
5	256QAM	1	0	8.62	8.49	8.45	9.5	5
5	256QAM	1	24	8.48	8.42	8.52		
5	256QAM	12	0	8.31	8.31	8.31		
5	256QAM	12	7	8.39	8.27	8.25	9.5	5
5	256QAM	12	13	8.46	8.43	8.35		
5	256QAM	25	0	8.28	8.38	8.36		

**Band 12\_Ant 0**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.38	21.45	21.38	23	0
10	QPSK	1	25	21.54	21.54	21.53		
10	QPSK	1	49	21.43	21.46	21.53		
10	QPSK	25	0	20.41	20.42	20.42		
10	QPSK	25	12	20.56	20.57	20.51	22	1
10	QPSK	25	25	20.39	20.49	20.39		
10	QPSK	50	0	20.44	20.37	20.46		
10	16QAM	1	0	20.79	20.77	20.66	22	1
10	16QAM	1	25	20.69	20.68	20.64		
10	16QAM	1	49	20.79	20.80	20.91		
10	16QAM	25	0	19.47	19.44	19.44		
10	16QAM	25	12	19.63	19.50	19.50	21	2
10	16QAM	25	25	19.54	19.52	19.56		
10	16QAM	50	0	18.49	18.50	18.46		
10	16QAM	50	12	18.62	18.74	18.74	21	2
10	16QAM	50	25	18.73	18.64	19.81		
10	64QAM	1	49	18.64	18.69	18.76	20	3
10	64QAM	25	0	18.39	18.51	18.39		
10	64QAM	25	12	18.59	18.61	18.50		
10	64QAM	25	25	18.55	18.65	18.56	18	5
10	64QAM	50	0	18.53	18.59	18.47		
10	256QAM	1	4	18.63	18.59	18.51	18	5
10	256QAM	1	25	18.70	18.75	18.75		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.53	21.46	21.53	23	0
5	QPSK	1	12	21.38	21.49	21.37	23	0
5	QPSK	1	24	21.35	21.37	21.41		
5	QPSK	12	0	19.48	19.47	19.37		
5	QPSK	12	7	20.45	20.53	20.49	22	1
5	QPSK	12	13	20.41	20.40	20.34		
5	QPSK	25	0	20.39	20.44	20.39		
5	16QAM	1	0	20.74	20.65	20.52	22	1
5	16QAM	1	12	20.76	20.77	20.73		
5	16QAM	1	24	20.69	20.62	20.56	21	2
5	16QAM	12	0	19.35	19.34	19.29		
5	16QAM	12	7	19.46	19.49	19.39	21	2
5	16QAM	12	13	18.46	18.57	18.40		
5	16QAM	25	0	18.34	18.41	18.31		
5	16QAM	25	12	18.49	18.59	18.63	21	2
5	16QAM	25	25	18.63	18.50	19.40		
5	16QAM	50	0	18.39	18.38	18.37		
5	64QAM	1	0	18.46	18.55	18.55	20	3
5	64QAM	12	7	18.46	18.55	18.35		
5	64QAM	12	13	18.50	18.50	18.50	18	5
5	256QAM	1	0	18.45	18.45	18.37		
5	256QAM	1	24	18.41	18.42	18.43	18	5
5	256QAM	12	0	18.47	18.52	18.33		
5	256QAM	12	7	18.50	18.50	18.48		
5	256QAM	12	13	18.52	18.64	18.48		
5	256QAM	25	0	18.40	18.55	18.49		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.28	21.43	21.46	23	0
10	QPSK	1	25	21.46	21.46	21.43		
10	QPSK	1	49	21.37	21.37	21.37		
10	QPSK	14	0	20.31	20.31	20.28		
10	QPSK	14	25	20.40	20.46	20.39	22	1
10	QPSK	15	0	20.45	20.47	20.33		
10	16QAM	1	0	20.75	20.82	20.54	22	1
10	16QAM	1	14	20.62	20.84	20.57		
10	16QAM	8	0	19.36	19.35	19.27		



### Band 25\_Ant 1

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				20140	20340	20590		
20	QPSK	1	0	18.87	18.94	19.06			
20	QPSK	1	49	18.96	19.09	19.07			
20	QPSK	1	98	19.07	19.18	19.07			
20	QPSK	50	0	17.83	17.94	18.00			
20	QPSK	50	24	18.03	18.12	18.02			
20	QPSK	50	49	18.10	18.20	18.08			
20	QPSK	100	0	17.93	18.06	17.98			
20	16QAM	1	0	18.20	18.13	18.22			
20	16QAM	1	49	18.20	18.20	18.20			
20	16QAM	1	99	18.26	18.19	18.20			
20	16QAM	50	0	16.97	17.05	17.01			
20	16QAM	50	24	16.95	16.96	16.96			
20	16QAM	50	50	16.90	16.97	17.11			
20	16QAM	100	0	16.85	16.96	16.89			
20	64QAM	1	0	17.10	17.16	17.13			
20	64QAM	1	49	17.15	17.20	17.21			
20	64QAM	1	99	17.11	17.08	17.22			
20	64QAM	50	0	16.04	16.05	16.03			
20	64QAM	50	24	15.90	15.98	15.96			
20	64QAM	50	50	15.88	15.97	15.97			
20	256QAM	100	0	13.96	14.01	13.98			
20	256QAM	11	1	13.97	13.77	13.82			
20	256QAM	1	49	13.98	14.02	14.05			
20	256QAM	1	99	13.90	13.97	13.98			
20	256QAM	50	0	13.75	13.75	13.74			
20	256QAM	50	24	13.92	13.97	13.97			
20	256QAM	50	50	13.75	13.80	13.69			
20	256QAM	100	0	13.73	13.74	13.83			

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				18273	18300	18273		
15	QPSK	1	0	18.98	18.98	18.97			
15	QPSK	1	37	18.76	18.96	18.95			
15	QPSK	1	74	18.82	18.73	18.86			
15	QPSK	36	0	17.82	17.87	17.87			
15	QPSK	36	20	17.90	17.87	17.90			
15	QPSK	36	39	17.78	17.87	17.71			
15	QPSK	36	59	17.95	17.88	17.98			
15	16QAM	1	0	18.05	18.07	17.98			
15	16QAM	1	37	18.11	18.14	18.12			
15	16QAM	1	74	18.15	18.14	18.02			
15	16QAM	36	0	16.81	16.98	16.91			
15	16QAM	36	20	16.93	16.98	16.90			
15	16QAM	36	39	16.93	16.98	16.96			
15	16QAM	36	59	16.79	16.88	16.80			
15	64QAM	1	0	16.94	17.04	16.96			
15	64QAM	1	37	17.00	17.02	17.00			
15	64QAM	1	74	17.00	16.94	17.16			
15	64QAM	36	0	15.90	15.95	15.91			
15	64QAM	36	20	16.01	16.01	15.91			
15	64QAM	36	39	15.92	15.98	15.98			
15	64QAM	36	59	15.80	15.97	15.77			
15	256QAM	1	0	13.66	13.67	13.63			
15	256QAM	1	37	13.76	13.75	13.74			
15	256QAM	1	74	13.77	13.83	13.70			
15	256QAM	36	0	13.58	13.69	13.66			
15	256QAM	36	20	13.75	13.82	13.76			
15	256QAM	36	39	13.64	13.68	13.59			
15	256QAM	36	59	13.74	13.73	13.80			

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				1865	1860	1860		
10	QPSK	1	0	18.86	18.81	18.84			
10	QPSK	1	49	18.76	18.81	18.81			
10	QPSK	1	98	18.72	18.77	18.83			
10	QPSK	25	0	17.79	17.87	17.82			
10	QPSK	25	17	17.89	17.89	17.89			
10	QPSK	25	25	17.69	17.91	17.73			
10	QPSK	50	0	17.80	17.85	17.82			
10	16QAM	1	0	18.13	18.14	18.14			
10	16QAM	1	25	18.16	18.14	18.17			
10	16QAM	1	49	18.08	18.05	18.10			
10	16QAM	12	0	16.76	16.91	16.85			
10	16QAM	12	12	16.73	16.97	16.80			
10	16QAM	25	0	16.77	16.81	16.98			
10	64QAM	1	0	16.81	16.86	16.90			
10	64QAM	1	25	16.82	16.83	16.96			
10	64QAM	1	49	16.81	16.83	16.98			
10	64QAM	12	0	15.82	15.88	15.88			
10	64QAM	12	12	16.00	16.03	15.90			
10	64QAM	25	0	15.83	15.91	15.96			
10	64QAM	25	12	15.82	16.00	15.90			
10	256QAM	1	0	13.72	13.68	13.72			
10	256QAM	1	25	13.91	13.85	13.89			
10	256QAM	1	50	13.76	13.81	13.87			
10	256QAM	12	0	13.56	13.72	13.60			
10	256QAM	12	13	13.76	13.91	13.85			
10	256QAM	12	25	13.74	13.73	13.77			

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				1865	1860	1860		
5	QPSK	1	0	18.83	18.89	18.91			
5	QPSK	1	12	18.74	18.87	18.96			
5	QPSK	1	24	18.75	18.76	18.90			
5	QPSK	12	0	17.80	17.81	17.81			
5	QPSK	12	7	17.81	17.93	17.87			
5	QPSK	12	17	17.80	17.78	17.87			
5	QPSK	25	0	17.77	17.83	17.75			
5	QPSK	25	13	17.86	17.83	17.75			
5	16QAM	1	0	18.06	18.10	17.98			
5	16QAM	1	12	18.06	18.15	18.16			
5	16QAM	1	24	18.13	17.98	18.04			
5	16QAM	12	0	16.77	16.92	16.92			
5	16QAM	12	7	16.96	16.93	16.85			
5	16QAM	12	13	16.74	16.87	16.98			
5	16QAM	25	0	16.72	16.85	16.80			
5	64QAM	1	0	16.97	17.06	17.04			
5	64QAM	1	12	17.01	17.02	17.04			
5	64QAM	1	24	16.98	16.98	17.09			
5	64QAM	12	0	15.85	15.96	15.95			
5	64QAM	12	7	15.92	16.00	15.95			
5	64QAM	12	13	15.82	15.88	15.87			
5	64QAM	25	0	15.82	15.99	15.75			
5	256QAM	1	0	13.67	13.64	13.64			
5	256QAM	1	24	13.86	13.74	13.70			
5	256QAM	12	0	13.68	13.87	13.64			
5	256QAM	12	7	13.82	13.84	13.81			
5	256QAM	12	13	13.67	13.61	13.61			
5	256QAM	25	0	13.76	13.72	13.78			

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				1863	1860	1863		
3	QPSK	1	0	18.78	18.80	18.80			
3	QPSK	1	8	18.81	18.88	18.89			
3	QPSK	1	14	18.76	18.72	18.85			
3	QPSK	8	0	17.81	17.87	17.83			
3	QPSK	8	4	17.93	17.88	17.94			
3	QPSK	8	7	17.72	17.96	17.69			
3	16QAM	1	0	17.94	17.99	17.85			
3	16QAM	1	8	18.09	18.09	18.03			
3	16QAM	1	8	18.12	18.09	18.13			
3	16QAM	1	14	18.04	18.04	18.10			
3	16QAM	8	0	16.96	16.98	16.98			
3	16QAM	8	4	16.96	16.91	16.91			
3	16QAM	8	7	16.72	16.86	16.90			
3	16QAM	15	0	16.76	16.86	16.81			
3	64QAM	1	0	16.96	17.05	16.95			
3	64QAM	1	8	17.06	16.99	17.15			
3	64QAM	1	14	17.06	17.14	17.06			
3	64QAM	8	0	15.86	15.90	15.91			
3	64QAM	8	4	15.98	15.96	15.92			
3	64QAM	8	7	15.92	16.05	15.98			
3	64QAM	15	0	15.75	15.97	15.81			
3	256QAM	1	0	13.67	13.67	13.66			
3	256QAM	1	8	13.83	13.91	13.90			
3	256QAM	1	14	13.69	13.74	13.70			
3	256QAM	8	0	13.53	13.71	13.64			
3	256QAM	8	7	13.61	13.67	13.62			
3	256QAM	15	0	13.75	13.73	13.72			

Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Power Ch. / Freq.	Turn-up time (s)	MPR (dB)
Channel	Frequency (MHz)				18607	1860	18614		
1.4	QPSK	1	0	18.81	18.80	18.86			
1.4	QPSK	1	49	18.80	18.86	18.86			
1.4	QPSK	1	98	18.77	18.76	18.83			
1.4	QPSK	3	0	16.79	16.78	16.80			
1.4	QPSK	3	1	16.81	16.91	16.83			
1.4	QPSK	3	16	16.72	16.74	16.81			
1.4	QPSK	6	0	17.84	17.88	17.78			



Band 26_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)				
				26765	26865	26965						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.48	18.48	18.53	20	0				
15	QPSK	1	37	18.68	18.78	18.69						
15	QPSK	1	74	18.88	18.93	18.84						
15	QPSK	36	0	17.72	17.68	17.67						
15	QPSK	36	20	17.74	17.83	17.74	19	1				
15	QPSK	36	39	17.70	17.58	17.71						
15	QPSK	75	0	17.75	17.77	17.76						
15	16QAM	1	0	17.82	17.90	17.94	19	1				
15	16QAM	1	37	18.04	17.86	18.00						
15	16QAM	1	74	17.92	17.69	17.90						
15	16QAM	36	0	16.84	16.76	16.72						
15	16QAM	36	20	16.73	16.64	16.73	18	2				
15	16QAM	36	39	16.62	16.60	16.68						
15	16QAM	75	0	16.73	16.67	16.84						
15	64QAM	1	0	16.72	16.84	16.82						
15	64QAM	1	37	16.91	16.91	16.98	18	2				
15	64QAM	1	74	16.77	16.77	16.89						
15	64QAM	36	0	15.74	15.86	15.80						
15	64QAM	36	39	15.70	15.70	15.74	17	3				
15	64QAM	36	20	15.70	15.85	15.71						
15	64QAM	75	0	15.78	15.70	15.77						
15	256QAM	1	0	13.96	14.06	13.99	15	5				
15	256QAM	1	37	14.04	14.03	13.97						
15	256QAM	1	74	14.10	14.17	14.10						
15	256QAM	36	0	13.98	13.98	13.91						
15	256QAM	36	20	13.96	14.05	13.97	15	5				
15	256QAM	36	39	13.96	14.00	13.92						
15	256QAM	75	0	13.96	13.96	13.88						
Channel												
Frequency (MHz)												
10	QPSK	1	0	81.9	83.1.5	84.1	limit (dBm)	MPR (dB)				
10	QPSK	1	25	18.56	18.53	18.65	20	0				
10	QPSK	1	49	18.80	18.42	18.62						
10	QPSK	25	0	17.55	17.72	17.61	19	1				
10	QPSK	25	25	17.47	17.58	17.61						
10	QPSK	50	0	17.68	17.73	17.75						
10	16QAM	1	0	17.88	17.73	17.75	19	1				
10	16QAM	1	25	17.92	17.76	17.91						
10	16QAM	1	49	17.76	17.76	17.91						
10	16QAM	25	0	16.54	16.70	16.56						
10	16QAM	25	12	16.73	16.57	16.70	18	2				
10	16QAM	50	0	16.56	16.53	16.70						
10	64QAM	1	0	16.57	16.75	16.69						
10	64QAM	1	25	16.81	16.62	17.90	18	2				
10	64QAM	1	49	16.99	16.78	16.79						
10	64QAM	25	0	15.69	15.85	15.68						
10	64QAM	25	12	15.75	15.57	15.59	17	3				
10	64QAM	25	25	15.55	15.57	15.69						
10	64QAM	50	0	15.59	15.67	15.69						
10	256QAM	1	0	13.96	13.96	13.88	15	5				
10	256QAM	1	25	13.79	13.78	13.80						
10	256QAM	1	49	13.96	14.04	13.95						
10	256QAM	25	0	13.86	13.86	13.82	15	5				
10	256QAM	25	25	13.85	13.87	13.81						
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.34	18.38	18.49	limit (dBm)	MPR (dB)				
3	QPSK	1	8	18.62	18.54	18.58	20	0				
3	QPSK	1	14	18.58	18.34	18.67						
3	QPSK	8	0	17.69	17.54	17.54						
3	QPSK	8	4	17.56	17.73	17.68	19	1				
3	QPSK	8	7	17.52	17.62	17.70						
3	QPSK	15	0	17.56	17.66	17.63						
3	16QAM	1	0	17.75	17.74	17.80	19	1				
3	16QAM	1	8	17.84	17.69	17.89						
3	16QAM	1	14	17.66	17.72	17.88						
3	16QAM	8	0	16.59	16.84	16.65						
3	16QAM	8	4	16.76	16.60	16.63	18	2				
3	16QAM	8	7	16.58	16.53	16.44						
3	16QAM	15	0	16.66	16.53	16.77						
3	64QAM	1	0	16.47	16.71	16.64						
3	64QAM	1	8	16.79	16.83	16.98	18	2				
3	64QAM	1	14	16.56	16.71	16.80						
3	64QAM	8	0	15.60	15.61	15.64						
3	64QAM	8	4	15.71	15.53	15.66	17	3				
3	64QAM	8	7	15.53	15.53	15.62						
3	64QAM	15	0	15.60	15.56	15.70						
3	256QAM	1	0	14.02	14.00	13.92	15	5				
3	256QAM	1	8	13.88	13.83	13.91						
3	256QAM	1	14	13.93	14.04	13.99						
3	256QAM	8	0	13.76	13.86	13.76						
3	256QAM	8	4	13.81	13.94	13.89	15	5				
3	256QAM	8	7	13.86	13.90	13.86						
3	256QAM	15	0	13.86	13.88	13.82						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.45	18.42	18.46	limit (dBm)	MPR (dB)				
1.4	QPSK	1	3	18.58	18.57	18.60	20	0				
1.4	QPSK	1	5	18.53	18.37	18.64						
1.4	QPSK	3	0	18.44	18.47	18.53						
1.4	QPSK	3	3	18.62	18.53	18.63						
1.4	QPSK	3	3	18.51	18.35	18.62						
1.4	QPSK	6	0	17.56	17.65	17.69	19	1				
1.4	16QAM	1	0	17.78	17.75	17.78						
1.4	16QAM	1	3	17.89	17.75	17.93						
1.4	16QAM	1	6	17.70	17.71	17.83	19	1				
1.4	16QAM	3	0	17.68	17.59	17.51						
1.4	16QAM	3	1	17.57	17.77	17.68						
1.4	16QAM	3	3	17.35	17.60	17.61	18	2				
1.4	16QAM	6	0	16.63	16.82	16.76						
1.4	64QAM	1	0	16.49	16.74	16.63						
1.4	64QAM	1	3	16.79	16.75	17.00						
1.4	64QAM	1	5	16.57	16.64	16.77	18	2				
1.4	64QAM	3	0	16.55	16.84	16.67						
1.4	64QAM	3	1	16.68	16.59	16.64						
1.4	64QAM	3	3	16.55	16.51	16.66						
1.4	64QAM	6	0	15.64	15.66	15.67	17	3				
1.4	256QAM	1	0	14.05	13.97	13.89						
1.4	256QAM	1	3	13.83	13.88	13.88						
1.4	256QAM	1	5	13.96	14.04	13.98	15	5				
1.4	256QAM	3	0	13.84	13.88	13.83						
1.4	256QAM	3	3	13.82	13.86	13.81						
1.4	256QAM	3	3	13.92	13.94	13.85						
1.4	256QAM	6	0	13.82	13.94	13.90	15	5				

Band 30_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)				
				27865	27910	27935						
Channel												
Frequency (MHz)												
10	QPSK	1	0	14.35			15	0				
10	QPSK	1	25	14.47								
10	QPSK	1	49	14.28								
10	QPSK	25	0	13.41								
10	QPSK	25	12	13.42			14	1				
10	QPSK	25	25	13.33								
10	QPSK	50	0	13.37								
10	16QAM	1	0	13.63			14	1				
10	16QAM	1	25	13.72								
10	16QAM	1	49	13.57								
10	16QAM	25	0	12.41								
10	16QAM	25	12	12.49			13	2				
10	16QAM	25	25	12.34								
10	16QAM	50	0	12.32								
10	64QAM	1	0	12.68								
10	64QAM	1	25	12.74			13	2				
10	64QAM	1	49	12.55								
10	64QAM	25	0	11.41								
10	64QAM	25	12	11.39			12	3				
10	64QAM	25	25	11.39								
10	64QAM	50	0	11.48								
10	256QAM	1	0	9.07			10	5				
10	256QAM	1	25	9.21								
10	256QAM	1	49	9.07								
10	256QAM	1	25	9.10								
10	256QAM	25	0	8.98								
10	256QAM	25	12	9.10			10	5				
10	256QAM	25	25	8.95								
10	256QAM	50	0	9.05								
Channel												
Frequency (MHz)												
5	QPSK	1	0	14.40	14.40	14.40	15	0				
5	QPSK	1	12	14.35	14.42	14.17						
5	QPSK	1	24	14.30	14.38	14.24						
5	QPSK	12	0	13.35	13.38	13.35						
5	QPSK	12	7	13.40	13.40	13.44	14	1				
5	QPSK	12	13	13.38	13.34	13.38						
5	16QAM	1	0	13.69	13.73	13.69	14	1				
5	16QAM	1	12	13.67	13.76	13.69						
5	16QAM	12	13	13.59	13.43	13.63						
5	16QAM	12	0	12.44	12.44	12.44	13	2				
5	16QAM	12	7	12.45	12.51	12.44						
5	16QAM	12	13	12.37	12.43	12.39						
5	16QAM	25	0	12.37	12.41	12.39						
5	64QAM	1	0	12.64	12.71	12.68						
5	64QAM	1	12	12.62	12.70	12.55	13	2				
5	64QAM	1	24	12.61	12.63	12.55</						



### Band 30\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Turn-up time (s)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	16.56				
10	QPSK	1	25	16.61			18	0
10	QPSK	1	49	16.66				
10	QPSK	25	0	15.48				
10	QPSK	25	12	15.66			17	1
10	QPSK	25	25	15.84				
10	QPSK	50	0	15.58				
10	16QAM	1	0	15.86			17	1
10	16QAM	1	25	16.03				
10	16QAM	1	49	15.74				
10	16QAM	25	0	14.64				
10	16QAM	25	12	14.57				
10	16QAM	25	25	14.57			16	2
10	16QAM	50	0	14.80				
10	64QAM	1	0	14.75				
10	64QAM	1	25	14.91			16	2
10	64QAM	1	49	14.71				
10	64QAM	25	0	13.57				
10	64QAM	25	12	13.49				
10	64QAM	25	25	13.51			15	3
10	256QAM	1	0	13.54				
10	256QAM	1	25	13.50				
10	256QAM	1	49	13.51			13	5
10	256QAM	1	25	11.41				
10	256QAM	25	0	11.26				
10	256QAM	25	25	11.40				
Channel								
				27685	27710	27735	100	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	16.44	16.45	16.49		
5	QPSK	1	12	16.47	16.57	16.49	18	0
5	QPSK	1	24	16.29	16.27	16.29		
5	QPSK	12	0	15.37	15.40	15.31		
5	QPSK	12	7	15.54	15.57	15.47	17	1
5	QPSK	12	13	15.43	15.52	15.45		
5	QPSK	25	0	15.44	15.45	15.39		
5	16QAM	1	0	15.88	15.78	15.86		
5	16QAM	1	12	15.94	15.94	15.99	17	1
5	16QAM	1	24	15.66	15.68	15.61		
5	16QAM	12	0	14.62	14.55	14.81		
5	16QAM	12	7	14.51	14.45	14.54	16	2
5	16QAM	12	13	14.37	14.39	14.41		
5	16QAM	25	0	14.53	14.51	14.50		
5	64QAM	1	0	14.69	14.61	14.60		
5	64QAM	1	12	14.72	14.76	14.74	16	2
5	64QAM	1	24	14.60	14.66	14.65		
5	64QAM	12	0	13.50	13.41	13.51		
5	64QAM	12	7	13.38	13.40	13.49	15	3
5	64QAM	12	13	13.38	13.40	13.35		
5	256QAM	1	0	13.43	13.34	13.46		
5	256QAM	1	12	11.28	11.31	11.35	13	5
5	256QAM	1	12	11.36	11.34	11.28		
5	256QAM	12	7	11.31	11.32	11.36		
5	256QAM	12	13	11.18	11.28	11.26	13	5
5	256QAM	25	0	11.33	11.31	11.24		

### Band 66\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Turn-up time (s)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.05	21.08	21.09		
20	QPSK	1	49	21.06	21.11	21.10	22	0
20	QPSK	1	99	21.07	21.17	21.11		
20	QPSK	50	0	20.03	20.09	20.07		
20	QPSK	50	24	20.05	20.11	20.08	21	1
20	QPSK	50	50	20.10	20.16	20.13		
20	QPSK	100	0	20.05	20.10	19.96		
20	16QAM	1	0	20.35	20.52	20.33	21	1
20	16QAM	1	49	20.36	20.52	20.35		
20	16QAM	1	99	20.21	20.24	20.26		
20	16QAM	50	0	18.14	18.05	18.10		
20	16QAM	50	24	18.09	18.08	18.06	20	2
20	16QAM	50	50	18.13	18.08	18.01		
20	16QAM	100	0	18.09	18.08	18.58		
20	16QAM	1	0	18.59	18.24	18.16		
20	16QAM	1	49	18.27	18.39	18.30	20	2
20	16QAM	1	99	18.06	18.01	18.14		
20	64QAM	50	0	18.06	18.07	18.10		
20	64QAM	50	24	18.08	18.08	18.01	19	3
20	64QAM	50	50	18.13	18.08	18.07		
20	16QAM	100	0	18.03	18.08	17.96		
20	256QAM	1	0	15.72	15.75	15.74	17	5
20	256QAM	1	49	15.88	15.80	15.84		
20	256QAM	1	99	15.84	15.77	15.79		
20	256QAM	1	24	15.72	15.75	15.75	17	5
20	256QAM	1	24	15.72	15.75	15.75		
20	256QAM	50	0	15.83	15.85	15.85		
20	256QAM	50	24	15.83	15.85	15.85		
20	256QAM	100	0	15.83	15.85	15.85		
Channel								
				15047	15072	15097	100	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	17.17	17.15	17.15		
15	QPSK	1	24	17.15	17.15	17.15	22	0
15	QPSK	1	37	20.94	21.00	20.99		
15	QPSK	1	74	20.82	20.73	20.83		
15	QPSK	36	0	19.08	19.03	19.07		
15	QPSK	36	20	19.20	19.25	19.23	21	1
15	QPSK	36	39	18.94	18.84	18.94		
15	QPSK	75	0	18.05	18.06	18.05		
15	16QAM	1	0	20.22	20.36	20.26		
15	16QAM	1	37	20.11	20.24	20.21	21	1
15	16QAM	1	74	20.06	20.12	20.12		
15	16QAM	36	0	19.05	19.01	19.07		
15	16QAM	36	20	18.97	18.94	18.97	20	2
15	16QAM	36	39	18.94	18.91	18.90		
15	16QAM	75	0	18.07	18.06	18.17		
15	16QAM	1	0	19.25	19.18	19.17		
15	16QAM	1	37	19.04	19.02	19.11	20	2
15	16QAM	1	74	18.99	18.99	19.08		
15	16QAM	36	0	18.03	18.06	17.89		
15	16QAM	36	20	18.08	17.95	17.89	19	3
15	16QAM	36	39	17.92	17.88	17.76		
15	16QAM	75	0	18.05	18.02	17.87		
15	256QAM	1	0	15.59	15.79	15.58		
15	256QAM	1	37	15.62	15.78	15.62	17	5
15	256QAM	1	74	15.70	15.77	15.70		
15	256QAM	36	0	15.67	15.67	15.62		
15	256QAM	36	20	15.72	15.70	15.63	17	5
15	256QAM	36	39	15.73	15.70	15.73		
15	256QAM	75	0	15.69	15.82	15.80		
Channel								
				15047	15072	15097	100	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	20.93	20.87	20.89		
10	QPSK	1	24	20.92	20.98	20.99	22	0
10	QPSK	1	49	20.81	20.66	20.82		
10	QPSK	25	0	19.91	19.88	19.89		
10	QPSK	25	12	19.92	19.96	19.99	21	1
10	QPSK	25	25	19.86	19.92	19.93		
10	QPSK	50	0	19.62	20.05	19.91		
10	16QAM	1	0	20.27	20.45	20.27		
10	16QAM	1	25	20.15	20.30	20.14	21	1
10	16QAM	1	49	20.13	20.12	20.11		
10	16QAM	25	0	18.11	18.02	18.08		
10	16QAM	25	12	18.09	18.06	18.00	20	2
10	16QAM	25	25	18.03	18.03	18.00		
10	16QAM	50	0	18.98	18.99	18.96		
10	16QAM	1	0	18.19	18.16	18.15		
10	16QAM	1	25	18.07	18.13	18.23	20	2
10	16QAM	1	49	18.00	18.91	18.08		
10	16QAM	25	0	17.96	18.03	18.01		
10	16QAM	25	12	18.05	17.94	17.84	19	3
10	16QAM	25	25	17.96	18.03	18.01		
10	16QAM	50	0	17.85	17.86	17.86		
10	256QAM	1	0	15.58	15.72	15.64		
10	256QAM	1	25	15.86	15.91	15.85	17	5
10	256QAM	1	49	15.83	15.82	15.81		
10	256QAM	25	0	15.66	15.62	15.58		
10	256QAM	25	12	15.68	15.72	15.58	17	5
10	256QAM	25	25	15.63	15.67	15.68		
10	256QAM	50	0	15.65	15.82	15.84		
Channel								
				19199	19222	19247	100	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	20.92	20.91	20.99		
5	QPSK	1	12	20.88	20.92	20.94	22	0
5	QPSK	1	24	20.81	20.86	20.87		
5	QPSK	12	0	19.86	19.88	19.85		
5	QPSK	12	7	19.86	19.88	19.85	21	1
5	QPSK	12	13	19.94	19.91	19.94		
5	16QAM	1	0	19.98	20.01	19.96		
5	16QAM	1	12	20.24	20.35	20.25	21	1
5	16QAM	1	12	20.27	20.28	20.10		
5	16QAM	1	24	20.07	20.20	20.07		
5	16QAM	12	0	19.02	18.95	18.96		
5	16QAM	12	7	18.98	18.96	18.88	20	2
5	16QAM	12	13	18.91	18.97	18.94		
5	16QAM	25	0	18.00	18.04	18.02		
5	64QAM	1	0	18.22	18.19	18.18		
5	64QAM	1	12	18.07	18.22	18.26	20	2
5	64QAM	1	24	18.03	18.95	18.10		
5	64QAM	12	0	17.95	18.00	17.91		
5	64QAM	12	7	18.04	18.03	17.82		
5	64QAM	12	13	17.96	17.94	17.97	19	3
5	64QAM	25	0	18.04	18.03	17.92		
5	64QAM	25	12	18.02	18.00	18.06		
5	256QAM	1	12	15.83	15.95	15.94	17	5
5	256QAM	1	24	15.86	15.			



### Band 66\_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.15	18.35	18.12		
20	QPSK	1	49	18.16	18.36	18.26	19.5	0
20	QPSK	50	0	18.14	18.34	18.08		
20	QPSK	50	0	17.32	17.32	17.23		
20	QPSK	50	24	17.34	17.43	17.26	18.5	1
20	QPSK	50	50	17.30	17.31	17.18		
20	QPSK	100	0	17.32	17.37	17.23		
20	16QAM	1	0	17.89	17.51	17.50		
20	16QAM	1	49	17.85	17.53	17.42	18.5	1
20	16QAM	1	99	17.40	17.45	17.41		
20	16QAM	50	0	16.27	16.36	16.11		
20	16QAM	50	24	16.33	16.33	16.19		
20	16QAM	50	50	16.22	16.16	16.09	17.5	2
20	16QAM	100	0	16.29	16.30	16.09		
20	64QAM	1	0	16.47	16.50	16.40		
20	64QAM	1	49	16.50	16.50	16.36	17.5	2
20	64QAM	1	99	16.24	16.39	16.19		
20	64QAM	50	0	15.25	15.34	15.17		
20	64QAM	50	24	15.30	15.30	15.22		
20	64QAM	50	50	15.20	15.31	15.26	16.5	3
20	256QAM	1	0	15.20	15.36	15.16		
20	256QAM	1	49	15.23	15.37	15.08		
20	256QAM	1	99	15.47	15.17	15.22	14.5	5
20	256QAM	1	249	15.33	15.27	15.10		
20	256QAM	1	349	15.33	15.26	15.09		
20	256QAM	50	24	15.34	15.30	15.16		
20	256QAM	50	50	15.21	15.25	15.10		
20	256QAM	100	0	15.23	15.33	15.15		
Channel								
Frequency (MHz)								
15	QPSK	1	0	17.01	17.01	17.01		
15	QPSK	1	37	18.03	18.31	18.19	19.5	0
15	QPSK	1	74	17.91	18.01	18.02		
15	QPSK	36	0	17.38	17.38	17.18		
15	QPSK	36	20	17.30	17.28	17.19	18.5	1
15	QPSK	36	39	17.15	17.13	17.11		
15	QPSK	36	58	17.19	17.12	17.12		
15	16QAM	1	0	17.42	17.38	17.48		
15	16QAM	1	37	17.55	17.32	17.32	18.5	1
15	16QAM	1	74	17.42	17.42	17.42		
15	16QAM	36	0	16.23	16.24	15.98		
15	16QAM	36	20	16.27	16.27	16.07	17.5	2
15	16QAM	36	39	16.15	16.05	15.99		
15	16QAM	36	58	16.15	16.19	16.03		
15	64QAM	1	0	16.27	16.35	16.29		
15	64QAM	1	37	16.40	16.43	16.44	17.5	2
15	64QAM	1	74	16.11	16.32	16.06		
15	64QAM	36	0	15.05	15.25	15.00		
15	64QAM	36	20	15.10	15.16	15.13	16.5	3
15	64QAM	36	39	15.10	15.28	15.17		
15	64QAM	36	58	15.15	15.27	15.00		
15	256QAM	1	0	13.05	13.01	12.94	14.5	5
15	256QAM	1	37	13.17	13.17	13.08		
15	256QAM	1	74	13.23	13.07	13.02		
15	256QAM	36	20	13.02	13.07	13.16		
15	256QAM	36	39	13.17	13.18	13.10		
15	256QAM	36	58	13.14	13.18	12.97	14.5	5
15	256QAM	75	0	13.16	12.94	12.95		
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.02	18.18	17.97		
10	QPSK	1	49	18.03	18.11	18.11	19.5	0
10	QPSK	1	99	17.86	17.97	18.09		
10	QPSK	25	0	17.99	17.24	17.11		
10	QPSK	25	12	17.30	17.19	17.19		
10	QPSK	25	25	17.18	17.08	17.09	18.5	1
10	QPSK	50	0	17.14	17.20	17.09		
10	16QAM	1	0	17.57	17.35	17.31	18.5	1
10	16QAM	1	49	17.26	17.38	17.32		
10	16QAM	25	0	16.27	16.26	16.04		
10	16QAM	25	12	16.29	16.19	16.02	17.5	2
10	16QAM	25	25	16.19	16.06	16.06		
10	64QAM	1	0	16.13	16.25	16.00		
10	64QAM	1	49	16.14	16.40	16.41	17.5	2
10	64QAM	25	0	15.08	15.28	15.06		
10	64QAM	25	12	15.08	15.17	15.09	16.5	3
10	64QAM	25	25	15.24	15.17	15.14		
10	64QAM	50	0	15.03	15.26	15.04		
10	256QAM	1	0	13.06	13.00	13.03	14.5	5
10	256QAM	1	25	13.30	13.09	13.03		
10	256QAM	1	49	13.22	13.12	12.97		
10	256QAM	25	0	13.08	13.09	13.10		
10	256QAM	25	12	13.22	13.03	13.10	14.5	5
10	256QAM	25	25	13.08	13.12	13.08		
10	256QAM	50	0	13.20	12.93	12.99		
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.03	18.26	18.04		
5	QPSK	1	12	18.07	18.31	18.13	19.5	0
5	QPSK	1	24	17.92	17.98	17.98		
5	QPSK	12	0	17.11	17.17	17.17		
5	QPSK	12	7	17.27	17.27	17.14	18.5	1
5	QPSK	12	14	17.18	17.29	17.18		
5	QPSK	25	0	17.13	17.18	17.17		
5	16QAM	1	0	17.41	17.40	17.45		
5	16QAM	1	12	17.50	17.39	17.39	18.5	1
5	16QAM	1	24	17.37	17.38	17.31		
5	16QAM	12	0	16.28	16.29	15.99		
5	16QAM	12	7	16.28	16.23	16.12	17.5	2
5	16QAM	12	14	16.25	16.11	16.06		
5	64QAM	1	0	16.18	16.25	15.98		
5	64QAM	1	12	16.32	16.32	16.48	17.5	2
5	64QAM	1	24	16.14	16.22	16.10		
5	64QAM	12	0	15.07	15.26	15.05		
5	64QAM	12	7	15.12	15.26	15.12	16.5	3
5	64QAM	12	14	15.23	15.15	15.12		
5	256QAM	1	0	13.09	13.03	13.03	14.5	5
5	256QAM	1	12	13.35	13.06	13.05		
5	256QAM	1	24	13.23	13.15	13.03		
5	256QAM	12	0	13.03	13.16	13.11	14.5	5
5	256QAM	12	7	13.17	13.12	13.09		
5	256QAM	12	14	13.07	13.11	12.96		
5	256QAM	25	0	13.22	12.98	13.09		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18.04	18.19	18.04		
1.4	QPSK	1	8	18.10	18.26	18.16	19.5	0
1.4	QPSK	1	16	17.92	18.02	18.02		
1.4	QPSK	3	0	18.08	18.24	18.07		
1.4	QPSK	3	7	17.99	18.06	18.14	18.5	1
1.4	QPSK	3	14	17.86	18.06	18.05		
1.4	QPSK	6	0	17.14	17.17	17.16		
1.4	16QAM	1	0	17.40	17.37	17.41		
1.4	16QAM	1	8	17.54	17.31	17.34	18.5	1
1.4	16QAM	1	16	17.30	17.33	17.24		
1.4	16QAM	3	0	17.16	17.14	17.17		
1.4	16QAM	3	7	17.26	17.26	17.18	18.5	1
1.4	16QAM	3	14	17.24	17.11	17.11		
1.4	16QAM	6	0	16.12	16.23	15.92	17.5	2
1.4	16QAM	6	8	16.12	16.33	16.30		
1.4	64QAM	1	0	16.41	16.40	16.48		
1.4	64QAM	1	5	16.12	16.22	16.04	17.5	2
1.4	64QAM	3	0	16.22	16.32	16.03		
1.4	64QAM	3	1	16.26	16.21	16.12		
1.4	64QAM	3	3	16.19	16.03	16.01	16.5	3
1.4	64QAM	6	0	15.05	15.19	15.02		
1.4	256QAM	1	0	13.14	13.07	13.03	14.5	5
1.4	256QAM	1	3	13.33	13.16	13.10		
1.4	256QAM	1	6	13.25	13.12	12.96		
1.4	256QAM	3	0	13.07	13.14	13.11	14.5	5
1.4	256QAM	3	1	13.15	13.07	13.07		
1.4	256QAM	3	3	13.12	13.17	13.00		
1.4	256QAM	6	0	13.13	13.03	13.00	14.5	5

### Band 71\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.71	21.83	21.62		
20	QPSK	1	49	21.70	21.91	21.83	23	0
20	QPSK	1	99	21.66	21.74	21.68		
20								





n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midls Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			1890	1890	1900		
20	Pi2 BPSK	1	1	20.20	20.11	19.90	21.0	0.0
20	Pi2 BPSK	1	53	19.94	20.14	19.90	21.0	0.0
20	Pi2 BPSK	1	104	19.69	20.00	20.00	21.0	0.0
20	Pi2 BPSK	50	0	20.00	19.96	20.00	21.0	0.0
20	Pi2 BPSK	50	28	19.97	20.07	19.84	21.0	0.0
20	Pi2 BPSK	50	56	19.96	19.90	19.88	21.0	0.0
20	Pi2 BPSK	100	0	19.97	20.00	19.94	21.0	0.0
20	QPSK	1	1	19.20	19.20	19.24		
20	QPSK	1	53	19.76	19.81	19.86	21.0	0.0
20	QPSK	1	104	19.94	20.00	19.90	21.0	0.0
20	QPSK	50	0	19.74	19.88	19.92	21.0	0.0
20	QPSK	50	28	20.00	20.00	19.95	21.0	0.0
20	QPSK	50	56	19.90	20.00	19.81	21.0	0.0
20	QPSK	100	0	19.90	19.96	19.77	21.0	0.0
20	16QAM	1	1	19.84	19.90	19.87	21.0	0.0
20	16QAM	1	1	19.87	20.00	19.90	21.0	0.0
20	256QAM	1	1	19.21	19.28	19.26	20.5	0.5
Channel								
	Frequency (MHz)			1971.0	1971.0	1970.0		
15	QPSK	1	1	1971.5	1980	1992.5	19.5	0.0
15	QPSK	1	1	20.12	20.07	20.07	21.0	0.0
Channel								
	Frequency (MHz)			1950.0	1950.0	1950.0		
10	QPSK	1	1	1950	1950	1950	21.0	0.0
Channel								
	Frequency (MHz)			1905.0	1905.0	1905.0		
5	QPSK	1	1	1902.5	1900	1907.5	21.0	0.0

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midls Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			37500	37600	38000		
20	Pi2 BPSK	1	1	12.20	12.25	12.21	13.5	0.0
20	Pi2 BPSK	1	53	12.20	12.47	12.23	13.5	0.0
20	Pi2 BPSK	1	104	12.28	12.23	12.23	13.5	0.0
20	Pi2 BPSK	50	0	12.37	12.21	12.30	13.5	0.0
20	Pi2 BPSK	50	28	12.18	12.38	12.16	13.5	0.0
20	Pi2 BPSK	50	56	12.12	12.27	12.28	13.5	0.0
20	Pi2 BPSK	100	0	12.33	12.34	12.27	13.5	0.0
20	QPSK	1	1	12.34	12.33	12.27		
20	QPSK	1	53	12.01	12.13	12.20	13.5	0.0
20	QPSK	1	104	12.32	12.44	12.24	13.5	0.0
20	QPSK	50	0	12.02	12.25	12.12	13.5	0.0
20	QPSK	50	28	12.29	12.30	12.28	13.5	0.0
20	QPSK	50	56	12.28	12.28	12.23	13.5	0.0
20	QPSK	100	0	12.26	12.27	12.09	13.5	0.0
20	16QAM	1	1	12.18	12.24	12.17	13.5	0.0
20	16QAM	1	1	12.18	12.25	12.21	13.5	0.0
20	256QAM	1	1	12.38	12.38	12.28	13.5	0.0
Channel								
	Frequency (MHz)			37500	37600	38000		
15	QPSK	1	1	167.5	180	1902.5	19.5	0.0
Channel								
	Frequency (MHz)			1950	1950	1950		
10	QPSK	1	1	193.5	192.5	192.5	13.5	0.0
Channel								
	Frequency (MHz)			37050	37050	38100		
5	QPSK	1	1	3702.5	3700	3707.5	13.5	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midls Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			16600	16700	16900		
20	Pi2 BPSK	1	1	21.48	21.56	21.52	23.0	0.0
20	Pi2 BPSK	1	53	21.54	21.51	21.50	23.0	0.0
20	Pi2 BPSK	1	104	21.60	21.70	21.64	23.0	0.0
20	Pi2 BPSK	50	0	21.50	21.54	21.58	23.0	0.0
20	Pi2 BPSK	50	28	21.31	21.48	21.41	23.0	0.0
20	Pi2 BPSK	50	56	21.28	21.43	21.51	23.0	0.0
20	Pi2 BPSK	100	0	21.48	21.57	21.51	23.0	0.0
20	QPSK	1	1	21.60	21.71	21.65		
20	QPSK	1	53	21.37	21.58	21.58	23.0	0.0
20	QPSK	1	104	21.58	21.70	21.65	23.0	0.0
20	QPSK	50	0	21.38	21.51	21.44	23.0	0.0
20	QPSK	50	28	21.38	21.67	21.60	23.0	0.0
20	QPSK	50	56	21.55	21.63	21.60	23.0	0.0
20	QPSK	100	0	21.44	21.54	21.58	23.0	0.0
20	16QAM	1	1	21.35	21.52	21.53	23.0	0.0
20	16QAM	1	1	21.33	21.59	21.68	23.0	0.0
20	256QAM	1	1	20.09	20.09	20.00	21.5	1.5
Channel								
	Frequency (MHz)			16500	16500	16500		
15	QPSK	1	1	161.5	161.5	161.5	23.0	0.0
Channel								
	Frequency (MHz)			1630	1630	1630		
10	QPSK	1	1	161.5	161.5	161.5	23.0	0.0
Channel								
	Frequency (MHz)			16500	16700	16900		
5	QPSK	1	1	21.54	21.58	21.57	23.0	0.0



n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			166600	167500	167900		
20	PV2 BPSK	1	1	18.52	18.64	18.83	20.0	0.0
20	PV2 BPSK	1	53	18.58	18.55	18.63	20.0	0.0
20	PV2 BPSK	1	104	18.62	18.84	18.72	20.0	0.0
20	PV2 BPSK	50	0	18.62	18.65	18.64	20.0	0.0
20	PV2 BPSK	50	28	18.42	18.54	18.55	20.0	0.0
20	PV2 BPSK	50	55	18.45	18.50	18.57	20.0	0.0
20	PV2 BPSK	100	0	18.50	18.67	18.84	20.0	0.0
20	QPSK	1	1	18.68	18.69	18.72	20.0	0.0
20	QPSK	1	53	18.47	18.60	18.69	20.0	0.0
20	QPSK	1	104	18.64	18.84	18.78	20.0	0.0
20	QPSK	50	0	18.51	18.58	18.51	20.0	0.0
20	QPSK	50	28	18.53	18.78	18.74	20.0	0.0
20	QPSK	50	55	18.68	18.72	18.64	20.0	0.0
20	QPSK	100	0	18.50	18.69	18.62	20.0	0.0
20	16QAM	1	1	18.40	18.88	18.84	20.0	0.0
20	16QAM	1	1	18.61	18.65	18.90	20.0	0.0
20	256QAM	1	1	18.59	18.63	18.61	20.0	0.0
Channel								
	Frequency (MHz)			166500	167500	169500		
15	QPSK	1	1	18.43	18.45	18.51	20.0	0.0
Channel								
	Frequency (MHz)			16500	16500	16600		
10	QPSK	1	1	18.41	18.48	18.45	20.0	0.0
Channel								
	Frequency (MHz)			166500	167500	169500		
5	QPSK	1	1	18.47	18.50	18.51	20.0	0.0

n12_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			141500	141600	141700		
15	PV2 BPSK	1	1	21.50	21.51	21.52	23.0	0.0
15	PV2 BPSK	1	40	21.47	21.55	21.55	23.0	0.0
15	PV2 BPSK	1	77	21.43	21.45	21.45	23.0	0.0
15	PV2 BPSK	36	0	21.48	21.44	21.58	23.0	0.0
15	PV2 BPSK	36	22	21.27	21.37	21.38	23.0	0.0
15	PV2 BPSK	36	43	21.33	21.47	21.48	23.0	0.0
15	PV2 BPSK	75	0	21.53	21.53	21.45	23.0	0.0
15	QPSK	1	1	21.41	21.48	21.45	23.0	0.0
15	QPSK	1	40	21.54	21.43	21.45	23.0	0.0
15	QPSK	1	77	21.52	21.54	21.43	23.0	0.0
15	QPSK	36	0	21.33	21.45	21.52	23.0	0.0
15	QPSK	36	22	21.44	21.51	21.51	23.0	0.0
15	QPSK	36	43	21.43	21.43	21.43	23.0	0.0
15	QPSK	75	0	21.45	21.47	21.48	23.0	0.0
15	16QAM	1	1	21.50	21.42	21.40	23.0	0.0
15	16QAM	1	1	21.44	21.48	21.49	23.0	0.0
15	256QAM	1	1	19.89	19.90	19.78	21.5	1.5
Channel								
	Frequency (MHz)			141500	141700	142000		
10	QPSK	1	1	21.37	21.45	21.47	23.0	0.0
Channel								
	Frequency (MHz)			140500	141000	142000		
5	QPSK	1	1	21.49	21.51	21.45	23.0	0.0

n12_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
	Frequency (MHz)			141500	141600	141700		
15	PV2 BPSK	1	1	19.58	19.51	19.52	21.0	0.0
15	PV2 BPSK	1	40	19.47	19.55	19.55	21.0	0.0
15	PV2 BPSK	1	77	19.43	19.55	19.49	21.0	0.0
15	PV2 BPSK	36	0	19.48	19.44	19.58	21.0	0.0
15	PV2 BPSK	36	22	19.27	19.37	19.38	21.0	0.0
15	PV2 BPSK	36	43	19.33	19.47	19.48	21.0	0.0
15	PV2 BPSK	75	0	19.53	19.53	19.45	21.0	0.0
15	QPSK	1	1	19.41	19.50	19.46	21.0	0.0
15	QPSK	1	40	19.54	19.43	19.45	21.0	0.0
15	QPSK	1	77	19.52	19.54	19.43	21.0	0.0
15	QPSK	36	0	19.33	19.45	19.52	21.0	0.0
15	QPSK	36	22	19.44	19.51	19.51	21.0	0.0
15	QPSK	36	43	19.43	19.51	19.50	21.0	0.0
15	QPSK	75	0	19.45	19.47	19.48	21.0	0.0
15	16QAM	1	1	19.39	19.42	19.40	21.0	0.0
15	16QAM	1	1	19.44	19.48	19.49	21.0	0.0
15	256QAM	1	1	19.29	19.43	19.31	21.0	0.0
Channel								
	Frequency (MHz)			141500	141600	142000		
10	QPSK	1	1	19.37	19.45	19.47	21.0	0.0
Channel								
	Frequency (MHz)			140500	141000	142000		
5	QPSK	1	1	19.48	19.51	19.45	21.0	0.0



n25_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
Frequency (MHz)				1810	1812	1816		
40	PV2 BPSK	1	1	18.43	18.52	18.58	20.0	0.0
40	PV2 BPSK	1	108	18.41	18.43	18.46	20.0	0.0
40	PV2 BPSK	1	214	18.45	18.46	18.49		
40	PV2 BPSK	108	0	18.36	18.53	18.47	20.0	0.0
40	PV2 BPSK	108	54	18.52	18.34	18.29	20.0	0.0
40	PV2 BPSK	108	108	18.38	18.30	18.37	20.0	0.0
40	PV2 BPSK	216	0	18.38	18.45	18.47	20.0	0.0
40	QPSK	1	1	18.44	18.51	18.47		
40	QPSK	1	108	18.34	18.31	18.41	20.0	0.0
40	QPSK	1	214	18.14	18.81	18.38		
40	QPSK	108	0	18.27	18.37	18.37	20.0	0.0
40	QPSK	108	54	18.52	18.47	18.48	20.0	0.0
40	QPSK	108	108	18.28	18.46	18.46	20.0	0.0
40	QPSK	216	0	18.46	18.55	18.54		
40	16QAM	1	1	18.53	18.31	18.38	20.0	0.0
40	16QAM	1	1	18.27	18.30	18.43	20.0	0.0
40	256QAM	1	1	18.65	18.67	18.69	18.5	1.5
Channel								
Frequency (MHz)				1850	1852	1900		
30	QPSK	1	1	18.83	18.47	18.50	20.0	0.0
Channel								
Frequency (MHz)				1920	1920	1920		
26	QPSK	1	1	18.38	18.47	18.46	20.0	0.0
Channel								
Frequency (MHz)				19500	19500	18100		
20	QPSK	1	1	18.30	18.45	18.53	20.0	0.0
Channel								
Frequency (MHz)				197500	197600	181500		
16	QPSK	1	1	18.37	18.47	18.45	20.0	0.0
Channel								
Frequency (MHz)				197500	197600	182000		
16	QPSK	1	1	18.33	18.52	18.47	20.0	0.0
Channel								
Frequency (MHz)				1892.0	1892.0	1812.0		
3	QPSK	1	1	18.37	18.54	18.50	20.0	0.0

n30_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
Frequency (MHz)				2110				
10	PV2 BPSK	1	1	14.00				
10	PV2 BPSK	1	26	13.78			15.0	0.0
10	PV2 BPSK	1	50	13.23				
10	PV2 BPSK	25	0	13.69			15.0	0.0
10	PV2 BPSK	25	14	13.72			15.0	0.0
10	PV2 BPSK	25	27	13.87			15.0	0.0
10	PV2 BPSK	50	0	13.85				
10	QPSK	1	1	14.03				
10	QPSK	1	26	13.75			15.0	0.0
10	QPSK	1	50	13.83				
10	QPSK	25	0	13.68			15.0	0.0
10	QPSK	25	14	13.69			15.0	0.0
10	QPSK	25	27	13.83			15.0	0.0
10	QPSK	50	0	14.01				
10	16QAM	1	1	13.76			15.0	0.0
10	16QAM	1	1	13.69			15.0	0.0
10	256QAM	1	1	13.59			15.0	0.0
Channel								
Frequency (MHz)				46200	46200	46200		
5	QPSK	1	1	207.5	210	212.5	15.0	0.0
Channel								
Frequency (MHz)				46200	46200	46200		
5	QPSK	1	1	13.88	13.72	13.82	15.0	0.0

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. Freq.	Midst Ch. F. Freq.	High Ch. F. Freq.		
Channel								
Frequency (MHz)				2110				
10	PV2 BPSK	1	1	14.00				
10	PV2 BPSK	1	26	13.78			13.0	0.0
10	PV2 BPSK	1	50	13.72				
10	PV2 BPSK	25	0	13.69			13.0	0.0
10	PV2 BPSK	25	14	13.72			13.0	0.0
10	PV2 BPSK	25	27	13.87			13.0	0.0
10	PV2 BPSK	50	0	13.85				
10	QPSK	1	1	14.03				
10	QPSK	1	26	13.75			13.0	0.0
10	QPSK	1	50	13.83				
10	QPSK	25	0	13.68			13.0	0.0
10	QPSK	25	14	13.69			13.0	0.0
10	QPSK	25	27	13.83			13.0	0.0
10	QPSK	50	0	14.01				
10	16QAM	1	1	13.76			13.0	0.0
10	16QAM	1	1	13.69			13.0	0.0
10	256QAM	1	1	13.59			13.0	0.0
Channel								
Frequency (MHz)				46200	46200	46200		
5	QPSK	1	1	13.88	13.75	13.82	13.0	0.0



### n30\_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				2910				
10	PV2 BPSK	1	1	15.74	15.74	15.74	17.5	0.0
10	PV2 BPSK	1	26	15.76	15.76	15.76		
10	PV2 BPSK	1	50	15.78	15.78	15.78		
10	PV2 BPSK	25	0	15.84	15.84	15.84	17.5	0.0
10	PV2 BPSK	25	14	15.71	15.71	15.71	17.5	0.0
10	PV2 BPSK	25	27	15.79	15.79	15.79	17.5	0.0
10	PV2 BPSK	50	0	15.81	15.81	15.81	17.5	0.0
10	QPSK	1	1	15.79	15.79	15.79		
10	QPSK	1	26	15.73	15.73	15.73	17.5	0.0
10	QPSK	1	50	15.82	15.82	15.82		
10	QPSK	25	0	15.72	15.72	15.72	17.5	0.0
10	QPSK	25	14	15.80	15.80	15.80	17.5	0.0
10	QPSK	25	27	15.75	15.75	15.75	17.5	0.0
10	QPSK	50	0	15.78	15.78	15.78	17.5	0.0
10	16QAM	1	1	15.76	15.76	15.76	17.5	0.0
10	16QAM	1	1	15.81	15.81	15.81	17.5	0.0
10	256QAM	1	1	14.13	14.13	14.13	17.5	0.0
Channel								
Frequency (MHz)				2907.5	2910	2912.5	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	1	15.74	15.72	15.67	17.5	0.0

### n66\_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				1700	1745	1790		
40	PV2 BPSK	1	1	21.22	21.22	21.22	22.0	0.0
40	PV2 BPSK	1	168	21.34	21.45	21.43		
40	PV2 BPSK	1	244	21.40	21.21	21.45		
40	PV2 BPSK	168	0	21.59	21.42	21.52	22.0	0.0
40	PV2 BPSK	168	54	21.33	21.38	21.27	22.0	0.0
40	PV2 BPSK	168	168	21.31	21.44	21.38	22.0	0.0
40	PV2 BPSK	216	0	21.48	21.45	21.44	22.0	0.0
40	QPSK	1	1	21.23	21.45	21.21		
40	QPSK	1	168	21.25	21.59	21.27	22.0	0.0
40	QPSK	1	214	21.42	21.43	21.50		
40	QPSK	168	0	21.27	21.48	21.38	22.0	0.0
40	QPSK	168	54	21.41	21.47	21.46	22.0	0.0
40	QPSK	168	168	21.40	21.45	21.44	22.0	0.0
40	QPSK	216	0	21.44	21.54	21.55	22.0	0.0
40	16QAM	1	1	21.22	21.38	21.35	22.0	0.0
40	16QAM	1	1	21.40	21.40	21.31	22.0	0.0
40	256QAM	1	1	19.73	19.79	19.88	20.5	1.5
Channel								
Frequency (MHz)				1725	1745	1765	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.38	21.55	21.44	22.0	0.0
Channel				1840.0	1850.0	1860.0	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.23	17.45	17.23	17.5	0.0
Channel				3440.0	3490.0	3540.0	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1745	1790	Turn-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.12	21.54	21.43	22.0	0.0
Channel				3435.0	3490.0	3545.0	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.59	21.48	21.43	22.0	0.0
Channel				3430.0	3490.0	3500.0	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.30	21.49	21.39	22.0	0.0
Channel				3420.0	3490.0	3500.0	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Turn-up limit (dBm)	MPR (dB)
1	QPSK	1	1	21.38	21.43	21.46	22.0	0.0

### n66\_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	14.25	14.43	14.39		
40	PV2 BPSK	1	168	14.43	14.21	14.48	15.0	0.0
40	PV2 BPSK	1	214	14.51	14.54	14.50		
40	PV2 BPSK	168	0	14.54	14.54	14.62	15.0	0.0
40	PV2 BPSK	168	54	14.41	14.52	14.34	15.0	0.0
40	PV2 BPSK	168	168	14.38	14.58	14.48	15.0	0.0
40	PV2 BPSK	216	0	14.51	14.55	14.59	15.0	0.0
40	QPSK	1	1	14.47	14.70	14.50		
40	QPSK	1	168	14.35	14.47	14.39	15.0	0.0
40	QPSK	1	214	14.50	14.58	14.55		
40	QPSK	168	0	14.34	14.50	14.42	15.0	0.0
40	QPSK	168	54	14.48	14.80	14.59	15.0	0.0
40	QPSK	168	168	14.47	14.51	14.56	15.0	0.0
40	QPSK	216	0	14.52	14.68	14.46	15.0	0.0
40	16QAM	1	1	14.27	14.50	14.50	15.0	0.0
40	16QAM	1	1	14.55	14.48	14.35	15.0	0.0
40	256QAM	1	1	14.17	14.38	14.20	15.0	0.0
Channel								
Frequency (MHz)				1735	1745	1765	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.30	14.45	14.34	15.0	0.0
Channel				3485.0	3490.0	3500.0	Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.23	17.45	17.23	17.5	0.0
Channel				3480.0	3490.0	3490.0	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.30	14.43	14.43	15.0	0.0
Channel				3435.0	3490.0	3495.0	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	14.37	14.50	14.34	15.0	0.0
Channel				3430.0	3490.0	3500.0	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	14.30	14.50	14.36	15.0	0.0
Channel				3425.0	3490.0	3495.0	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Turn-up limit (dBm)	MPR (dB)
1	QPSK	1	1	14.31	14.43	14.34	15.0	0.0



n66_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidCh. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	345000	345000		
Frequency (MHz)				1710	1745	1770		
40	PVC BPSK	1	1	19.58	19.58	19.58		
40	PVC BPSK	1	168	19.81	19.92	19.88	21.5	0.0
40	PVC BPSK	1	244	19.91	19.98	19.95		
40	PVC BPSK	168	0	19.87	19.88	19.79	21.5	0.0
40	PVC BPSK	168	54	19.74	19.88	19.79	21.5	0.0
40	PVC BPSK	168	168	19.79	19.88	19.84	21.5	0.0
40	PVC BPSK	216	0	19.88	19.85	19.90		
40	QPSK	1	1	19.89	19.95	19.84		
40	QPSK	1	168	19.76	19.88	19.73	21.5	0.0
40	QPSK	1	214	19.81	19.85	19.83		
40	QPSK	168	0	19.72	19.79	19.81	21.5	0.0
40	QPSK	168	54	19.87	19.95	19.84	21.5	0.0
40	QPSK	168	168	19.89	19.91	19.83	21.5	0.0
40	QPSK	216	0	19.89	19.89	19.89		
40	BQAM	1	1	19.74	19.84	19.88	21.5	0.0
40	BQAM	1	1	19.84	19.90	19.88	21.5	0.0
40	25QAM	1	1	18.20	18.28	18.11	20.0	1.5
Channel				350000	350000	350000		
Frequency (MHz)				1745	1745	1745		
50	QPSK	1	1	19.87	19.87	19.88	21.5	0.0
Channel				345000	345000	345000		
Frequency (MHz)				1722.5	1745	1737.5		
35	QPSK	1	1	19.79	19.85	19.85	21.5	0.0
Channel				344000	345000	346000		
Frequency (MHz)				1710	1745	1770		
50	QPSK	1	1	19.84	19.85	19.78	21.5	0.0
Channel				343500	345000	345500		
Frequency (MHz)				1722.5	1745	1727.5		
15	QPSK	1	1	19.94	19.98	19.98	21.5	0.0
Channel				343000	345000	345000		
Frequency (MHz)				1745	1745	1745		
10	QPSK	1	1	19.99	20.01	19.98	21.5	0.0
Channel				342000	345000	345000		
Frequency (MHz)				1712.5	1745	1777.5		
1	QPSK	1	1	19.94	19.98	19.93	21.5	0.0



### n41\_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pt2 BPSK	1	1	20.49	20.64	20.62		
100	Pt2 BPSK	1	137	20.47	20.58	20.44		0.0
100	Pt2 BPSK	1	271	20.27	20.47	20.49		
100	Pt2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	Pt2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	Pt2 BPSK	135	138	20.35	20.59	20.52	22.0	0.0
100	Pt2 BPSK	270	0	20.46	20.54	20.37		0.0
100	QPSK	1	1	20.56	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.52	20.62	20.52		
100	QPSK	135	0	20.28	20.52	20.36	22.0	0.0
100	QPSK	135	69	20.38	20.53	20.46	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.39	22.0	0.0
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	860AM	1	1	20.55	20.56	20.54	22.0	0.0
100	860AM	1	1	20.44	20.59	20.50	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.30	20.59	20.59	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	20.42	20.56	20.49	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.49	20.60	20.59	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0

### n41\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pt2 BPSK	1	1	13.05	13.26	13.21		
100	Pt2 BPSK	1	137	13.08	13.20	12.96	14.5	0.0
100	Pt2 BPSK	1	271	13.02	13.10	13.05		
100	Pt2 BPSK	135	0	12.88	13.22	12.96	14.5	0.0
100	Pt2 BPSK	135	69	12.89	13.06	13.03	14.5	0.0
100	Pt2 BPSK	135	138	12.91	13.19	13.11	14.5	0.0
100	Pt2 BPSK	270	0	13.07	13.15	13.12		
100	QPSK	1	1	13.23	13.35	13.26		
100	QPSK	1	137	13.10	13.11	12.87	14.5	0.0
100	QPSK	1	271	13.14	13.20	13.15		
100	QPSK	135	0	12.83	13.15	12.99	14.5	0.0
100	QPSK	135	69	13.02	13.24	13.12	14.5	0.0
100	QPSK	135	138	12.97	13.14	13.10	14.5	0.0
100	QPSK	270	0	12.86	12.84	12.70	14.5	0.0
100	16QAM	1	1	13.18	13.17	13.18	14.5	0.0
100	860AM	1	1	12.98	13.19	13.15	14.5	0.0
100	256QAM	1	1	12.98	13.07	13.04	14.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.90	13.19	13.03	14.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.89	13.14	13.04	14.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.91	13.19	13.06	14.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.95	13.19	13.05	14.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.91	13.14	13.04	14.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.99	13.14	13.04	14.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.94	13.11	13.11	14.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.93	13.21	13.01	14.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.91	13.10	13.06	14.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.89	13.12	13.10	14.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.97	13.16	13.03	14.5	0.0

### n41\_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pt2 BPSK	1	1	14.55	14.76	14.71		
100	Pt2 BPSK	1	137	14.58	14.70	14.46	16.0	0.0
100	Pt2 BPSK	1	271	14.52	14.60	14.55		
100	Pt2 BPSK	135	0	14.48	14.72	14.68	16.0	0.0
100	Pt2 BPSK	135	69	14.39	14.56	14.53	16.0	0.0
100	Pt2 BPSK	135	138	14.41	14.69	14.61	16.0	0.0
100	Pt2 BPSK	270	0	14.57	14.65	14.62		
100	QPSK	1	1	14.73	14.85	14.76		
100	QPSK	1	137	14.50	14.61	14.37	16.0	0.0
100	QPSK	1	271	14.64	14.70	14.65		
100	QPSK	135	0	14.33	14.65	14.49	16.0	0.0
100	QPSK	135	69	14.52	14.74	14.62	16.0	0.0
100	QPSK	135	138	14.47	14.64	14.60	16.0	0.0
100	QPSK	270	0	14.15	14.34	14.20	16.0	0.0
100	16QAM	1	1	14.68	14.67	14.68	16.0	0.0
100	860AM	1	1	14.48	14.69	14.65	16.0	0.0
100	256QAM	1	1	14.40	14.57	14.54	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.40	14.69	14.53	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.39	14.64	14.54	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.41	14.69	14.58	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.45	14.69	14.55	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.41	14.64	14.54	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.49	14.64	14.54	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.44	14.61	14.61	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.43	14.71	14.51	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.41	14.60	14.56	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.40	14.62	14.60	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.47	14.66	14.53	16.0	0.0



### n41\_Ant 9

Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				306002	518598	528000		
Frequency (MHz)				2548.03	2592.99	2650		
100	PI2 BPSK	1	1	20.49	20.84	20.62		
100	PI2 BPSK	1	137	20.47	20.58	20.44	22.0	0.0
100	PI2 BPSK	1	271	20.37	20.47	20.49		
100	PI2 BPSK	135	0	20.38	20.58	20.40	22.0	0.0
100	PI2 BPSK	135	69	20.34	20.46	20.49	22.0	0.0
100	PI2 BPSK	135	138	20.35	20.59	20.52		
100	PI2 BPSK	270	0	20.46	20.54	20.57	22.0	0.0
100	QPSK	1	1	20.58	20.65	20.64		
100	QPSK	1	137	20.45	20.46	20.30	22.0	0.0
100	QPSK	1	271	20.62	20.62	20.52		
100	QPSK	135	0	20.28	20.52	20.36		
100	QPSK	135	69	20.38	20.53	20.48	22.0	0.0
100	QPSK	135	138	20.39	20.50	20.45		
100	QPSK	270	0	20.11	20.24	20.15	22.0	0.0
100	8QAM	1	1	20.56	20.56	20.54	22.0	0.0
100	8QAM	1	1	20.44	20.59	20.52	22.0	0.0
100	256QAM	1	1	20.29	20.49	20.46	22.0	0.0
Channel				308300	518598	529596	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.48	20.59	20.49	22.0	0.0
Channel				307804	518598	529596	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.42	20.56	20.59	22.0	0.0
Channel				305002	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2521.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.40	20.52	20.52	22.0	0.0
Channel				306200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2506	2602.99	2669.98	(dBm)	(dB)
60	QPSK	1	1	20.46	20.57	20.49	22.0	0.0
Channel				304204	518598	532096	Tune-up limit	MPR
Frequency (MHz)				2521.02	2602.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.49	20.57	20.51	22.0	0.0
Channel				303002	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2602.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.48	20.62	20.56	22.0	0.0
Channel				302200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2411	2602.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.39	20.59	20.54	22.0	0.0
Channel				301700	518598	535500	Tune-up limit	MPR
Frequency (MHz)				2298.5	2602.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.44	20.59	20.53	22.0	0.0
Channel				301204	518598	535996	Tune-up limit	MPR
Frequency (MHz)				2028.02	2602.99	2680.99	(dBm)	(dB)
20	QPSK	1	1	20.49	20.60	20.55	22.0	0.0
Channel				300700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2023.5	2602.99	2682.98	(dBm)	(dB)
15	QPSK	1	1	20.41	20.59	20.52	22.0	0.0
Channel				300202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2019.01	2602.99	2688	(dBm)	(dB)
10	QPSK	1	1	20.43	20.54	20.56	22.0	0.0



Par270 n77\_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	21.12	21.16	21.23		
100	P1/2 BPSK	1	137	20.03	19.96	19.84	21.0	0.0
100	P1/2 BPSK	1	271	20.07	20.05	19.96		
100	P1/2 BPSK	135	0	20.00	20.01	20.00	21.0	0.0
100	P1/2 BPSK	135	69	19.95	20.13	19.87	21.0	0.0
100	P1/2 BPSK	270	0	19.93	20.02	19.85	21.0	0.0
100	QPSK	1	1	20.06	20.32	20.32		
100	QPSK	1	137	20.00	19.96	20.04	21.0	0.0
100	QPSK	1	271	20.05	20.17	20.09		
100	QPSK	135	0	19.98	20.09	19.91		
100	QPSK	135	69	19.99	20.12	19.87	21.0	0.0
100	QPSK	135	138	19.95	20.04	20.00		
100	16QAM	1	1	20.01	20.05	19.96	21.0	0.0
100	16QAM	1	1	19.91	19.98	19.93	21.0	0.0
100	256QAM	1	1	19.81	20.04	19.88	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.46	19.46	19.46		
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.24	20.11	19.97	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.36	20.11	19.95	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.02	20.02	19.93	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.04	20.09	19.91	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.03	20.02	19.98	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.93	20.11	19.93	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.94	20.05	19.95	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.734	20.00	19.666	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.798	20.00	19.682	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.00	20.04	19.93	21.0	0.0

Par27Q n77\_Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	19.71	19.71	19.71		
100	P1/2 BPSK	1	137	19.59	19.59	19.59	21.0	0.0
100	P1/2 BPSK	1	271	19.76	19.76	19.76		
100	P1/2 BPSK	135	0	19.55	19.55	19.55	21.0	0.0
100	P1/2 BPSK	135	69	19.66	19.66	19.66	21.0	0.0
100	P1/2 BPSK	138	138	19.71	19.71	19.71		
100	P1/2 BPSK	270	0	19.65	19.65	19.65	21.0	0.0
100	QPSK	1	1	19.69	19.69	19.69		
100	QPSK	1	137	19.56	19.56	19.56	21.0	0.0
100	QPSK	1	271	19.83	19.83	19.83		
100	QPSK	135	0	19.60	19.60	19.60		
100	QPSK	135	69	19.72	19.72	19.72	21.0	0.0
100	QPSK	135	138	19.63	19.63	19.63		
100	QPSK	270	0	19.67	19.67	19.67	21.0	0.0
100	16QAM	1	1	19.54	19.54	19.54	21.0	0.0
100	16QAM	1	1	19.77	19.77	19.77	21.0	0.0
100	256QAM	1	1	19.42	19.42	19.42	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.48	19.48	19.48		
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.27	19.63	19.51	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.49	19.63	19.61	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.17	19.05	19.95	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.24	19.17	19.51	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.34	19.05	19.95	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.56	19.05	19.62	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.53	19.09	19.35	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.51	19.84	19.80	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.55	19.84	19.87	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.62	19.85	19.82	21.0	0.0

Par270 n77\_Ant 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	17.92	18.49	19.93		
100	P1/2 BPSK	1	137	16.54	16.48	16.35	17.5	0.0
100	P1/2 BPSK	1	271	16.60	16.70	16.45		
100	P1/2 BPSK	135	0	16.46	16.50	16.52	17.5	0.0
100	P1/2 BPSK	135	69	16.51	16.55	16.51	17.5	0.0
100	P1/2 BPSK	138	138	16.46	16.52	16.36		
100	P1/2 BPSK	270	0	16.42	16.52	16.44	17.5	0.0
100	QPSK	1	1	16.58	16.89	16.81		
100	QPSK	1	137	16.45	16.49	16.58	17.5	0.0
100	QPSK	1	271	16.58	16.87	16.59		
100	QPSK	135	0	16.38	16.49	16.42		
100	QPSK	135	69	16.52	16.61	16.58	17.5	0.0
100	QPSK	135	138	16.35	16.52	16.52		
100	QPSK	270	0	16.39	16.62	16.47	17.5	0.0
100	16QAM	1	1	16.44	16.52	16.40	17.5	0.0
100	16QAM	1	1	16.37	16.51	16.34	17.5	0.0
100	256QAM	1	1	16.27	16.52	16.40	17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.46	16.52	16.49	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.54	16.63	16.45	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.57	16.63	16.46	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.92	16.49	16.42	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.93	16.49	16.47	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.90	16.63	16.43	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.50	16.59	16.42	17.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.45	16.63	16.45	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.53	16.62	16.45	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.53	16.63	16.47	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.56	16.47	16.45	17.5	0.0





### Par27Q n77\_Ant 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	15.21				
100	Pi2 BPSK	1	137	15.16			17.5	0.0
100	Pi2 BPSK	1	271	15.35				
100	Pi2 BPSK	135	0	15.59			17.5	0.0
100	Pi2 BPSK	135	69	15.09				
100	Pi2 BPSK	135	138	15.20			17.5	0.0
100	Pi2 BPSK	270	0	15.20				
100	QPSK	1	1	15.43			17.5	0.0
100	QPSK	1	137	15.02				
100	QPSK	1	271	15.39				
100	QPSK	135	0	15.19			17.5	0.0
100	QPSK	135	69	15.27				
100	QPSK	135	138	15.09			17.5	0.0
100	QPSK	270	0	15.04			17.5	0.0
100	16QAM	1	1	15.05			17.5	0.0
100	16QAM	1	1	15.30			17.5	0.0
100	16QAM	1	1	15.30			17.5	0.0
Channel								
Frequency (MHz)								
96	QPSK	1	1	15.96	16.14		17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.08	16.11	16.19	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.13	16.11	16.15	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.13	16.16	16.20	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.11	16.24	16.24	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.13	16.13	16.13	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.14	16.15	16.15	17.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.11	16.11	16.23	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.17	16.18	16.19	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.10	16.15	16.17	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.11	16.15	16.22	17.5	0.0

### Par27Q n77\_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	17.13	17.15	17.21		
100	Pi2 BPSK	1	137	17.06	17.05	16.90	18.0	0.0
100	Pi2 BPSK	1	271	17.06	17.14	16.98		
100	Pi2 BPSK	135	0	16.99	17.02	17.08	18.0	0.0
100	Pi2 BPSK	135	69	17.00	17.06	17.04	18.0	0.0
100	Pi2 BPSK	135	138	16.94	17.03	16.99	18.0	0.0
100	Pi2 BPSK	270	0	16.85	16.95	16.94	18.0	0.0
100	QPSK	1	1	17.05	17.05	17.05	18.0	0.0
100	QPSK	1	137	16.98	16.95	17.08	18.0	0.0
100	QPSK	1	271	17.07	17.16	17.11		
100	QPSK	135	0	16.92	17.06	16.92	18.0	0.0
100	QPSK	135	69	16.96	17.09	17.03	18.0	0.0
100	QPSK	135	138	16.84	17.03	16.99	18.0	0.0
100	QPSK	270	0	16.77	17.09	17.04	18.0	0.0
100	16QAM	1	1	17.00	17.12	16.99	18.0	0.0
100	16QAM	1	1	16.84	17.04	16.92	18.0	0.0
100	16QAM	1	1	16.88	17.04	16.97	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.02	17.06	16.99	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.02	17.11	16.91	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.05	17.06	16.91	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.02	17.05	16.95	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.10	17.10	16.97	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.01	17.05	16.91	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.02	17.09	16.97	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.05	17.04	16.95	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.09	17.10	16.96	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.02	17.10	16.90	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.04	17.05	16.97	18.0	0.0

### Par27Q n77\_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	16.11				
100	Pi2 BPSK	1	137	16.05			18.0	0.0
100	Pi2 BPSK	1	271	16.79				
100	Pi2 BPSK	135	0	16.54			18.0	0.0
100	Pi2 BPSK	135	69	16.59			18.0	0.0
100	Pi2 BPSK	135	138	16.74			18.0	0.0
100	Pi2 BPSK	270	0	16.73			18.0	0.0
100	QPSK	1	1	16.53			18.0	0.0
100	QPSK	1	137	16.56				
100	QPSK	1	271	16.78				
100	QPSK	135	0	16.64			18.0	0.0
100	QPSK	135	69	16.58				
100	QPSK	135	138	16.58			18.0	0.0
100	QPSK	270	0	16.46			18.0	0.0
100	16QAM	1	1	16.53			18.0	0.0
100	16QAM	1	1	16.81			18.0	0.0
100	16QAM	1	1	16.81			18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.73	16.79	16.80	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.82	16.79	16.82	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.82	16.71	16.78	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.73	16.74	16.75	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.73	16.73	16.73	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.73	16.77	16.77	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.74	16.71	16.61	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.74	16.69	16.69	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.68	16.73	16.84	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.69	16.74	16.86	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.65	16.79	16.86	18.0	0.0



**Par270 n77\_Ant 10**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				3700	3700	3700		
100	PI2 BPSK	1	1	21.04	21.07	21.06		
100	PI2 BPSK	1	137	20.91	20.90	20.80	22.0	0.0
100	PI2 BPSK	1	271	20.89	21.05	20.84		
100	PI2 BPSK	135	9	20.85	20.92	20.95	22.0	0.0
100	PI2 BPSK	135	69	20.87	21.01	20.88	22.0	0.0
100	PI2 BPSK	135	138	20.85	20.99	20.76		
100	PI2 BPSK	270	0	20.81	20.88	20.82	22.0	0.0
100	QPSK	1	1	20.95	21.00	21.19		
100	QPSK	1	137	20.87	20.90	20.84	22.0	0.0
100	QPSK	1	271	20.89	21.02	21.03		
100	QPSK	135	0	20.83	20.98	20.98		
100	QPSK	135	69	20.87	20.98	20.93	22.0	0.0
100	QPSK	135	138	20.80	20.92	20.92		
100	QPSK	270	0	20.79	20.94	20.91	22.0	0.0
100	16QAM	1	1	20.89	21.00	20.84	22.0	0.0
100	64QAM	1	1	20.79	20.92	20.78	22.0	0.0
100	256QAM	1	1	20.77	20.97	20.83	22.0	0.0
Channel				649668	659000	662332	Tune-up limit	MPR
Frequency (MHz)				3700.00	360	368.96	(dB)	
90	QPSK	1	1	20.99	20.99	20.88	22.0	0.0
Channel				649734	659000	662666	Tune-up limit	MPR
Frequency (MHz)				3762.01	360	368.93	(dB)	
80	QPSK	1	1	20.86	20.97	20.90	22.0	0.0
Channel				649900	659000	663000	Tune-up limit	MPR
Frequency (MHz)				3726	360	368.85	(dB)	
70	QPSK	1	1	20.92	21.03	20.81	22.0	0.0
Channel				649900	659000	663000	Tune-up limit	MPR
Frequency (MHz)				3730.02	360	368.98	(dB)	
60	QPSK	1	1	20.84	21.00	20.81	22.0	0.0
Channel				649734	659000	663066	Tune-up limit	MPR
Frequency (MHz)				3725.01	360	368.99	(dB)	
50	QPSK	1	1	20.88	21.02	20.88	22.0	0.0
Channel				649900	659000	666000	Tune-up limit	MPR
Frequency (MHz)				3700	360	360	(dB)	
40	QPSK	1	1	20.94	21.08	21.02	22.0	0.0
Channel				647968	659000	664332	Tune-up limit	MPR
Frequency (MHz)				3713.02	360	368.88	(dB)	
30	QPSK	1	1	20.91	21.04	20.97	22.0	0.0
Channel				647900	659000	664800	Tune-up limit	MPR
Frequency (MHz)				3705	360	368.8	(dB)	
25	QPSK	1	1	20.95	20.98	20.81	22.0	0.0
Channel				647334	659000	664666	Tune-up limit	MPR
Frequency (MHz)				3702.01	360	368.93	(dB)	
20	QPSK	1	1	20.98	21.02	20.90	22.0	0.0
Channel				647166	659000	664500	Tune-up limit	MPR
Frequency (MHz)				3707.92	360	368.74	(dB)	
15	QPSK	1	1	20.92	21.06	20.92	22.0	0.0
Channel				647000	659000	664300	Tune-up limit	MPR
Frequency (MHz)				3705	360	368.9	(dB)	
10	QPSK	1	1	20.93	21.06	20.85	22.0	0.0

**Par27Q n77\_Ant 10**

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				639000	633332	633332		
100	PI2 BPSK	1	1	20.72				
100	PI2 BPSK	1	137	20.52			22.0	0.0
100	PI2 BPSK	1	271	20.72				
100	PI2 BPSK	135	0	20.43			22.0	0.0
100	PI2 BPSK	135	69	20.52			22.0	0.0
100	PI2 BPSK	135	138	20.52				
100	PI2 BPSK	270	0	20.50			22.0	0.0
100	QPSK	1	1	20.76				
100	QPSK	1	137	20.44			22.0	0.0
100	QPSK	1	271	20.74				
100	QPSK	135	0	20.57				
100	QPSK	135	69	20.58			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.41			22.0	0.0
100	16QAM	1	1	20.44			22.0	0.0
100	64QAM	1	1	20.68			22.0	0.0
100	256QAM	1	1	20.35			22.0	0.0
Channel				639000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3496	349.98	349.98	(dB)	
90	QPSK	1	1	20.54	20.77	20.52	22.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3483.02	349.98	350	(dB)	
80	QPSK	1	1	20.46	20.65	20.43	22.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	349.98	349.98	(dB)	
70	QPSK	1	1	20.40	20.71	20.40	22.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	349.98	349.98	(dB)	
60	QPSK	1	1	20.45	20.61	20.37	22.0	0.0
Channel				631666	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3476.02	349.98	350	(dB)	
50	QPSK	1	1	20.44	20.64	20.46	22.0	0.0
Channel				631332	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	349.98	349.98	(dB)	
40	QPSK	1	1	20.46	20.60	20.40	22.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3468	349.98	349.98	(dB)	
30	QPSK	1	1	20.47	20.61	20.43	22.0	0.0
Channel				630666	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3468.84	349.98	349.98	(dB)	
25	QPSK	1	1	20.45	20.69	20.39	22.0	0.0
Channel				630332	633332	636300	Tune-up limit	MPR
Frequency (MHz)				3465.85	349.98	349.98	(dB)	
20	QPSK	1	1	20.49	20.70	20.40	22.0	0.0
Channel				630000	633332	636666	Tune-up limit	MPR
Frequency (MHz)				3459.5	349.98	349.98	(dB)	
15	QPSK	1	1	20.41	20.71	20.44	22.0	0.0
Channel				629666	633332	637000	Tune-up limit	MPR
Frequency (MHz)				3455.01	349.98	349.98	(dB)	
10	QPSK	1	1	20.45	20.72	20.46	22.0	0.0



ENDC Mode Full Power

Table for Band 2\_Ant 1. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turnup limit (dBm), and MPR (dB). Rows list various modulation schemes like QPSK, 16QAM, 64QAM, and 256QAM across different bandwidths and power levels.

Table for Band 2\_Ant 2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turnup limit (dBm), and MPR (dB). Rows list various modulation schemes like QPSK, 16QAM, 64QAM, and 256QAM across different bandwidths and power levels.

Table for Band 2\_Ant 7. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Med, High), Turnup limit (dBm), and MPR (dB). Rows list various modulation schemes like QPSK, 16QAM, 64QAM, and 256QAM across different bandwidths and power levels.



Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.21	24.30	24.21	26	0		
10	QPSK	1	0	24.22	24.31	24.22	26	0		
10	QPSK	1	49	24.30	24.12	24.17	26	0		
10	QPSK	25	0	23.21	23.28	23.22	25	1		
10	QPSK	25	12	23.28	23.32	23.29	25	1		
10	QPSK	25	25	23.27	23.28	23.24	25	1		
10	QPSK	80	0	23.21	23.28	23.19	25	1		
10	16QAM	1	0	23.41	23.39	23.47	25	1		
10	16QAM	1	25	23.40	23.55	23.57	25	1		
10	16QAM	1	49	23.50	23.46	23.52	25	1		
10	16QAM	25	0	22.30	22.31	22.28	24	2		
10	16QAM	25	12	22.32	22.33	22.26	24	2		
10	16QAM	25	25	22.32	22.32	22.30	24	2		
10	16QAM	50	0	22.29	22.27	22.23	24	2		
10	64QAM	1	0	22.36	22.36	22.37	24	2		
10	64QAM	1	25	22.37	22.35	22.39	24	2		
10	64QAM	1	49	22.36	22.46	22.46	24	2		
10	64QAM	25	0	21.24	21.30	21.26	23	3		
10	64QAM	25	12	21.26	21.31	21.28	23	3		
10	64QAM	25	25	21.30	21.33	21.33	23	3		
10	256QAM	1	0	21.28	21.26	21.24	21	5		
10	256QAM	1	19	19.80	19.85	19.84	21	5		
10	256QAM	1	25	19.81	19.84	19.80	21	5		
10	256QAM	1	49	19.79	19.83	19.82	21	5		
10	256QAM	1	25	19.79	19.79	19.86	21	5		
10	256QAM	25	12	19.85	19.70	19.86	21	5		
10	256QAM	25	25	19.75	19.79	19.75	21	5		
10	256QAM	50	0	19.86	19.70	19.70	21	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.19	24.28	24.19	26	0		
5	QPSK	1	12	24.17	24.21	24.18	26	0		
5	QPSK	1	24	24.16	24.21	24.22	26	0		
5	QPSK	12	0	23.29	23.30	23.23	25	1		
5	QPSK	12	7	23.29	23.30	23.34	25	1		
5	QPSK	12	13	23.28	23.34	23.33	25	1		
5	QPSK	12	19	23.29	23.31	23.29	25	1		
5	16QAM	1	0	23.41	23.61	23.48	25	1		
5	16QAM	1	12	23.46	23.54	23.49	25	1		
5	16QAM	1	24	23.38	23.49	23.41	25	1		
5	16QAM	12	0	22.23	22.38	22.31	24	2		
5	16QAM	12	7	22.34	22.37	22.37	24	2		
5	16QAM	12	13	22.31	22.38	22.34	24	2		
5	16QAM	12	19	22.26	22.30	22.23	24	2		
5	64QAM	1	0	22.36	22.38	22.31	24	2		
5	64QAM	1	12	22.38	22.49	22.41	24	2		
5	64QAM	1	24	22.41	22.33	22.36	24	2		
5	64QAM	12	0	21.26	21.35	21.25	23	3		
5	64QAM	12	7	21.29	21.33	21.36	23	3		
5	64QAM	12	13	21.27	21.33	21.34	23	3		
5	64QAM	12	19	21.28	21.27	21.25	23	3		
5	256QAM	1	0	19.59	19.64	19.59	21	5		
5	256QAM	1	12	19.68	19.78	19.68	21	5		
5	256QAM	1	24	19.78	19.80	19.79	21	5		
5	256QAM	12	0	19.88	19.86	19.84	21	5		
5	256QAM	12	7	19.88	19.86	19.81	21	5		
5	256QAM	12	13	19.74	19.77	19.72	21	5		
5	256QAM	12	19	19.82	19.70	19.70	21	5		
5	256QAM	25	0	19.86	19.70	19.86	21	5		
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.13	24.20	24.22	26	0		
3	QPSK	1	8	24.14	24.25	24.24	26	0		
3	QPSK	1	14	24.14	24.21	24.18	26	0		
3	QPSK	8	0	23.24	23.28	23.24	25	1		
3	QPSK	8	7	23.23	23.30	23.32	25	1		
3	QPSK	8	7	23.23	23.30	23.32	25	1		
3	QPSK	15	0	23.21	23.24	23.29	25	1		
3	16QAM	1	0	23.37	23.47	23.42	25	1		
3	16QAM	1	8	23.39	23.53	23.53	25	1		
3	16QAM	1	14	23.37	23.44	23.44	25	1		
3	16QAM	8	0	22.32	22.31	22.30	24	2		
3	16QAM	8	7	22.31	22.38	22.42	24	2		
3	16QAM	8	7	22.29	22.40	22.40	24	2		
3	16QAM	15	0	22.25	22.29	22.34	24	2		
3	16QAM	15	0	22.38	22.42	22.40	24	2		
3	64QAM	1	8	22.41	22.48	22.46	24	2		
3	64QAM	1	14	22.34	22.38	22.40	24	2		
3	64QAM	8	0	21.26	21.34	21.25	23	3		
3	64QAM	8	4	21.32	21.41	21.40	23	3		
3	64QAM	8	7	21.27	21.38	21.37	23	3		
3	64QAM	15	0	21.24	21.29	21.35	23	3		
3	256QAM	1	0	19.58	19.60	19.59	21	5		
3	256QAM	1	8	19.77	19.81	19.79	21	5		
3	256QAM	12	0	19.76	19.82	19.76	21	5		
3	256QAM	8	0	19.65	19.69	19.64	21	5		
3	256QAM	8	4	19.83	19.89	19.82	21	5		
3	256QAM	8	7	19.72	19.75	19.71	21	5		
3	256QAM	15	0	19.84	19.70	19.85	21	5		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.16	24.20	24.19	26	0		
1.4	QPSK	1	3	24.14	24.25	24.15	26	0		
1.4	QPSK	1	5	24.14	24.22	24.23	26	0		
1.4	QPSK	3	0	24.10	24.16	24.19	26	0		
1.4	QPSK	3	1	24.11	24.19	24.20	26	0		
1.4	QPSK	3	1	24.11	24.20	24.19	26	0		
1.4	QPSK	6	0	23.16	23.20	23.26	25	1		
1.4	16QAM	1	0	23.49	23.56	23.59	25	1		
1.4	16QAM	1	3	23.59	23.56	23.60	25	1		
1.4	16QAM	1	5	23.52	23.53	23.55	25	1		
1.4	16QAM	3	0	23.31	23.38	23.36	24	2		
1.4	16QAM	3	1	23.29	23.39	23.34	24	2		
1.4	16QAM	3	3	23.26	23.35	23.33	24	2		
1.4	16QAM	6	0	22.27	22.32	22.32	24	2		
1.4	64QAM	1	0	22.48	22.56	22.45	24	2		
1.4	64QAM	1	3	22.43	22.54	22.52	24	2		
1.4	64QAM	1	5	22.45	22.50	22.46	24	2		
1.4	64QAM	3	0	22.30	22.39	22.37	24	2		
1.4	64QAM	3	1	22.28	22.35	22.32	24	2		
1.4	64QAM	3	3	22.27	22.37	22.37	24	2		
1.4	64QAM	6	0	21.24	21.26	21.30	23	3		
1.4	256QAM	1	0	19.59	19.62	19.60	21	5		
1.4	256QAM	1	3	19.80	19.79	19.75	21	5		
1.4	256QAM	1	5	19.74	19.79	19.79	21	5		
1.4	256QAM	3	0	19.67	19.67	19.62	21	5		
1.4	256QAM	3	1	19.61	19.67	19.64	21	5		
1.4	256QAM	3	3	19.72	19.73	19.71	21	5		
1.4	256QAM	6	0	19.68	19.68	19.68	21	5		

Band 5_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.21	24.30	24.21	26	0		
10	QPSK	1	25	24.22	24.31	24.22	26	0		
10	QPSK	1	49	24.30	24.12	24.17	26	0		
10	QPSK	25	0	23.21	23.28	23.22	25	1		
10	QPSK	25	12	23.28	23.32	23.29	25	1		
10	QPSK	25	25	23.27	23.28	23.24	25	1		
10	QPSK	50	0	23.21	23.25	23.19	25	1		
10	16QAM	1	0	23.41	23.39	23.47	25	1		
10	16QAM	1	25	23.40	23.55	23.57	25	1		
10	16QAM	1	49	23.50	23.46	23.52	25	1		
10	16QAM	25	0	22.30	22.31	22.28	24	2		
10	16QAM	25	12	22.32	22.33	22.26	24	2		
10	16QAM	25	25	22.32	22.32	22.30	24	2		
10	16QAM	50	0	22.29	22.27	22.23	24	2		
10	64QAM	1	0	22.36	22.36	22.37	24	2		
10	64QAM	1	25	22.37	22.35	22.39	24	2		
10	64QAM	1	49	22.36	22.46	22.46	24	2		
10	64QAM	25	0	21.24	21.30	21.26	23	3		
10	64QAM	25	12	21.26	21.31	21.28	23	3		
10	64QAM	25	25	21.30	21.33	21.33	23	3		
10	256QAM	1	0	21.28	21.26	21.24	21	5		
10	256QAM	1	19	19.80	19.85	19.84	21	5		
10	256QAM	1	25	19.81	19.84	19.80	21	5		
10	256QAM	1	49	19.79	19.83	19.82	21	5		
10	256QAM	1	25	19.79	19.79	19.86	21	5		
10	256QAM	25	12	19.85	19.70	19.86	21	5		
10	256QAM	25	25	19.75	19.79	19.75	21	5		
10	256QAM	50	0	19.86	19.70	19.70	21	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.19	24.28	24.19	26	0		
5	QPSK	1	12	24.17	24.21	24.18	26	0		
5	QPSK	1	24	24.16	24.21	24.				



### Band 7\_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.59	23.57	23.62	25	0
20	QPSK	1	49	23.66	23.84	23.73	25	0
20	QPSK	1	99	23.63	23.80	23.72	25	0
20	QPSK	50	0	22.68	22.71	22.72	24	1
20	QPSK	50	24	22.75	22.67	22.84	24	1
20	QPSK	50	49	22.71	22.80	22.80	24	1
20	QPSK	100	0	22.73	22.74	22.70	24	1
20	16QAM	1	0	22.88	22.87	23.00	24	1
20	16QAM	1	49	22.89	23.16	23.06	24	1
20	16QAM	1	99	22.91	23.05	23.05	24	1
20	16QAM	50	0	21.88	21.70	21.76	23	2
20	16QAM	50	24	21.81	21.67	21.79	23	2
20	16QAM	50	49	21.75	21.88	21.89	23	2
20	16QAM	100	0	21.73	21.78	21.80	23	2
20	64QAM	1	0	21.75	21.76	21.74	23	2
20	64QAM	1	49	21.87	21.89	22.01	23	2
20	64QAM	1	99	21.70	22.06	21.89	23	2
20	64QAM	50	0	20.88	20.88	20.72	22	3
20	64QAM	50	24	20.72	20.87	20.77	22	3
20	64QAM	50	49	20.72	20.87	20.77	22	3
20	256QAM	1	0	20.72	20.71	20.76	20	5
20	256QAM	1	49	18.73	18.74	18.74	20	5
20	256QAM	1	99	18.83	18.84	18.83	20	5
20	256QAM	50	0	18.73	18.79	18.75	20	5
20	256QAM	50	24	18.77	18.79	18.75	20	5
20	256QAM	50	49	18.83	18.84	18.80	20	5
20	256QAM	100	0	18.73	18.73	18.73	20	5
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.03	23.03	23.03	25	0
15	QPSK	1	37	23.59	23.66	23.66	25	0
15	QPSK	1	74	23.57	23.64	23.73	25	0
15	QPSK	36	0	22.73	22.77	22.77	24	1
15	QPSK	36	20	22.73	22.73	22.80	24	1
15	QPSK	36	36	22.70	22.81	22.84	24	1
15	16QAM	1	0	22.94	22.96	22.83	24	1
15	16QAM	1	37	22.91	22.98	22.98	24	1
15	16QAM	1	74	21.72	21.84	21.88	23	2
15	16QAM	36	0	21.74	21.71	21.81	23	2
15	16QAM	36	20	21.74	21.76	21.81	23	2
15	64QAM	1	0	21.75	21.81	21.89	23	2
15	64QAM	1	37	21.80	21.98	21.98	23	2
15	64QAM	1	74	21.80	21.98	21.98	23	2
15	64QAM	36	0	20.86	20.76	20.80	22	3
15	64QAM	36	20	20.77	20.77	20.88	22	3
15	64QAM	36	36	20.76	20.85	20.83	22	3
15	256QAM	1	0	20.75	20.76	20.86	20	5
15	256QAM	1	37	18.70	18.74	18.71	20	5
15	256QAM	1	74	18.80	18.87	18.82	20	5
15	256QAM	36	0	18.67	18.69	18.70	20	5
15	256QAM	36	20	18.74	18.70	18.70	20	5
15	256QAM	36	36	18.80	18.82	18.78	20	5
15	256QAM	75	0	18.66	18.74	18.71	20	5
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.65	23.65	23.65	25	0
5	QPSK	1	12	23.72	23.80	23.71	25	0
5	QPSK	1	24	23.60	23.76	23.76	25	0
5	QPSK	12	0	22.72	22.73	22.84	24	1
5	QPSK	12	7	22.78	22.85	22.93	24	1
5	QPSK	12	13	22.76	22.86	22.88	24	1
5	QPSK	25	0	22.73	22.73	22.84	24	1
5	16QAM	1	0	22.94	23.01	23.06	24	1
5	16QAM	1	24	22.99	23.04	23.15	24	1
5	16QAM	12	0	21.75	21.77	21.87	23	2
5	16QAM	12	13	21.82	21.85	21.93	23	2
5	16QAM	12	15	21.79	21.89	21.94	23	2
5	16QAM	25	0	21.76	21.77	21.89	23	2
5	64QAM	1	0	21.79	21.88	21.98	23	2
5	64QAM	1	12	21.85	22.09	22.09	23	2
5	64QAM	1	24	21.81	22.02	22.04	23	2
5	64QAM	12	0	20.78	20.78	20.84	22	3
5	64QAM	12	7	20.83	20.88	21.00	22	3
5	64QAM	12	13	20.81	20.93	20.95	22	3
5	64QAM	25	0	20.76	20.80	20.86	20	5
5	256QAM	1	0	18.71	18.77	18.72	20	5
5	256QAM	1	12	18.92	18.92	18.92	20	5
5	256QAM	1	24	18.81	18.83	18.82	20	5
5	256QAM	12	0	18.70	18.70	18.68	20	5
5	256QAM	12	7	18.73	18.77	18.70	20	5
5	256QAM	12	13	18.80	18.80	18.79	20	5
5	256QAM	25	0	18.67	18.76	18.68	20	5

### Band 12\_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.34	24.34	24.32	26	0
10	QPSK	1	25	24.40	24.43	24.39	26	0
10	QPSK	1	49	24.35	24.40	24.37	26	0
10	QPSK	25	0	23.34	23.34	23.33	25	1
10	QPSK	25	12	23.43	23.48	23.42	25	1
10	QPSK	25	26	23.42	23.45	23.33	25	1
10	QPSK	50	0	23.35	23.45	23.33	25	1
10	16QAM	1	0	23.70	23.63	23.63	25	1
10	16QAM	1	25	23.78	23.78	23.72	25	1
10	16QAM	1	49	23.70	23.68	23.55	25	1
10	16QAM	25	0	22.36	22.39	22.37	24	2
10	16QAM	25	12	22.42	22.42	22.42	24	2
10	16QAM	25	26	22.48	22.45	22.34	24	2
10	16QAM	50	0	22.43	22.45	22.30	24	2
10	64QAM	1	0	22.52	22.63	22.59	24	2
10	64QAM	1	25	22.60	22.68	22.69	24	2
10	64QAM	1	49	22.56	22.58	22.61	24	2
10	64QAM	25	0	21.36	21.38	21.33	23	3
10	64QAM	25	12	21.47	21.50	21.46	23	3
10	64QAM	25	26	21.48	21.50	21.46	23	3
10	256QAM	1	0	18.45	18.45	18.37	21	5
10	256QAM	1	13	18.58	18.62	18.57	21	5
10	256QAM	1	25	18.64	18.65	18.61	21	5
10	256QAM	1	49	18.44	18.49	18.45	21	5
10	256QAM	1	74	18.63	18.63	18.59	21	5
10	256QAM	25	12	18.60	18.63	18.59	21	5
10	256QAM	25	26	18.56	18.59	18.55	21	5
10	256QAM	50	0	18.61	18.61	18.55	21	5
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.33	24.33	24.31	26	0
5	QPSK	1	12	24.41	24.41	24.32	26	0
5	QPSK	1	24	24.36	24.35	24.33	26	0
5	QPSK	12	0	23.45	23.45	23.30	25	1
5	QPSK	12	7	23.47	23.41	23.30	25	1
5	QPSK	12	13	23.44	23.37	23.35	25	1
5	QPSK	25	0	22.72	22.60	22.58	24	2
5	16QAM	1	0	23.57	23.59	23.63	25	1
5	16QAM	1	12	23.62	23.64	23.66	25	1
5	16QAM	1	24	23.68	23.64	23.58	25	1
5	16QAM	12	0	22.47	22.39	22.35	24	2
5	16QAM	12	7	22.48	22.40	22.41	24	2
5	16QAM	12	13	22.49	22.44	22.39	24	2
5	16QAM	25	0	22.45	22.42	22.29	24	2
5	64QAM	1	0	22.59	22.50	22.47	24	2
5	64QAM	1	12	22.72	22.60	22.58	24	2
5	64QAM	1	24	22.60	22.60	22.47	24	2
5	64QAM	12	0	21.48	21.33	21.33	23	3
5	64QAM	12	7	21.46	21.45	21.43	23	3
5	64QAM	12	13	21.46	21.45	21.35	23	3
5	256QAM	1	0	18.53	18.61	18.54	21	5
5	256QAM	1	12	18.62	18.62	18.58	21	5
5	256QAM	1	24	18.42	18.45	18.40	21	5
5	256QAM	12	0	18.38	18.42	18.35	21	5
5	256QAM	12	7	18.55	18.54	18.51	21	5
5	256QAM	12	13	18.55	18.54	18.51	21	5
5	256QAM	25	0	18.43	18.48	18.48	21	5
Channel								
Frequency (MHz)								
3	QPSK	1	0	24.37	24.27	24.28	26	0
3	QPSK	1	8	24.35	24.32	24.35	26	0
3	QPSK	1	14	24.35	24.35	24.24	26	0
3	QPSK	8	0	23.42	23.28	23.27	25	1
3	QPSK	8	7	23.49	23.40	23.34	25	1
3	QPSK	8	14	23.40	23.37	23.32	25	1
3	QPSK	15	0	23.38	23.36	23.31	25	1
3	16QAM	1	0	23.52	23.49	23.54	25	1
3	16QAM	1	8	23.70	23.61	23.57	25	1
3	16QAM	1	14	23.71	23.59	23.54	25	1
3	16QAM	8	0	22.47	22.37	22.36	24	2
3	16QAM	8	7	22.52	22.49	22.38	24	2
3	16QAM	8	14	22.50	22.46	22.34	24	2
3	64QAM	1	0	22.67	22.62	22.66	24	2
3	64QAM	1	8	22.67	22.62	22.66	24	2
3	64QAM	1	14	22.57	22.54	22.47	24	2
3	64QAM	8	0	21.46	21.34	21.32	23	3
3	64QAM	8	7	21.45	21.45	21.39	23	3
3	64QAM	8	14	21.45	21.39	21.36	23	3
3	256QAM	1	0	18.67	18.59	18.58	21	5
3	256QAM	1	8	18.61	18.61	18.60	21	5
3	256QAM	1	14	18.42	18.44	18.42	21	5
3	256QAM	8	0	18.38	18.42	18.36	21	5
3	256QAM	8	7	18.55	18.62	18.54	21	



Band 30_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0		17.31					
10	QPSK	1	25		17.33			18	0	
10	QPSK	1	49		17.18					
10	QPSK	25	0		16.31					
10	QPSK	25	12		16.33			17	1	
10	QPSK	25	25		16.26					
10	QPSK	50	0		16.27					
10	16QAM	1	0		16.58			17	1	
10	16QAM	1	25		16.62					
10	16QAM	1	49		16.53					
10	16QAM	25	0		15.33					
10	16QAM	25	12		16.36			16	2	
10	16QAM	25	25		15.29					
10	16QAM	50	0		15.27					
10	64QAM	1	0		15.86			16	2	
10	64QAM	1	25		15.92					
10	64QAM	1	49		15.51					
10	64QAM	25	0		14.29					
10	64QAM	25	12		14.31			15	3	
10	64QAM	25	25		14.24					
10	64QAM	50	0		14.34					
10	256QAM	1	0		11.95			13	5	
10	256QAM	1	25		12.12					
10	256QAM	1	49		11.94					
10	256QAM	25	12		11.95			13	5	
10	256QAM	25	25		11.88					
10	256QAM	50	0		11.97					
Channel										
Frequency (MHz)										
				27685	27710	27735	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	2307.5	2310	2312.5				
5	QPSK	1	12	17.24	17.30	17.30		18	0	
5	QPSK	1	24	17.25	17.26	17.24				
5	QPSK	12	0	16.26	16.29	16.36				
5	QPSK	12	7	16.39	16.31	16.40		17	1	
5	QPSK	12	13	16.30	16.19	16.29				
5	QPSK	25	0	16.29	16.26	16.31				
5	16QAM	1	0	16.50	16.61	16.51				
5	16QAM	1	12	16.57	16.58	16.50		17	1	
5	16QAM	1	24	16.46	16.46	16.53				
5	16QAM	12	0	15.31	15.34	15.42				
5	16QAM	12	7	15.43	15.34	15.40		16	2	
5	16QAM	12	13	15.34	15.30	15.33				
5	64QAM	1	0	15.43	15.45	15.53		16	2	
5	64QAM	1	12	15.54	15.47	15.54				
5	64QAM	1	24	15.38	15.45	15.37				
5	64QAM	12	0	14.32	14.36	14.31				
5	64QAM	12	7	14.42	14.31	14.40		15	3	
5	64QAM	12	13	14.33	14.26	14.35				
5	64QAM	25	0	14.33	14.27	14.33				
5	256QAM	1	0	11.94	11.98	12.00		13	5	
5	256QAM	1	12	12.01	12.01	11.96				
5	256QAM	1	24	12.06	11.94	11.85				
5	256QAM	12	0	11.90	11.97	11.97				
5	256QAM	12	7	11.92	12.04	11.95		13	5	
5	256QAM	12	13	11.97	11.87	12.07				
5	256QAM	25	0	11.98	11.96	12.00				

Band 30_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0		17.31					
10	QPSK	1	25		17.33			18	0	
10	QPSK	1	49		17.18					
10	QPSK	25	0		16.31					
10	QPSK	25	12		16.33			17	1	
10	QPSK	25	25		16.26					
10	QPSK	50	0		16.27					
10	16QAM	1	0		16.58			17	1	
10	16QAM	1	25		16.62					
10	16QAM	1	49		16.53					
10	16QAM	25	0		15.33					
10	16QAM	25	12		16.36			16	2	
10	16QAM	25	25		15.29					
10	16QAM	50	0		15.27					
10	64QAM	1	0		15.86			16	2	
10	64QAM	1	25		15.92					
10	64QAM	1	49		15.51					
10	64QAM	25	0		14.29					
10	64QAM	25	12		14.31			15	3	
10	64QAM	25	25		14.24					
10	64QAM	50	0		14.34					
10	256QAM	1	0		11.95			13	5	
10	256QAM	1	25		12.12					
10	256QAM	1	49		11.94					
10	256QAM	25	12		11.95			13	5	
10	256QAM	25	25		11.88					
10	256QAM	50	0		11.97					
Channel										
Frequency (MHz)										
				27685	27710	27735	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	2307.5	2310	2312.5				
5	QPSK	1	12	17.24	17.30	17.30		18	0	
5	QPSK	1	24	17.25	17.26	17.24				
5	QPSK	12	0	16.26	16.29	16.36				
5	QPSK	12	7	16.39	16.31	16.40		17	1	
5	QPSK	12	13	16.30	16.19	16.29				
5	QPSK	25	0	16.29	16.26	16.31				
5	16QAM	1	0	16.50	16.61	16.51				
5	16QAM	1	12	16.57	16.58	16.50		17	1	
5	16QAM	1	24	16.46	16.46	16.53				
5	16QAM	12	0	15.31	15.34	15.42				
5	16QAM	12	7	15.43	15.34	15.40		16	2	
5	16QAM	12	13	15.34	15.30	15.33				
5	64QAM	1	0	15.43	15.45	15.53		16	2	
5	64QAM	1	12	15.54	15.47	15.54				
5	64QAM	1	24	15.38	15.45	15.37				
5	64QAM	12	0	14.32	14.36	14.31				
5	64QAM	12	7	14.42	14.31	14.40		15	3	
5	64QAM	12	13	14.33	14.26	14.35				
5	64QAM	25	0	14.33	14.27	14.33				
5	256QAM	1	0	11.94	11.98	12.00		13	5	
5	256QAM	1	12	12.01	12.01	11.96				
5	256QAM	1	24	12.06	11.94	11.85				
5	256QAM	12	0	11.90	11.97	11.97				
5	256QAM	12	7	11.92	12.04	11.95		13	5	
5	256QAM	12	13	11.97	11.87	12.07				
5	256QAM	25	0	11.98	11.96	12.00				

Band 66_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0		23.93	23.97	23.96			
20	QPSK	1	49		23.96	23.98	23.97	25	0	
20	QPSK	1	98		23.98	23.97	23.96			
20	QPSK	50	0		22.97	23.00	22.95			
20	QPSK	50	24		22.98	23.04	22.95	24	1	
20	QPSK	50	49		22.97	22.96	22.95			
20	QPSK	100	0		22.98	23.02	22.91			
20	16QAM	1	0		23.22	23.43	23.26	24	1	
20	16QAM	1	49		23.18	23.43	23.16			
20	16QAM	1	99		23.16	23.15	23.12			
20	16QAM	50	0		22.92	22.91	21.96			
20	16QAM	50	24		22.98	23.06	22.96	23	2	
20	16QAM	50	50		21.98	21.97	21.97			
20	16QAM	100	0		22.93	22.92	21.93			
20	64QAM	1	0		22.24	22.17	22.19	23	2	
20	64QAM	1	49		22.02	22.23	22.22			
20	64QAM	1	99		22.02	21.91	22.07			
20	64QAM	50	0		20.97	21.00	20.95			
20	64QAM	50	24		21.99	20.98	20.98	22	3	
20	64QAM	50	50		21.00	20.97	20.96			
20	64QAM	100	0		20.96	20.96	20.89			
20	256QAM	1	0		18.62	18.66	18.65	20	5	
20	256QAM	1	49		18.62	18.65	18.61			
20	256QAM	1	99		18.69	18.73	18.69			
20	256QAM	25	12		18.63	18.66	18.63	20	5	
20	256QAM	50	24		18.66	18.69	18.65			
20	256QAM	50	50		18.76	18.76	18.75			
20	256QAM	100	0		18.71	18.72	18.73			
Channel										
Frequency (MHz)										
				13047	13052	13057	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	1717.5	1745	1772.5				
15	QPSK	1	37	23.88	23.89	23.85		25	0	
15	QPSK	1	74	23.77	23.76	23.74				
15	QPSK	38	0	22.98	22.99	22.94				
15	QPSK	38	20	22.98	22.99	22.94		24	1	
15	QPSK	38	39	22.95	22.91	22.87				
15	QPSK	38	77	22.98	22.97	22.95				
15	16QAM	1	0	23.17	23.11	23.15				
15	16QAM	1	37	23.16	23.23	23.15		24	1	
15	16QAM	1	74	22.96	23.10	23.02				
15	16QAM	38	0	21.94	21.95	21.92				
15										



Band 66 Ant 2									
RB [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Turnup limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.93	23.97	23.98			
20	QPSK	1	49	23.96	23.98	23.97	25	0	
20	QPSK	99	99	23.98	23.97	23.98			
20	QPSK	50	0	22.97	23.00	22.93			
20	QPSK	50	24	22.98	23.04	22.95	24	1	
20	QPSK	50	50	22.99	22.99	22.99			
20	QPSK	100	0	22.99	23.00	22.91			
20	16QAM	1	0	23.22	23.43	23.26			
20	16QAM	1	49	23.18	23.28	23.10	24	1	
20	16QAM	1	99	23.16	23.15	23.12			
20	16QAM	50	0	22.02	22.01	21.96			
20	16QAM	50	24	22.08	21.98	22.00	23	2	
20	16QAM	50	50	21.98	21.97	21.97			
20	16QAM	100	0	22.03	22.02	21.93			
20	64QAM	1	0	22.24	22.17	22.16			
20	64QAM	1	49	22.14	22.23	22.02	23	2	
20	64QAM	1	99	22.02	21.91	22.07			
20	64QAM	50	0	20.97	21.00	20.95			
20	64QAM	50	24	21.08	20.98	21.00	22	3	
20	64QAM	50	50	21.00	20.97	20.98			
20	256QAM	100	0	21.01	21.04	20.94			
20	256QAM	25	24	21.08	20.98	20.99			
20	256QAM	1	49	18.95	18.97	18.98	20	5	
20	256QAM	1	99	18.74	18.78	18.74			
20	256QAM	50	24	18.71	18.74	18.70	20	5	
20	256QAM	50	50	18.81	18.83	18.80			
20	256QAM	100	0	18.78	18.79	18.79			
Channel									
Frequency (MHz)									
15	QPSK	1	0	1717.5	1745	1772.5			
15	QPSK	1	37	23.99	23.99	23.85	25	0	
15	QPSK	1	74	23.77	23.76	23.74			
15	QPSK	24	0	22.98	22.98	22.89			
15	QPSK	36	20	22.99	22.99	22.94	24	1	
15	QPSK	36	39	22.95	22.91	22.87			
15	QPSK	75	0	22.98	22.97	22.92			
15	16QAM	1	0	23.17	23.11	23.19			
15	16QAM	1	37	23.16	23.23	23.15	24	1	
15	16QAM	1	74	23.24	23.26	23.11			
15	16QAM	36	0	21.94	21.95	21.92			
15	16QAM	36	20	22.01	22.00	21.96	23	2	
15	16QAM	36	39	21.94	21.96	21.92			
15	16QAM	75	0	21.97	21.98	21.93			
15	64QAM	1	0	22.11	22.20	22.12			
15	64QAM	1	37	22.23	22.08	22.16	23	2	
15	64QAM	1	74	22.00	21.99	21.96			
15	64QAM	36	0	20.93	20.94	20.90			
15	64QAM	36	20	21.00	20.98	20.97	22	3	
15	64QAM	36	39	20.92	20.93	20.94			
15	64QAM	75	0	20.99	20.97	20.98			
15	256QAM	1	0	18.64	18.68	18.61	20	5	
15	256QAM	1	37	18.69	18.77	18.69			
15	256QAM	1	74	18.67	18.72	18.64			
15	256QAM	36	0	18.58	18.66	18.60			
15	256QAM	36	20	18.65	18.68	18.60			
15	256QAM	36	39	18.64	18.77	18.70	20	5	
15	256QAM	75	0	18.67	18.72	18.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.89	23.93	23.87			
10	QPSK	1	24	23.98	23.93	23.88	25	0	
10	QPSK	1	49	23.79	23.77	23.79			
10	QPSK	25	0	22.93	22.92	22.82			
10	QPSK	25	24	22.98	22.97	22.89			
10	QPSK	25	25	22.98	22.96	22.94	24	1	
10	QPSK	50	0	22.99	22.98	22.96			
10	QPSK	50	24	22.94	22.99	22.91			
10	16QAM	1	25	23.34	23.26	23.16	24	1	
10	16QAM	1	49	23.16	23.05	23.13			
10	16QAM	25	0	21.99	21.99	21.94			
10	16QAM	25	12	22.04	21.98	22.03	23	2	
10	16QAM	25	25	22.03	22.00	21.99			
10	16QAM	50	0	21.98	21.99	21.96			
10	16QAM	50	24	22.11	22.12	22.10			
10	64QAM	1	25	22.13	22.15	22.09	23	2	
10	64QAM	1	49	21.97	22.01	22.03			
10	64QAM	1	74	21.93	21.99	21.95			
10	64QAM	25	0	20.94	20.93	20.95			
10	64QAM	25	12	21.03	21.02	21.05	22	3	
10	64QAM	25	25	20.98	21.00	20.97			
10	64QAM	50	0	21.02	21.01	20.98			
10	256QAM	1	0	18.62	18.65	18.63	20	5	
10	256QAM	1	25	18.68	18.59	18.59			
10	256QAM	1	49	18.65	18.67	18.67			
10	256QAM	25	0	18.62	18.67	18.59			
10	256QAM	25	12	18.63	18.64	18.64			
10	256QAM	25	25	18.72	18.70	18.70	20	5	
10	256QAM	50	0	18.69	18.70	18.72			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.90	23.90	23.77			
5	QPSK	1	12	23.94	23.91	23.89	25	0	
5	QPSK	1	24	23.98	23.97	23.87			
5	QPSK	12	0	22.96	22.92	22.89			
5	QPSK	12	7	23.07	23.04	23.03			
5	QPSK	12	13	23.01	22.99	22.93	24	1	
5	QPSK	25	0	22.98	22.95	22.86			
5	16QAM	1	0	23.23	23.16	23.18			
5	16QAM	1	12	23.21	23.22	23.21	24	1	
5	16QAM	1	24	23.16	23.14	23.12			
5	16QAM	12	0	22.06	21.99	21.99			
5	16QAM	12	7	22.06	22.12	22.06	23	2	
5	16QAM	12	13	21.99	22.03	21.99			
5	16QAM	25	0	22.01	21.99	21.99			
5	64QAM	1	0	22.17	22.13	22.16			
5	64QAM	1	12	22.14	22.19	22.15	23	2	
5	64QAM	1	24	22.07	21.94	22.00			
5	64QAM	12	0	21.01	20.97	20.96			
5	64QAM	12	7	21.09	21.09	21.09	22	3	
5	64QAM	12	13	21.03	21.04	20.98			
5	64QAM	25	0	21.01	21.00	20.92			
5	256QAM	1	0	18.61	18.67	18.62	20	5	
5	256QAM	1	12	18.66	18.91	18.66			
5	256QAM	1	24	18.66	18.68	18.67			
5	256QAM	12	0	18.58	18.58	18.58			
5	256QAM	12	7	18.65	18.65	18.61	20	5	
5	256QAM	12	13	18.71	18.73	18.70			
5	256QAM	25	0	18.68	18.73	18.71			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.89	23.87	23.83			
3	QPSK	1	8	23.96	23.96	23.95	25	0	
3	QPSK	1	14	23.84	23.87	23.80			
3	QPSK	1	8	23.91	23.92	23.91			
3	QPSK	8	0	23.03	23.00	22.90			
3	QPSK	8	7	22.99	22.98	22.94	24	1	
3	QPSK	15	0	22.94	22.97	22.83			
3	16QAM	1	0	23.19	23.11	23.17			
3	16QAM	1	8	23.23	23.27	23.22	24	1	
3	16QAM	1	14	23.14	23.06	23.04			
3	16QAM	8	0	22.09	22.05	21.95			
3	16QAM	8	4	22.08	22.13	22.01	23	2	
3	16QAM	8	7	22.01	22.05	22.02			
3	16QAM	15	0	22.03	22.02	21.91			
3	64QAM	1	0	22.08	21.97	21.99			
3	64QAM	1	8	22.23	22.13	22.18	23	2	
3	64QAM	1	14	22.08	21.07	21.09			
3	64QAM	8	0	21.04	20.95	20.91			
3	64QAM	8	4	21.05	21.09	20.99	22	3	
3	64QAM	8	7	21.01	21.03	20.98			
3	64QAM	15	0	21.04	21.03	20.94			
3	256QAM	1	0	18.64	18.69	18.62	20	5	
3	256QAM	1	8	18.67	18.67	18.67			
3	256QAM	1	14	18.65	18.71	18.65			
3	256QAM	8	0	18.62	18.66	18.58			
3	256QAM	8	7	18.61	18.67	18.63	20	5	
3	256QAM	8	7	18.74	18.77	18.73			
3	256QAM	15	0	18.68	18.70	18.71			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.87	23.89	23.84			
1.4	QPSK	1	2	23.98	23.92	23.88	25	0	
1.4	QPSK	1	5	23.88	23.84	23.83			
1.4	QPSK	3	0	23.87	23.89	23.84			
1.4	QPSK	3	1	23.90	23.89	23.85			
1.4	QPSK	3	2	23.88	23.88	23.88			
1.4	QPSK	6	0	22.95	22.94	22.94	24	1	
1.4	16QAM	1	0	23.28	23.18	23.24			
1.4	16QAM	1	2	23.27	23.22	23.26			
1.4	16QAM	1	5	23.28	23.18	23.19	24	1	
1.4	16QAM	3	0	23.08	23.06	23.01			
1.4	16QAM	3	1	23.02	23.03	22.98			
1.4	16QAM	3	3	23.01	23.02	23.00	23	2	
1.4	16QAM	6	0	22.00	22.00	21.97			
1.4	16QAM	6	2	22.15	22.02	22.12	23	2	
1.4	64QAM	1	0	22.16</					



n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1867	1867	1900			
20	Pi/2 BPSK	1	1	23.92	23.92	23.92	25.0	0.0	
20	Pi/2 BPSK	1	53	23.80	23.88	23.73	25.0	0.0	
20	Pi/2 BPSK	1	104	23.72	23.86	23.72	25.0	0.0	
20	Pi/2 BPSK	50	0	23.92	23.91	23.25	24.5	0.5	
20	Pi/2 BPSK	50	28	23.72	23.82	23.88	25.0	0.0	
20	Pi/2 BPSK	50	56	23.72	23.78	23.73	24.5	0.5	
20	Pi/2 BPSK	100	0	23.72	23.30	23.15	24.5	0.5	
20	QPSK	1	1	23.88	24.00	23.87			
20	QPSK	1	53	23.78	23.94	23.80	25.0	0.0	
20	QPSK	1	104	23.85	23.96	23.91			
20	QPSK	50	0	22.98	23.08	23.03	24.0	1.0	
20	QPSK	50	28	23.88	23.88	23.91	25.0	0.0	
20	QPSK	50	56	23.88	23.72	23.85	24.0	1.0	
20	QPSK	100	0	22.98	23.06	22.99	24.0	1.0	
20	16QAM	1	1	22.77	22.92	22.83	24.0	1.0	
20	16QAM	1	1	21.48	21.58	21.48	22.5	2.5	
20	256QAM	1	1	19.48	19.53	19.44	20.5	4.5	
Channel									
Frequency (MHz)				1900	1900	1900			
Channel				1900	1900	1900			
Frequency (MHz)				1867	1867	1902.5			
15	QPSK	1	1	23.88	23.91	23.85	25.0	0.0	
Channel									
Frequency (MHz)				1900	1900	1900			
Channel				1900	1900	1900			
10	QPSK	1	1	23.88	23.89	23.89	25.0	0.0	
Channel									
Frequency (MHz)				1900	1900	1900			
Channel				1900	1900	1900			
5	QPSK	1	1	23.92	23.92	23.92	25.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37000	37000	38000			
20	Pi/2 BPSK	1	1	23.90	23.93	23.88	25.0	0.0	
20	Pi/2 BPSK	1	53	23.80	23.88	23.73	25.0	0.0	
20	Pi/2 BPSK	1	104	23.72	23.86	23.72	25.0	0.0	
20	Pi/2 BPSK	50	0	23.92	23.91	23.25	24.5	0.5	
20	Pi/2 BPSK	50	28	23.72	23.82	23.88	25.0	0.0	
20	Pi/2 BPSK	50	56	23.72	23.78	23.73	24.5	0.5	
20	Pi/2 BPSK	100	0	23.72	23.30	23.15	24.5	0.5	
20	QPSK	1	1	23.88	24.00	23.87			
20	QPSK	1	53	23.78	23.94	23.80	25.0	0.0	
20	QPSK	1	104	23.85	23.96	23.91			
20	QPSK	50	0	22.98	23.08	23.03	24.0	1.0	
20	QPSK	50	28	23.88	23.88	23.91	25.0	0.0	
20	QPSK	50	56	23.88	23.72	23.85	24.0	1.0	
20	QPSK	100	0	22.98	23.06	22.99	24.0	1.0	
20	16QAM	1	1	22.77	22.92	22.83	24.0	1.0	
20	16QAM	1	1	21.48	21.58	21.48	22.5	2.5	
20	256QAM	1	1	19.48	19.53	19.44	20.5	4.5	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
15	QPSK	1	1	23.88	23.91	23.85	25.0	0.0	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
10	QPSK	1	1	23.88	23.89	23.89	25.0	0.0	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
5	QPSK	1	1	23.90	23.92	23.90	25.0	0.0	

n2_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37000	37000	38000			
20	Pi/2 BPSK	1	1	23.93	23.90	23.90			
20	Pi/2 BPSK	1	53	22.87	22.83	22.89	24.5	0.0	
20	Pi/2 BPSK	1	104	23.75	23.74	23.73			
20	Pi/2 BPSK	50	0	22.98	22.98	22.25	24.0	0.5	
20	Pi/2 BPSK	50	28	22.70	22.84	22.75	24.5	0.0	
20	Pi/2 BPSK	50	56	22.77	22.93	22.76	24.0	0.5	
20	Pi/2 BPSK	100	0	22.77	22.31	22.20	24.0	0.5	
20	QPSK	1	1	23.90	23.90	23.90			
20	QPSK	1	53	22.73	22.89	22.75	24.5	0.0	
20	QPSK	1	104	22.87	22.83	22.74			
20	QPSK	50	0	21.87	21.75	21.80	23.5	1.0	
20	QPSK	50	28	22.78	22.85	22.73	24.5	0.0	
20	QPSK	50	56	21.51	21.67	21.50	23.5	1.0	
20	QPSK	100	0	21.74	21.83	21.76	23.5	1.0	
20	16QAM	1	1	21.48	21.81	21.72	23.5	1.0	
20	16QAM	1	1	20.17	20.32	20.18	20.0	2.5	
20	256QAM	1	1	18.28	18.33	18.22	20.0	4.5	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
15	QPSK	1	1	22.80	22.83	22.77	24.5	0.0	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
10	QPSK	1	1	21.74	21.87	21.75	24.5	0.0	
Channel									
Frequency (MHz)				37000	37000	38000			
Channel				37000	37000	38000			
5	QPSK	1	1	23.75	23.92	23.75	24.5	0.0	





n5_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				166600	167500	167900		
20	PV2 BPSK	1	1	24.5	24.5	24.5	20.0	0.0
20	PV2 BPSK	1	53	24.40	24.47	24.45		
20	PV2 BPSK	1	104	24.32	24.27	24.51		
20	PV2 BPSK	50	0	23.98	24.08	23.92	25.5	0.5
20	PV2 BPSK	50	28	24.47	24.58	24.52	26.0	0.0
20	PV2 BPSK	50	56	23.92	24.05	23.98	25.5	0.5
20	QPSK	1	1	24.58	24.68	24.62		
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0
20	QPSK	1	104	24.50	24.63	24.51		
20	QPSK	50	0	23.92	23.77	23.85	25.0	1.0
20	QPSK	50	28	24.55	24.62	24.52	26.0	0.0
20	QPSK	50	56	23.70	23.78	23.67	25.0	1.0
20	QPSK	100	0	23.88	23.73	23.58	25.0	1.0
20	16QAM	1	1	23.82	23.88	23.98	25.0	1.0
20	16QAM	1	1	22.18	22.28	22.15	23.5	2.5
20	256QAM	1	1	20.34	20.23	20.11	21.5	4.5
Channel								
Frequency (MHz)				168500	167500	166500		
15	QPSK	1	1	24.47	24.52	24.48	26.0	0.0
Channel								
Frequency (MHz)				169	169.5	170		
10	QPSK	1	1	24.5	24.6	24.65	26.0	0.0
Channel								
Frequency (MHz)				168500	167500	166500		
5	QPSK	1	1	24.45	24.50	24.47	26.0	0.0

n5_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				166600	167500	167900		
20	PV2 BPSK	1	1	24.5	24.5	24.5	20.0	0.0
20	PV2 BPSK	1	53	24.40	24.47	24.45		
20	PV2 BPSK	1	104	24.32	24.27	24.51		
20	PV2 BPSK	50	0	23.98	24.08	23.92	25.0	0.5
20	PV2 BPSK	50	28	24.47	24.58	24.52	26.0	0.0
20	PV2 BPSK	50	56	23.92	24.05	23.98	25.5	0.5
20	QPSK	1	1	24.58	24.68	24.62		
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0
20	QPSK	1	104	24.50	24.63	24.51		
20	QPSK	50	0	23.92	23.77	23.85	25.0	1.0
20	QPSK	50	28	24.55	24.62	24.52	26.0	0.0
20	QPSK	50	56	23.70	23.78	23.67	25.0	1.0
20	QPSK	100	0	23.88	23.73	23.58	25.0	1.0
20	16QAM	1	1	23.82	23.88	23.98	25.0	1.0
20	16QAM	1	1	22.18	22.28	22.15	23.5	2.5
20	256QAM	1	1	20.34	20.23	20.11	21.5	4.5
Channel								
Frequency (MHz)				168500	167500	166500		
15	QPSK	1	1	24.47	24.52	24.48	26.0	0.0
Channel								
Frequency (MHz)				169	169.5	170		
10	QPSK	1	1	24.5	24.6	24.65	26.0	0.0
Channel								
Frequency (MHz)				168500	167500	166500		
5	QPSK	1	1	24.45	24.50	24.47	26.0	0.0

n7_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				566000	567000	516000		
40	PV2 BPSK	1	1	23.78	23.82	23.88	25.0	0.0
40	PV2 BPSK	1	108	23.70	23.82	23.88		
40	PV2 BPSK	1	214	23.74	23.85	23.75		
40	PV2 BPSK	108	0	23.27	23.32	23.19	24.5	0.5
40	PV2 BPSK	108	54	23.72	23.80	23.71	25.0	0.0
40	PV2 BPSK	108	108	23.15	23.30	23.18	24.5	0.5
40	PV2 BPSK	216	0	23.19	23.33	23.18		
40	QPSK	1	1	23.80	23.92	23.90		
40	QPSK	1	108	23.74	23.83	23.78	25.0	0.0
40	QPSK	1	214	23.88	23.80	23.88		
40	QPSK	108	0	22.99	23.05	22.98	24.0	1.0
40	QPSK	108	54	23.71	23.83	23.88	25.0	0.0
40	QPSK	108	108	23.65	23.15	23.68	24.0	1.0
40	QPSK	216	0	22.90	23.03	22.88	24.0	1.0
40	16QAM	1	1	22.98	23.01	22.93	24.0	1.0
40	16QAM	1	1	21.41	21.58	21.44	23.5	2.5
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5
Channel								
Frequency (MHz)				563000	563000	516000		
30	QPSK	1	1	23.78	23.87	23.78	25.0	0.0
Channel								
Frequency (MHz)				565000	567000	516000		
20	QPSK	1	1	23.73	23.75	23.80	23.0	0.0
Channel								
Frequency (MHz)				563000	567000	516000		
20	QPSK	1	1	23.65	23.85	23.91	25.0	0.0
Channel								
Frequency (MHz)				563000	567000	516000		
15	QPSK	1	1	23.65	23.84	23.84	25.0	0.0
Channel								
Frequency (MHz)				563000	567000	516000		
10	QPSK	1	1	23.64	23.85	23.78	25.0	0.0
Channel								
Frequency (MHz)				563000	567000	516000		
5	QPSK	1	1	23.70	23.78	23.79	25.0	0.0



n7_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
				5000	5000	5000		
40	PQPSK	1	1	23.71	23.71	23.83		
40	PQPSK	1	108	23.70	23.82	23.86	25.0	0.0
40	PQPSK	1	214	23.74	23.88	23.72		
40	PQPSK	108	0	23.77	23.52	23.19	24.5	0.5
40	PQPSK	108	54	23.72	23.80	23.71	25.0	0.0
40	PQPSK	108	108	23.15	23.30	23.18	24.5	0.5
40	PQPSK	216	0	23.19	23.33	23.18		
40	QPSK	1	1	23.80	23.80	23.80		
40	QPSK	1	108	23.74	23.83	23.76	25.0	0.0
40	QPSK	1	214	23.68	23.80	23.86		
40	QPSK	108	0	22.90	23.05	22.98	24.0	1.0
40	QPSK	108	54	23.71	23.83	23.88	25.0	0.0
40	QPSK	108	108	23.06	23.21	23.08	24.0	1.0
40	QPSK	216	0	22.90	23.03	22.98		
40	16QAM	1	1	22.96	23.07	22.93	24.0	1.0
40	16QAM	1	1	21.41	21.56	21.44	22.5	2.5
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5
Channel								
				5000	5000	5000		
Frequency (MHz)								
				2510	2530	2550		
30	QPSK	1	1	23.72	23.87	23.78	25.0	0.0
Channel								
				2550	2570	2570		
Frequency (MHz)								
				2572	2572	2572		
20	QPSK	1	1	23.72	23.78	23.82	25.0	0.0
Channel								
				5000	5000	5000		
Frequency (MHz)								
				2570	2570	2570		
10	QPSK	1	1	23.65	23.84	23.84	25.0	0.0
Channel								
				5000	5000	5000		
Frequency (MHz)								
				2566	2566	2566		
10	QPSK	1	1	23.84	23.85	23.78	25.0	0.0
Channel								
				5000	5000	5000		
Frequency (MHz)								
				2562	2562	2562		
5	QPSK	1	1	23.70	23.78	23.79	25.0	0.0

n12_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
				14100	14100	14100		
Frequency (MHz)								
				707.5	707.5	707.5		
15	PQPSK	1	1	24.42	24.53	24.50		
15	PQPSK	1	40	24.33	24.41	24.40	26.0	0.0
15	PQPSK	1	77	24.38	24.47	24.45		
15	PQPSK	36	0	23.88	23.91	23.90	25.0	0.5
15	PQPSK	36	22	24.42	24.43	24.40	25.0	0.0
15	PQPSK	36	43	23.91	23.93	23.88	25.5	0.5
15	PQPSK	75	0	23.84	23.93	23.90		
15	QPSK	1	1	24.40	24.40	24.40		
15	QPSK	1	40	24.42	24.53	24.44	26.0	0.0
15	QPSK	1	77	24.38	24.50	24.34		
15	QPSK	36	0	23.88	23.93	23.92	25.0	1.0
15	QPSK	36	22	24.47	24.52	24.38	25.0	0.0
15	QPSK	36	43	23.95	23.98	23.90	25.0	1.0
15	QPSK	75	0	23.90	23.98	23.93		
15	16QAM	1	1	23.42	23.55	23.46	25.0	1.0
15	16QAM	1	1	22.02	22.13	21.97	23.5	2.5
15	256QAM	1	1	19.98	20.04	19.94	21.5	4.5
Channel								
				14100	14100	14100		
Frequency (MHz)								
				704	707.5	711		
10	QPSK	1	1	24.42	24.44	24.45	26.0	0.0
Channel								
				14100	14100	14100		
Frequency (MHz)								
				707.5	707.5	711.5		
5	QPSK	1	1	24.45	24.40	24.36	26.0	0.0

n12_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
				14100	14100	14100		
Frequency (MHz)								
				707.5	707.5	707.5		
15	PQPSK	1	1	24.43	24.53	24.50		
15	PQPSK	1	40	24.33	24.41	24.40	26.0	0.0
15	PQPSK	1	77	24.38	24.47	24.45		
15	PQPSK	36	0	23.88	23.91	23.90	25.0	0.5
15	PQPSK	36	22	24.42	24.43	24.40	25.0	0.0
15	PQPSK	36	43	23.91	23.93	23.88	25.5	0.5
15	PQPSK	75	0	23.84	23.93	23.90		
15	QPSK	1	1	24.40	24.40	24.40		
15	QPSK	1	40	24.42	24.53	24.44	26.0	0.0
15	QPSK	1	77	24.38	24.50	24.34		
15	QPSK	36	0	23.88	23.93	23.92	25.0	1.0
15	QPSK	36	22	24.47	24.52	24.38	25.0	0.0
15	QPSK	36	43	23.95	23.98	23.90	25.0	1.0
15	QPSK	75	0	23.90	23.98	23.93		
15	16QAM	1	1	23.42	23.55	23.46	25.0	1.0
15	16QAM	1	1	22.02	22.13	21.97	23.5	2.5
15	256QAM	1	1	19.98	20.04	19.94	21.5	4.5
Channel								
				14100	14100	14100		
Frequency (MHz)								
				704	707.5	711		
10	QPSK	1	1	24.42	24.44	24.45	26.0	0.0
Channel								
				14100	14100	14100		
Frequency (MHz)								
				707.5	707.5	711.5		
5	QPSK	1	1	24.45	24.40	24.36	26.0	0.0



n25_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. (MHz)	Mid Ch. F. (MHz)	High Ch. F. (MHz)		
Channel								
	Frequency (MHz)			1810	1812	1816		
40	PB2 BPSK	1	1	24.25	24.45	24.41	25.0	0.0
40	PB2 BPSK	1	108	24.27	24.38	24.32	25.0	0.0
40	PB2 BPSK	1	214	24.28	24.42	24.32	25.0	0.0
40	PB2 BPSK	108	0	23.87	23.95	23.86	24.5	0.5
40	PB2 BPSK	108	54	24.25	24.40	24.33	25.0	0.0
40	PB2 BPSK	108	108	23.85	23.92	23.83	24.5	0.5
40	PB2 BPSK	216	0	23.83	23.93	23.81	24.5	0.5
40	QPSK	1	1	24.43	24.53	24.48		
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0
40	QPSK	1	214	24.34	24.45	24.29		
40	QPSK	108	0	23.19	23.33	23.28	24.0	1.0
40	QPSK	108	54	24.33	24.45	24.34	25.0	0.0
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0
40	QPSK	216	0	23.31	23.38	23.22	24.0	1.0
40	16QAM	1	1	23.28	23.31	23.28	24.0	1.0
40	16QAM	1	1	21.88	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	4.5
Channel								
	Frequency (MHz)			1865	1862	1900		
30	QPSK	1	1	24.85	24.87	24.88	25.0	0.0
Channel								
	Frequency (MHz)			1892.5	1892.5	1902.5		
25	QPSK	1	1	24.93	24.48	24.95	25.0	0.0
Channel								
	Frequency (MHz)			37500	37600	38100		
20	QPSK	1	1	24.28	24.47	24.38	25.0	0.0
Channel								
	Frequency (MHz)			37150	37600	38150		
16	QPSK	1	1	24.52	24.45	24.38	25.0	0.0
Channel								
	Frequency (MHz)			37300	37600	38000		
16	QPSK	1	1	24.34	24.39	24.37	25.0	0.0
Channel								
	Frequency (MHz)			1852	1852	1912.5		
3	QPSK	1	1	24.29	24.40	24.36	25.0	0.0

n25_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. (MHz)	Mid Ch. F. (MHz)	High Ch. F. (MHz)		
Channel								
	Frequency (MHz)			37400	37600	39500		
40	PB2 BPSK	1	1	24.55	24.65	24.41		
40	PB2 BPSK	1	108	24.27	24.38	24.32	25.0	0.0
40	PB2 BPSK	1	214	24.34	24.43	24.32		
40	PB2 BPSK	108	0	23.87	23.95	23.86	24.5	0.5
40	PB2 BPSK	108	54	24.25	24.40	24.33	25.0	0.0
40	PB2 BPSK	108	108	23.85	23.92	23.83	24.5	0.5
40	PB2 BPSK	216	0	23.83	23.93	23.81	24.5	0.5
40	QPSK	1	1	24.43	24.53	24.48		
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0
40	QPSK	1	214	24.34	24.45	24.29		
40	QPSK	108	0	23.19	23.33	23.28	24.0	1.0
40	QPSK	108	54	24.33	24.45	24.34	25.0	0.0
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0
40	QPSK	216	0	23.31	23.38	23.22	24.0	1.0
40	16QAM	1	1	23.28	23.31	23.28	24.0	1.0
40	16QAM	1	1	21.88	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	4.5
Channel								
	Frequency (MHz)			37200	37300	38000		
30	QPSK	1	1	24.85	24.87	24.88	25.0	0.0
Channel								
	Frequency (MHz)			1892.5	1892.5	1902.5		
25	QPSK	1	1	24.78	24.48	24.95	25.0	0.0
Channel								
	Frequency (MHz)			37200	37600	38100		
20	QPSK	1	1	24.28	24.47	24.38	25.0	0.0
Channel								
	Frequency (MHz)			37150	37600	38150		
16	QPSK	1	1	24.52	24.45	24.38	25.0	0.0
Channel								
	Frequency (MHz)			37300	37600	38000		
16	QPSK	1	1	24.34	24.39	24.37	25.0	0.0
Channel								
	Frequency (MHz)			1852	1852	1912.5		
3	QPSK	1	1	24.29	24.40	24.36	25.0	0.0

n25_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F. (MHz)	Mid Ch. F. (MHz)	High Ch. F. (MHz)		
Channel								
	Frequency (MHz)			37400	37600	39500		
40	PB2 BPSK	1	1	22.91	23.00	22.98		
40	PB2 BPSK	1	108	22.78	22.89	22.91	24.5	0.0
40	PB2 BPSK	1	214	23.83	23.86	23.93		
40	PB2 BPSK	108	0	22.29	22.34	22.42	24.0	0.5
40	PB2 BPSK	108	54	22.82	22.91	22.82	24.5	0.0
40	PB2 BPSK	108	108	22.27	22.45	22.39	24.0	0.5
40	PB2 BPSK	216	0	22.27	22.40	22.35	24.0	0.5
40	QPSK	1	1	23.95	23.93	23.93		
40	QPSK	1	108	22.79	22.88	22.73	24.5	0.0
40	QPSK	1	214	22.88	22.93	22.82		
40	QPSK	108	0	21.88	21.81	21.78	23.5	1.0
40	QPSK	108	54	22.79	22.85	22.74	24.5	1.0
40	QPSK	108	108	21.83	21.73	21.81	23.5	1.0
40	QPSK	216	0	21.88	21.83	21.76	23.5	1.0
40	16QAM	1	1	21.71	21.81	21.75	23.5	1.0
40	16QAM	1	1	20.21	20.38	20.20	22.0	2.5
40	256QAM	1	1	18.24	18.33	18.20	20.0	4.5
Channel								
	Frequency (MHz)			37300	37600	38000		
30	QPSK	1	1	22.86	22.91	22.88	24.5	0.0
Channel								
	Frequency (MHz)			1892.5	1892.5	1902.5		
25	QPSK	1	1	21.84	21.97	21.90	23.5	0.0
Channel								
	Frequency (MHz)			37300	37600	38100		
20	QPSK	1	1	22.86	22.94	22.86	24.5	0.0
Channel								
	Frequency (MHz)			37150	37600	38150		
16	QPSK	1	1	22.82	22.90	22.88	24.5	0.0
Channel								
	Frequency (MHz)			37300	37600	38000		
16	QPSK	1	1	22.81	22.89	22.91	24.5	0.0
Channel								
	Frequency (MHz)			1852	1852	1912.5		
3	QPSK	1	1	22.82	22.96	22.91	24.5	0.0



n30_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PV2 BPSK	1	1	18.72	18.72	18.72	18.0	0.0
10	PV2 BPSK	1	26	18.67	18.67	18.67	18.0	0.0
10	PV2 BPSK	1	50	18.62	18.62	18.62	18.0	0.0
10	PV2 BPSK	25	0	18.67	18.67	18.67	18.0	0.0
10	PV2 BPSK	25	14	18.62	18.62	18.62	18.0	0.0
10	PV2 BPSK	25	27	18.56	18.56	18.56	18.0	0.0
10	PV2 BPSK	50	0	18.68	18.68	18.68	18.0	0.0
10	QPSK	1	1	18.72	18.72	18.72	18.0	0.0
10	QPSK	1	26	18.71	18.71	18.71	18.0	0.0
10	QPSK	1	50	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	0	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	14	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	27	18.72	18.72	18.72	18.0	0.0
10	QPSK	50	0	18.71	18.71	18.71	18.0	0.0
10	16QAM	1	1	18.84	18.84	18.84	18.0	0.0
10	16QAM	1	1	18.85	18.85	18.85	18.0	0.0
10	256QAM	1	1	18.87	18.87	18.87	18.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.54	18.88	18.60	18.0	0.0

n30_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PV2 BPSK	1	1	18.72	18.72	18.72	18.0	0.0
10	PV2 BPSK	1	26	18.67	18.67	18.67	18.0	0.0
10	PV2 BPSK	1	50	18.62	18.62	18.62	18.0	0.0
10	PV2 BPSK	25	0	18.67	18.67	18.67	18.0	0.0
10	PV2 BPSK	25	14	18.62	18.62	18.62	18.0	0.0
10	PV2 BPSK	25	27	18.56	18.56	18.56	18.0	0.0
10	PV2 BPSK	50	0	18.68	18.68	18.68	18.0	0.0
10	QPSK	1	1	18.72	18.72	18.72	18.0	0.0
10	QPSK	1	26	18.71	18.71	18.71	18.0	0.0
10	QPSK	1	50	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	0	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	14	18.72	18.72	18.72	18.0	0.0
10	QPSK	25	27	18.72	18.72	18.72	18.0	0.0
10	QPSK	50	0	18.71	18.71	18.71	18.0	0.0
10	16QAM	1	1	18.84	18.84	18.84	18.0	0.0
10	16QAM	1	1	18.85	18.85	18.85	18.0	0.0
10	256QAM	1	1	18.87	18.87	18.87	18.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.54	18.60	18.60	18.0	0.0

n30_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	PV2 BPSK	1	1	22.72	22.72	22.72	24.5	0.0
10	PV2 BPSK	1	26	22.68	22.68	22.68	24.5	0.0
10	PV2 BPSK	1	50	22.72	22.72	22.72	24.5	0.0
10	PV2 BPSK	25	0	22.72	22.72	22.72	24.5	0.5
10	PV2 BPSK	25	14	22.68	22.68	22.68	24.5	0.0
10	PV2 BPSK	25	27	22.72	22.72	22.72	24.5	0.5
10	PV2 BPSK	50	0	22.20	22.20	22.20	24.0	0.5
10	QPSK	1	1	22.72	22.72	22.72	24.5	0.0
10	QPSK	1	26	22.72	22.72	22.72	24.5	0.0
10	QPSK	1	50	22.72	22.72	22.72	24.5	0.0
10	QPSK	25	0	22.72	22.72	22.72	24.5	1.0
10	QPSK	25	14	22.68	22.68	22.68	24.5	0.0
10	QPSK	25	27	22.72	22.72	22.72	24.5	1.0
10	QPSK	50	0	22.68	22.68	22.68	24.5	1.0
10	16QAM	1	1	22.58	22.58	22.58	23.5	1.0
10	16QAM	1	1	22.11	22.11	22.11	23.0	2.5
10	256QAM	1	1	22.13	22.13	22.13	23.0	4.5
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.73	22.78	22.85	24.5	0.0



n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)								
40	P12-BPSK	1	1	1730	1745	1760		
40	P12-BPSK	1	108	24.42	24.50	24.45	25.0	0.0
40	P12-BPSK	1	214	24.26	24.40	24.34		
40	P12-BPSK	1	244	24.35	24.43	24.34		
40	P12-BPSK	108	0	23.87	23.98	23.84	24.5	0.5
40	P12-BPSK	108	54	24.30	24.45	24.39	25.0	0.0
40	P12-BPSK	108	108	23.85	23.95	23.81	24.5	0.5
40	P12-BPSK	216	0	23.89	23.95	23.83	24.5	0.5
40	QPSK	1	1	24.45	24.53	24.48		
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0
40	QPSK	1	214	24.31	24.43	24.33		
40	QPSK	108	0	23.32	23.43	23.28	24.0	1.0
40	QPSK	108	54	24.31	24.38	24.25	25.0	0.0
40	QPSK	108	108	23.28	23.32	23.21	24.0	1.0
40	QPSK	216	0	23.12	23.28	23.18	24.0	1.0
40	16QAM	1	1	23.23	23.33	23.28	24.0	1.0
40	16QAM	1	1	21.86	21.89	21.77	22.5	2.5
40	256QAM	1	1	19.81	19.88	19.82	20.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	1730	1745	1760		
30	QPSK	1	1	24.37	24.38	24.37	25.0	0.0
30	QPSK	1	1	24.99	24.99	24.99		
30	QPSK	1	1	1723.5	1745	1767.5		
20	QPSK	1	1	24.29	24.47	24.41	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	1730	1745	1760		
30	QPSK	1	1	24.39	24.45	24.34	25.0	0.0
20	QPSK	1	1	24.29	24.43	24.33	25.0	0.0
15	QPSK	1	1	24.29	24.43	24.33	25.0	0.0
15	QPSK	1	1	24.29	24.43	24.33	25.0	0.0
15	QPSK	1	1	24.29	24.48	24.40	25.0	0.0
10	QPSK	1	1	24.29	24.48	24.40	25.0	0.0
Channel								
Frequency (MHz)								
1	QPSK	1	1	1712.5	1745	1777.5		
1	QPSK	1	1	24.34	24.48	24.34	25.0	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)								
40	P12-BPSK	1	1	1740	1745	1740		
40	P12-BPSK	1	108	24.42	24.50	24.45	25.0	0.0
40	P12-BPSK	1	214	24.26	24.40	24.34		
40	P12-BPSK	1	244	24.35	24.43	24.34		
40	P12-BPSK	108	0	23.87	23.98	23.84	24.5	0.5
40	P12-BPSK	108	54	24.33	24.45	24.39	25.0	0.0
40	P12-BPSK	108	108	23.80	23.93	23.81	24.5	0.5
40	P12-BPSK	216	0	23.89	23.95	23.83	24.5	0.5
40	QPSK	1	1	24.45	24.53	24.48		
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0
40	QPSK	1	214	24.31	24.43	24.33		
40	QPSK	108	0	23.32	23.43	23.28	24.0	1.0
40	QPSK	108	54	24.31	24.38	24.25	25.0	0.0
40	QPSK	108	108	23.28	23.32	23.21	24.0	1.0
40	QPSK	216	0	23.12	23.28	23.18	24.0	1.0
40	16QAM	1	1	23.23	23.33	23.28	24.0	1.0
40	16QAM	1	1	21.86	21.89	21.77	22.5	2.5
40	256QAM	1	1	19.81	19.88	19.82	20.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	1740	1745	1740		
30	QPSK	1	1	24.37	24.38	24.37	25.0	0.0
30	QPSK	1	1	24.99	24.99	24.99		
30	QPSK	1	1	1723.5	1745	1767.5		
20	QPSK	1	1	24.29	24.47	24.41	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	1740	1745	1740		
30	QPSK	1	1	24.39	24.45	24.34	25.0	0.0
20	QPSK	1	1	24.29	24.43	24.33	25.0	0.0
15	QPSK	1	1	24.29	24.43	24.33	25.0	0.0
15	QPSK	1	1	24.29	24.48	24.40	25.0	0.0
10	QPSK	1	1	24.29	24.48	24.40	25.0	0.0
Channel								
Frequency (MHz)								
1	QPSK	1	1	1712.5	1745	1777.5		
1	QPSK	1	1	24.34	24.48	24.34	25.0	0.0

n66_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Midle Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)								
40	P12-BPSK	1	1	1750	1745	1740		
40	P12-BPSK	1	1	22.72	22.92	22.83	24.5	0.0
40	P12-BPSK	1	108	22.72	22.83	22.79		
40	P12-BPSK	1	214	22.82	22.89	22.73		
40	P12-BPSK	108	0	22.19	22.32	22.17	24.0	0.5
40	P12-BPSK	108	54	22.78	22.83	22.76	24.5	0.0
40	P12-BPSK	108	108	22.25	22.35	22.20	24.0	0.5
40	P12-BPSK	216	0	22.18	22.30	22.14	24.0	0.5
40	QPSK	1	1	22.92	22.95	22.88		
40	QPSK	1	108	22.82	22.88	22.83	24.5	0.0
40	QPSK	1	214	22.84	22.92	22.76		
40	QPSK	108	0	21.70	21.82	21.68	23.5	1.0
40	QPSK	108	54	22.74	22.80	22.78	24.5	1.0
40	QPSK	108	108	21.65	21.73	21.61	23.5	1.0
40	QPSK	216	0	21.78	21.88	21.84	23.5	1.0
40	16QAM	1	1	21.78	21.90	21.78	23.5	1.0
40	16QAM	1	1	20.31	20.42	20.37	22.0	2.5
40	256QAM	1	1	18.27	18.35	18.20	20.0	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	1750	1745	1740		
30	QPSK	1	1	22.85	22.89	22.78	24.5	0.0
30	QPSK	1	1	24.99	24.99	24.99		
30	QPSK	1	1	1723.5	1745	1767.5		
20	QPSK	1	1	21.85	21.80	21.80	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	1750	1745	1740		
30	QPSK	1	1	22.85	22.89	22.78	24.5	0.0
20	QPSK	1	1	21.85	21.80	21.77	23.5	0.0
15	QPSK	1	1	21.85	22.84	22.83	24.5	0.0
15	QPSK	1	1	21.85	22.84	22.83	24.5	0.0
10	QPSK	1	1	22.85	22.80	22.82	24.5	0.0
Channel								
Frequency (MHz)								
1	QPSK	1	1	1713.5	1745	1777.5		
1	QPSK	1	1	22.79	22.84	22.75	24.5	0.0



n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Take-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				156600	156700	157600			
Frequency (MHz)				87.1	88.5	89.8			
20	PI2 BPSK	1	1	24.43	24.40	24.55	26.0	0.0	
20	PI2 BPSK	1	53	24.37	24.40	24.49	26.0	0.0	
20	PI2 BPSK	1	104	24.31	24.40	24.47	26.0	0.0	
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5	
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0	
20	PI2 BPSK	50	56	23.79	23.97	23.93	25.5	0.5	
20	PI2 BPSK	100	0	23.82	24.05	23.98	25.5	0.5	
20	QPSK	1	1	24.46	24.53	24.59	26.0	0.0	
20	QPSK	1	53	24.46	24.53	24.46	26.0	0.0	
20	QPSK	1	104	24.46	24.56	24.51	26.0	0.0	
20	QPSK	50	0	23.49	23.59	23.43	25.0	1.0	
20	QPSK	50	28	24.46	24.54	24.39	26.0	0.0	
20	QPSK	50	56	23.43	23.49	23.49	25.0	1.0	
20	QPSK	100	0	23.42	23.55	23.39	25.0	1.0	
20	16QAM	1	1	23.38	23.52	23.38	25.0	1.0	
20	16QAM	1	1	21.74	21.85	21.79	23.5	2.5	
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5	
Channel				157100	157200	157900			
Frequency (MHz)				89.5	90.5	90.5			
15	PI2 BPSK	1	1	24.43	24.42	24.42	26.0	0.0	
Channel				157600	157700	157700			
Frequency (MHz)				89.8	89.5	89.8			
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0	
Channel				158100	158100	159100			
Frequency (MHz)				90.1	90.1	90.2			
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0	

n71_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Take-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				156600	156700	157600			
Frequency (MHz)				87.1	88.5	89.8			
20	PI2 BPSK	1	1	24.43	24.40	24.55	26.0	0.0	
20	PI2 BPSK	1	53	24.37	24.46	24.49	26.0	0.0	
20	PI2 BPSK	1	104	24.31	24.52	24.47	26.0	0.0	
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5	
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0	
20	PI2 BPSK	50	56	23.79	23.97	23.93	25.5	0.5	
20	PI2 BPSK	100	0	23.82	24.05	23.98	25.5	0.5	
20	QPSK	1	1	24.46	24.53	24.59	26.0	0.0	
20	QPSK	1	53	24.46	24.53	24.46	26.0	0.0	
20	QPSK	1	104	24.46	24.56	24.51	26.0	0.0	
20	QPSK	50	0	23.49	23.59	23.43	25.0	1.0	
20	QPSK	50	28	24.46	24.54	24.39	26.0	0.0	
20	QPSK	50	56	23.43	23.49	23.49	25.0	1.0	
20	QPSK	100	0	23.42	23.55	23.39	25.0	1.0	
20	16QAM	1	1	23.38	23.52	23.38	25.0	1.0	
20	16QAM	1	1	21.74	21.85	21.79	23.5	2.5	
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5	
Channel				157100	157200	157900			
Frequency (MHz)				89.5	90.5	90.5			
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0	
Channel				157600	157700	157700			
Frequency (MHz)				89.8	89.5	89.8			
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0	
Channel				158100	158100	159100			
Frequency (MHz)				90.1	90.1	90.2			
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0	



n41_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				506202	518598	528000		
100	Pi2 BPSK	1	1	23.41	23.33	23.52		
100	Pi2 BPSK	1	137	23.32	23.45	23.40	25.0	0.0
100	Pi2 BPSK	1	271	23.29	23.37	23.36		
100	Pi2 BPSK	135	0	23.28	23.45	23.36	25.0	0.0
100	Pi2 BPSK	135	69	23.28	23.38	23.39	25.0	0.0
100	Pi2 BPSK	135	138	23.28	23.46	23.43	25.0	0.0
100	Pi2 BPSK	270	0	23.35	23.48	23.45		
100	QPSK	1	1	23.45	23.59	23.55		
100	QPSK	1	137	23.35	23.40	23.36	25.0	0.0
100	QPSK	1	271	23.46	23.53	23.41		
100	QPSK	135	0	23.22	23.38	23.32		
100	QPSK	135	69	23.30	23.41	23.27	25.0	0.0
100	QPSK	135	138	23.32	23.40	23.34		
100	QPSK	270	0	23.01	23.13	23.04	25.0	0.0
100	16QAM	1	1	23.48	23.53	23.39	25.0	0.0
100	16QAM	1	1	23.35	23.50	23.43	25.0	0.0
100	256QAM	1	1	21.86	21.92	21.85	23.0	2.0
Channel								
Frequency (MHz)				506200	518598	528998	Tune-up limit (dB)	MPR
90	QPSK	1	1	23.33	23.40	23.42	25.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up limit (dB)	MPR
80	QPSK	1	1	23.38	23.54	23.46	25.0	0.0
Channel								
Frequency (MHz)				503101	529299	2655	Tune-up limit (dB)	MPR
70	QPSK	1	1	23.37	23.51	23.44	25.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dB)	MPR
60	QPSK	1	1	23.30	23.51	23.42	25.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dB)	MPR
50	QPSK	1	1	23.33	23.53	23.41	25.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dB)	MPR
40	QPSK	1	1	23.32	23.52	23.43	25.0	0.0
Channel								
Frequency (MHz)				502203	518598	535998	Tune-up limit (dB)	MPR
30	QPSK	1	1	23.30	23.51	23.44	25.0	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dB)	MPR
25	QPSK	1	1	23.35	23.43	23.47	25.0	0.0
Channel								
Frequency (MHz)				500700	518598	538498	Tune-up limit (dB)	MPR
15	QPSK	1	1	23.32	23.53	23.49	25.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	23.35	23.43	23.47	25.0	0.0

n41_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				506202	518598	528000		
100	Pi2 BPSK	1	1	23.41	23.53	23.52		
100	Pi2 BPSK	1	137	23.32	23.45	23.40	25.0	0.0
100	Pi2 BPSK	1	271	23.29	23.37	23.36		
100	Pi2 BPSK	135	0	23.28	23.45	23.36	25.0	0.0
100	Pi2 BPSK	135	69	23.28	23.38	23.39	25.0	0.0
100	Pi2 BPSK	135	138	23.28	23.46	23.43	25.0	0.0
100	Pi2 BPSK	270	0	23.35	23.48	23.45		
100	QPSK	1	1	23.45	23.59	23.55		
100	QPSK	1	137	23.35	23.40	23.36	25.0	0.0
100	QPSK	1	271	23.46	23.53	23.41		
100	QPSK	135	0	23.22	23.38	23.32		
100	QPSK	135	69	23.30	23.41	23.27	25.0	0.0
100	QPSK	135	138	23.32	23.40	23.34		
100	QPSK	270	0	23.01	23.13	23.04	25.0	0.0
100	16QAM	1	1	23.48	23.53	23.39	25.0	0.0
100	16QAM	1	1	23.35	23.50	23.43	25.0	0.0
100	256QAM	1	1	21.86	21.92	21.85	23.0	2.0
Channel								
Frequency (MHz)				506200	518598	528998	Tune-up limit (dB)	MPR
90	QPSK	1	1	23.33	23.40	23.42	25.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up limit (dB)	MPR
80	QPSK	1	1	23.38	23.54	23.46	25.0	0.0
Channel								
Frequency (MHz)				503101	529299	2655	Tune-up limit (dB)	MPR
70	QPSK	1	1	23.37	23.51	23.44	25.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dB)	MPR
60	QPSK	1	1	23.30	23.51	23.42	25.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dB)	MPR
50	QPSK	1	1	23.33	23.53	23.41	25.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dB)	MPR
40	QPSK	1	1	23.32	23.52	23.43	25.0	0.0
Channel								
Frequency (MHz)				502203	518598	535998	Tune-up limit (dB)	MPR
30	QPSK	1	1	23.30	23.51	23.44	25.0	0.0
Channel								
Frequency (MHz)				501204	518598	536998	Tune-up limit (dB)	MPR
25	QPSK	1	1	23.35	23.43	23.47	25.0	0.0
Channel								
Frequency (MHz)				500700	518598	538498	Tune-up limit (dB)	MPR
15	QPSK	1	1	23.32	23.53	23.49	25.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	23.35	23.43	23.47	25.0	0.0



Par27Q n77\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different frequencies and modulation types like QPSK and 16QAM.

Par27Q n77\_Ant 8

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different frequencies and modulation types like QPSK and 16QAM.

Par27Q n77\_Ant 9

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains multiple rows for different frequencies and modulation types like QPSK and 16QAM.