

Full & Default Power

<WCDMA>									
Band		WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.88	23.70	23.53	25.00	23.60	23.68	23.57	25.00
3GPP Rel 99	RMC 12.2Kbps	23.71	23.73	23.55	25.00	23.63	23.71	23.61	25.00
3GPP Rel 6	HSDPA Subtest-1	22.70	22.84	22.57	24.00	22.60	22.71	22.58	24.00
3GPP Rel 6	HSDPA Subtest-2	22.69	22.66	22.43	24.00	22.63	22.72	22.52	24.00
3GPP Rel 6	HSDPA Subtest-3	22.13	22.14	22.16	23.50	22.29	22.23	22.06	23.50
3GPP Rel 6	HSDPA Subtest-4	22.16	22.18	22.00	23.50	22.25	22.34	22.13	23.50
3GPP Rel 6	HSUPA Subtest-1	22.82	22.68	22.45	24.00	22.65	22.63	22.53	24.00
3GPP Rel 6	HSUPA Subtest-2	20.63	20.75	20.46	22.00	20.79	20.81	20.65	22.00
3GPP Rel 6	HSUPA Subtest-3	21.74	21.62	21.44	23.00	21.72	21.70	21.49	23.00
3GPP Rel 6	HSUPA Subtest-4	20.61	20.69	20.62	22.00	20.66	20.65	20.66	22.00
3GPP Rel 6	HSUPA Subtest-5	22.77	22.74	22.44	24.00	22.74	22.80	22.47	24.00

WCDMA														
Band		WCDMA II Ant.1				Tune-up Limit (dBm)	WCDMA IV Ant.1			Tune-up Limit (dBm)	WCDMA V Ant.1			Tune-up Limit (dBm)
TX Channel	Rx Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233		
Frequency (MHz)		9662	9800	9938		1537	1638	1738		4337	4407	4458		
		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.17	23.21	23.11	24.00	23.09	23.15	23.01	24.00	23.76	23.91	23.85	25.00	
3GPP Rel 99	RM2 12.2Kbps	23.21	23.25	23.16	24.00	23.14	23.20	23.06	24.00	23.81	23.86	23.88	25.00	
3GPP Rel 6	HSDPA Subtest-1	22.19	22.29	22.27	23.00	22.13	22.15	22.21	23.00	22.87	23.04	22.78	24.00	
3GPP Rel 6	HSDPA Subtest-2	22.25	22.35	22.24	23.00	22.24	22.30	22.11	23.00	22.90	22.85	22.92	24.00	
3GPP Rel 6	HSDPA Subtest-3	21.79	21.83	21.65	22.50	21.81	21.84	21.73	22.50	22.26	22.44	22.36	23.50	
3GPP Rel 6	HSPA Subtest-4	21.68	21.77	21.77	22.50	21.70	21.86	21.59	22.50	22.40	22.41	22.37	23.50	
3GPP Rel 6	HSPA Subtest-1	22.20	22.20	22.21	23.00	22.11	22.17	22.11	23.00	22.89	22.99	22.80	24.00	
3GPP Rel 6	HSPA Subtest-2	20.31	20.23	20.15	21.00	20.32	20.18	20.10	21.00	20.84	21.07	20.88	22.00	
3GPP Rel 6	HSPA Subtest-3	21.30	21.21	21.11	22.00	21.27	21.37	21.14	22.00	21.70	21.89	21.81	23.00	
3GPP Rel 6	HSPA Subtest-4	20.19	20.14	20.27	21.00	20.11	20.19	20.14	21.00	20.84	21.06	20.88	22.00	
3GPP Rel 6	HSPA Subtest-5	22.11	22.35	22.13	23.00	22.15	22.27	22.25	23.00	22.81	22.96	22.89	24.00	

LTE Band 25 Ant 1										
BW [MHz]	Modulation	n	RB Size	RB Offset	Low Ch / 20MHz	Middle Ch / 20MHz	High Ch / 20MHz	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.83	22.93	22.89			23	1
20	QPSK	1	49	22.81	22.96	22.88				
20	QPSK	1	99	22.76	22.91	22.80			23	1
20	QPSK	50	0	22.00	22.03	21.98				
20	QPSK	50	24	21.86	21.93	21.87			22	2
20	QPSK	50	50	22.02	21.98	21.82				
20	QPSK	100	0	21.81	21.91	21.85			23	1
20	16QAM	1	49	21.84	21.88	21.87				
20	16QAM	1	99	21.89	21.89	21.59			22	2
20	16QAM	50	0	20.90	20.78	20.79				
20	16QAM	50	24	20.90	20.90	20.75			21	3
20	16QAM	50	50	20.74	20.70	20.81				
20	16QAM	100	0	20.96	20.90	20.82			21	3
20	64QAM	1	0	20.94	20.87	20.91				
20	64QAM	1	49	20.81	20.91	20.80			21	3
20	64QAM	1	99	20.88	20.92	20.81				
20	64QAM	50	0	19.88	19.86	19.96			21	3
20	64QAM	50	24	19.78	19.86	19.73				
20	64QAM	50	50	19.95	19.89	19.79			19	5
20	256QAM	1	49	17.82	17.77	17.78				
20	256QAM	1	99	17.77	17.80	17.98			19	5
20	256QAM	50	0	17.84	17.84	17.79				
20	256QAM	50	24	17.86	17.98	17.85			19	5
20	256QAM	50	50	17.86	17.83	17.83				
20	256QAM	100	0	17.87	17.97	17.91			Tune-up	
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.65	22.83	22.88			24	0
15	QPSK	1	37	22.69	22.78	22.68				
15	QPSK	1	74	22.74	22.73	22.63			23	1
15	QPSK	36	0	21.82	21.98	21.76				
15	QPSK	36	20	21.81	21.73	21.79			23	1
15	QPSK	36	39	22.00	21.91	21.68				
15	QPSK	75	0	21.82	21.88	21.85			23	1
15	16QAM	1	37	21.77	21.75	21.75				
15	16QAM	1	74	21.84	21.90	21.95			22	2
15	16QAM	36	0	20.88	20.88	20.88				
15	16QAM	36	20	20.80	20.88	20.85			22	2
15	16QAM	36	39	20.84	20.86	20.87				
15	16QAM	75	0	20.81	20.80	20.77			22	2
15	64QAM	1	0	20.86	20.79	20.99				
15	64QAM	1	37	20.62	20.87	20.89			23	2
15	64QAM	1	74	20.90	20.87	20.86				
15	64QAM	36	0	19.72	19.69	19.69			21	3
15	64QAM	36	20	19.68	19.68	19.84				
15	64QAM	36	39	19.84	19.75	19.63			21	3
15	64QAM	75	0	19.74	19.95	19.78				
15	256QAM	1	37	17.84	17.79	17.80			19	5
15	256QAM	1	74	17.74	17.78	17.79				
15	256QAM	36	0	17.83	17.64	17.64			19	5
15	256QAM	36	20	17.86	17.93	17.73				
15	256QAM	36	39	17.97	17.83	17.73			Tune-up	
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.85	22.81	22.83			24	0
10	QPSK	1	25	22.63	22.81	22.89				
10	QPSK	1	49	22.66	22.81	22.78			23	1
10	QPSK	25	0	21.87	21.87	21.82				
10	QPSK	25	12	21.65	21.73	21.72			23	1
10	QPSK	25	25	21.63	21.63	21.72				
10	QPSK	50	0	21.63	21.70	21.67			23	1
10	16QAM	1	0	21.68	21.88	21.78				
10	16QAM	1	25	21.72	21.80	21.72			22	2
10	16QAM	1	49	21.89	21.78	21.96				
10	16QAM	25	0	20.75	20.75	20.76			22	2
10	16QAM	25	12	20.75	20.72	20.76				
10	16QAM	25	25	20.54	20.67	20.65			22	2
10	16QAM	50	0	20.81	20.80	20.89				
10	64QAM	1	0	20.80	20.85	20.85			22	2
10	64QAM	1	25	20.67	20.73	20.79				
10	64QAM	1	49	20.84	20.94	20.87			21	3
10	64QAM	25	0	19.68	19.88	19.84				
10	64QAM	25	12	19.71	19.88	19.84			21	3
10	64QAM	25	25	19.83	19.87	19.77				
10	64QAM	50	0	19.71	19.79	19.70			19	5
10	64QAM	50	1	17.72	17.66	17.61				
10	256QAM	1	25	17.68	17.65	17.65			19	5
10	256QAM	1	49	17.66	17.63	17.60				
10	256QAM	25	0	17.85	17.85	17.82			19	5
10	256QAM	25	12	17.85	17.85	17.82				
10	256QAM	25	25	17.78	17.80	17.83			Tune-up	
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.67	22.70	22.75			24	0
5	QPSK	1	12	22.68	22.72	22.76				
5	QPSK	1	24	22.73	22.73	22.72			23	1
5	QPSK	12	0	21.88	21.91	21.87				
5	QPSK	12	7	21.79	21.73	21.82			23	1
5	QPSK	12	14	21.86	21.78	21.87				
5	QPSK	25	0	21.67	21.74	21.72			23	1
5	16QAM	1	0	21.63	21.87	21.89				
5	16QAM	1	12	21.75	21.81	21.88			22	2
5	16QAM	1	24	21.81	21.84	21.84				
5	16QAM	12	0	20.75	20.67	20.80			22	2
5	16QAM	12	7	20.88	20.74	20.87				
5	16QAM	12	13	20.62	20.80	20.73			22	2
5	16QAM	25	0	20.80	20.78	20.83				
5	64QAM	1	0	20.86	20.76	20.74			22	2
5	64QAM	1	12	20.62	20.91	20.87				
5	64QAM	1	24	20.80	20.80	20.80			21	3
5	64QAM	12	0	19.74	19.87	19.87				
5	64QAM	12	7	19.61	19.87	19.71			21	3
5	64QAM	12	14	19.62	19.87	19.87				
5	256QAM	1	0	17.67	17.62	17.61			19	5
5	256QAM	1	12	17.79	17.74	17.66				
5	256QAM	1	24	17.70	17.80	17.93			19	5
5	256QAM	12	0	17.63	17.68	17.61				
5	256QAM	12	7	17.77	17.60	17.75			19	5
5	256QAM	12	13	17.84	17.83	17.67				
5	256QAM	25	0	17.72	17.84	17.84			Tune-up	
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.66	22.66	22.83			24	0
3	QPSK	1	8	22.59	22.88	22.87				
3	QPSK	1	16	22.61	22.88	22.88			23	1
3	QPSK	8	0	21.93	22.05	21.89				
3	QPSK	8	8	21.93	22.05	21.89			23	1
3	QPSK	16	0	21.92	21.99	21.62				
3	16QAM	1	0	21.74	21.77	21.68			23	1
3	16QAM	1	8	21.81	21.79	21.60				
3	16QAM	1	14	21.71	21.87	21.93			22	2
3	16QAM	8	0	20.93	20.75	20.82				
3	16QAM	8	8	20.91	20.85	20.78			22	2
3	16QAM	8	16	20.63	20.72	20.80				
3	16QAM	16	0	20.65	20.62	20.80			22	2
3	16QAM	16	8	20.66	20.68	20.62				
3	16QAM	16	16	20.67	20.74	20.80			21	3
3	64QAM	8	0	19.88	19.87	19.92				
3	64QAM	8	8	19.73	19.87	19.87			21	3
3	64QAM	8	16	19.88	19.87	19.85				
3	64QAM	16	0	19.54	19.94	19.85			19	5
3	256QAM	1	0	17.68	17.60	17.61				
3	256QAM	1	8	17.79	17.75	17.66			19	5
3	256QAM	1	14	17.60	17.77	17.78				
3	256QAM	8	0	17.80	17.75	17.78			19	5
3	256QAM	8	8	17.84	17.77	17.81				
3	256QAM	8	16	17.80	17.80	17.83			19	5
3	256QAM	16	0	17.72	17.93	17.93				
3	256QAM	3	0	17.72	17.93	17.93			Tune-up	
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.70	22.73	22.69			24	0
1.4	QPSK	1	3	22.63	22.71	22.80				
1.4	QPSK	1	5	22.65	22.92	22.82			23	1
1.4	QPSK	3	0	22.71	21.83	21.85				
1.4	QPSK	3	1	22.73	22.78	22.80			23	1
1.4	QPSK	3	3	22.77	22.69	22.85				
1.4	QPSK	6	0	21.68	21.76	21.76			23	1
1.4	16QAM	1	0	21.68	21.79	21.94				
1.4	16QAM	1	3	21.69	21.99	21.94			23	1
1.4	16QAM	1	5	21.84	21.78	21.99				
1.4	16QAM	3	0	21.62	21.82	21.82			23	1
1.4	16QAM	3	1	21.72	21.90	21.92				
1.4	16QAM	3	3	21.88	21.90	21.72			22	2
1.4	16QAM	6	0	20.95	20.87	20.80				
1.4	16QAM	6	3	20.66	20.72	20.75			22	2
1.4	16QAM	6	6	20.63	20.76	20.76				
1.4	16QAM	12	0	20.76	20.56	20.67			22	2
1.4	16QAM	12	3	20.86	20.82	20.67				
1.4	16QAM	12	6	20.85	20.82	20.67			22	2
1.4	16QAM	24	0	20.76	20					

LTE Band 66 Ant 1										LTE Band 71 Ant 1									
BR [MHz]	Modulats n	RB Size	RB Offset	Low Ch. [130072]	Middle Ch. [130322]	High Ch. [130372]	Turn-up time (dBi)	MPR (dBi)		BR [MHz]	Modulats n	RB Size	RB Offset	Low Ch. [133522]	Middle Ch. [133597]	High Ch. [133672]	Turn-up time (dBi)	MPR (dBi)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	1273	1743	1753				20	QPSK	1	0	13371	1801	1811			
20	QPSK	1	49	2287	2294	2298	24	0		20	QPSK	1	49	2374	2385	2392	25	0	
20	QPSK	1	99	2293	2292	2290				20	QPSK	1	99	2379	2380	2381			
20	QPSK	50	24	2230	2232	2236				20	QPSK	50	24	2382	2383	2386			
20	QPSK	50	24	2189	2192	2203	23	1		20	QPSK	50	24	2289	2289	2293	24	1	
20	QPSK	50	24	2207	2211	2218				20	QPSK	100	50	2287	2290	2301			
20	QPSK	100	50	2220	2234	2241				20	QPSK	100	50	2285	2287	2291			
20	16QAM	1	0	2299	2298	2297				20	16QAM	1	0	2285	2289	2301	24	1	
20	16QAM	1	49	2299	2298	2298	23	1		20	16QAM	1	49	2285	2292	2298			
20	16QAM	1	99	2295	2194	2213				20	16QAM	1	99	2295	2293	2279			
20	16QAM	50	0	2030	2101	2099				20	16QAM	50	0	2189	2182	2173			
20	16QAM	50	24	2030	2106	2099				20	16QAM	50	24	2183	2172	2179			
20	16QAM	50	50	2082	2097	2100	22	2		20	16QAM	50	50	2193	2172	2178	23	2	
20	16QAM	100	0	2030	2098	2095				20	16QAM	100	0	2179	2184	2177			
20	16QAM	100	24	2030	2098	2095				20	16QAM	100	24	2282	2282	2285			
20	64QAM	1	49	2104	2104	2098				20	64QAM	1	49	2189	2187	2171	23	2	
20	64QAM	1	99	2093	2096	2098				20	64QAM	1	99	2190	2194	2178			
20	64QAM	50	0	1988	1998	1999	22	2		20	64QAM	50	0	2289	2292	2291			
20	64QAM	50	24	1937	1937	1934	21	3		20	64QAM	50	24	2077	2081	2084	22	3	
20	64QAM	50	50	1988	1998	1999				20	64QAM	100	0	2081	2087	2093			
20	256QAM	1	0	1794	1788	1788				20	256QAM	1	0	1888	1898	1898			
20	256QAM	1	49	1794	1788	1788	19	5		20	256QAM	1	49	2193	2196	2197	20	5	
20	256QAM	1	99	1797	1795	1788				20	256QAM	1	99	1888	1894	1888	20	5	
20	256QAM	50	0	1797	1797	1799				20	256QAM	50	0	1887	1885	1889			
20	256QAM	50	24	1797	1799	1799				20	256QAM	50	24	2082	2082	2081			
20	256QAM	50	50	1793	1810	1793	19	5		20	256QAM	50	50	1803	1888	1889	20	5	
20	256QAM	100	0	1808	1794	1793				20	256QAM	100	0	1805	1896	1896			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
18	QPSK	1	0	1743	1743	1773				18	QPSK	1	0	1703	1805	1805			
18	QPSK	1	49	2272	2281	2282	24	0		18	QPSK	1	49	2317	2326	2327	25	0	
18	QPSK	1	99	2272	2281	2282				18	QPSK	1	99	2317	2326	2327			
18	QPSK	1	74	2284	2287	2272				18	QPSK	1	74	2361	2364	2381			
18	QPSK	50	24	2186	2192	2191				18	QPSK	50	24	2286	2292	2291			
18	QPSK	36	20	2168	2173	2192	23	1		18	QPSK	36	20	2269	2290	2272	24	1	
18	QPSK	36	20	2189	2175	2183				18	QPSK	36	20	2297	2284	2283			
18	QPSK	75	14	2201	2184	2191				18	QPSK	75	14	2284	2279	2275			
18	16QAM	1	0	2204	2209	2202				18	16QAM	1	0	2271	2277	2281			
18	16QAM	1	27	2196	2191	2189				18	16QAM	1	27	2282	2280	2280	24	1	
18	16QAM	1	74	2226	2214	2214				18	16QAM	1	74	2284	2279	2275			
18	16QAM	36	20	2082	2088	2088				18	16QAM	36	20	2188	2175	2166			
18	16QAM	36	20	2078	2181	2181				18	16QAM	36	20	2180	2187	2178	23	2	
18	16QAM	36	39	2039	2076	2076	22	2		18	16QAM	36	39	2180	2151	2161			
18	16QAM	75	0	2069	2078	2089				18	16QAM	75	0	2172	2179	2167			
18	16QAM	75	0	2073	2086	2086				18	16QAM	75	0	2182	2165	2165			
18	64QAM	1	37	2058	2085	2075	22	2		18	64QAM	1	37	2183	2187	2178	23	2	
18	64QAM	1	74	2074	2082	2088				18	64QAM	1	74	2169	2179	2167			
18	64QAM	36	20	1988	1996	1996				18	64QAM	36	20	2073	2085	2085			
18	64QAM	36	20	1979	1976	1982	21	3		18	64QAM	36	20	2074	2080	2074	22	3	
18	64QAM	36	39	1988	1974	1988				18	64QAM	36	39	2051	2080	2070			
18	64QAM	75	0	1986	1989	1993				18	64QAM	75	0	2074	2077	2075			
18	256QAM	1	0	1776	1787	1778				18	256QAM	1	0	1882	1879	1890			
18	256QAM	1	27	1803	1780	1786				18	256QAM	1	27	1874	1880	1893	20	5	
18	256QAM	1	74	1776	1777	1780				18	256QAM	1	74	1882	1887	1890			
18	256QAM	36	20	1777	1791	1786				18	256QAM	36	20	1887	1885	1889			
18	256QAM	36	20	1772	1783	1800				18	256QAM	36	20	1887	1885	1889			
18	256QAM	36	39	1774	1778	1800	19	5		18	256QAM	36	39	1883	1870	1870	20	5	
18	256QAM	75	0	1786	1775	1781				18	256QAM	75	0	1877	1880	1889			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
19	QPSK	1	0	1745	1745	1775				19	QPSK	1	0	1668	1805	1805			
19	QPSK	1	49	2279	2280	2284	24	0		19	QPSK	1	49	2367	2377	2383	25	0	
19	QPSK	1	99	2279	2280	2284				19	QPSK	1	99	2367	2377	2383			
19	QPSK	1	49	2281	2273	2281				19	QPSK	1	49	2360	2381	2393			
19	QPSK	25	0	2185	2188	2191				19	QPSK	25	0	2274	2294	2291			
19	QPSK	25	0	2173	2187	2187	23	1		19	QPSK	25	0	2286	2271	2277	24	1	
19	QPSK	25	25	2182	2181	2203				19	QPSK	25	25	2282	2304	2286			
19	QPSK	50	24	2186	2186	2191				19	QPSK	50	24	2286	2287	2291			
19	16QAM	1	0	2202	2207	2204				19	16QAM	1	0	2284	2274	2302			
19	16QAM	1	25	2204	2189	2201	23	1		19	16QAM	1	25	2300	2283	2290	24	1	
19	16QAM	1	74	2216	2211	2198				19	16QAM	1	74	2274	2280	2263			
19	16QAM	25	0	2085	2084	2099				19	16QAM	25	0	2188	2169	2162			
19	16QAM	25	12	2078	2099	2080	22	2		19	16QAM	25	12	2176	2171	2178	23	2	
19	16QAM	25	12	2078	2099	2080				19	16QAM	25	12	2176	2171	2178			
19	16QAM	50	0	2086	2077	2075				19	16QAM	50	0	2163	2173	2176	23	2	
19	16QAM	1	0	2086	2074	2085				19	16QAM	1	0	2187	2173	2165			
19	16QAM	1	25	2109	2098	2098	22	2		19	16QAM	1	25	2180	2185	2171	23	2	
19	64QAM	1	49	2070	2084	2094				19	64QAM	1	49	2177	2177	2165			
19	64QAM	1	25	1981	1977	1978				19	64QAM	1	25	2069	2081	2099			
19	64QAM	25	12	1982	1982	1984	21	3		19	64QAM	25	12	2071	2077	2075	22	2	
19	64QAM	25	12	1982	1982	1984				19	64QAM	25	12	2071	2077	2075			
19	64QAM	50	0	1988	1991	1982				19	64QAM	50	0	2061	2075	2075			
19	256QAM	1	0	1785	1787	1775				19	256QAM	1	0	1809	1895	1895			
19	256QAM	1	25	1808	1783	1787	19	5		19	256QAM	1	25	1881	1888	1878	20	5	
19	256QAM	1	74	1785	1787	1787				19	256QAM	1	74	1804	1881	1886			
19	256QAM	25	0	1794	1788	1777				19	256QAM	25	0	1882	1882	1888			
19	256QAM	25	12	1782	1782	1791	19	5		19	256QAM	25	12	1874	1876	1876	20	5	
19	256QAM	50	0																

LTE Band 38 Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / 3750	Power Middle Ch / 3800	Power High Ch / 3810	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	2149	2152	2147	23	0			
20	QPSK	1	49	2134	2147	2148					
20	QPSK	1	99	2131	2150	2148					
20	QPSK	50	0	2056	2066	2046					
20	QPSK	50	24	2057	2061	2060	22	1			
20	QPSK	50	50	2044	2053	2051					
20	QPSK	100	0	2057	2064	2062					
20	16QAM	1	0	2064	2065	2045					
20	16QAM	1	49	2061	2056	2058	22	1			
20	16QAM	1	99	2058	2054	2052					
20	16QAM	50	0	1949	1942	1940					
20	16QAM	50	24	1955	1952	1939					
20	16QAM	50	50	1946	1955	1954	21	2			
20	16QAM	100	0	1940	1940	1950					
20	64QAM	1	0	1937	1939	1939					
20	64QAM	1	49	1932	1942	1941					
20	64QAM	1	99	1930	1949	1951	21	2			
20	64QAM	50	0	1837	1846	1851					
20	64QAM	50	24	1854	1853	1836					
20	64QAM	50	50	1841	1849	1845					
20	64QAM	100	0	1841	1847	1845	20	3			
20	256QAM	1	0	1660	1656	1651					
20	256QAM	1	49	1641	1653	1656					
20	256QAM	1	99	1644	1651	1659					
20	256QAM	50	0	1645	1651	1660	18	5			
20	256QAM	50	24	1654	1650	1645					
20	256QAM	50	50	1641	1649	1645					
20	256QAM	100	0	1652	1641	1641					
Channel											
Frequency (MHz)											
15	QPSK	1	0	2142	2155	2155	23	0			
15	QPSK	1	37	2118	2132	2127					
15	QPSK	1	74	2124	2143	2144					
15	QPSK	36	0	2058	2048	2045					
15	QPSK	36	20	2058	2063	2046	22	1			
15	QPSK	36	39	2040	2055	2055					
15	QPSK	75	0	2051	2053	2060					
15	16QAM	1	0	2049	2051	2044					
15	16QAM	1	37	2042	2044	2036	22	1			
15	16QAM	1	74	2041	2044	2084					
15	16QAM	36	0	1932	1944	1927					
15	16QAM	36	20	1938	1947	1931					
15	16QAM	36	39	1932	1945	1946	21	2			
15	16QAM	75	0	1925	1936	1935					
15	64QAM	1	0	1937	1923	1930					
15	64QAM	1	37	1937	1947	1932					
15	64QAM	1	74	1939	1940	1941	21	2			
15	64QAM	36	0	1822	1831	1840					
15	64QAM	36	20	1834	1838	1824					
15	64QAM	36	39	1829	1834	1836					
15	64QAM	75	0	1833	1834	1824	20	3			
15	256QAM	1	0	1658	1647	1650					
15	256QAM	1	37	1642	1638	1655					
15	256QAM	1	74	1623	1632	1643					
15	256QAM	36	0	1631	1634	1651	18	5			
15	256QAM	36	20	1641	1632	1644					
15	256QAM	36	39	1649	1618	1642					
15	256QAM	75	0	1640	1637	1639					
Channel											
Frequency (MHz)											
10	QPSK	1	0	2130	2136	2126	23	0			
10	QPSK	1	25	2122	2144	2144					
10	QPSK	1	49	2112	2146	2132					
10	QPSK	25	0	2053	2066	2040					
10	QPSK	25	12	2056	2059	2039	22	1			
10	QPSK	25	25	2053	2065	2055					
10	QPSK	50	0	2056	2043	2054					
10	16QAM	1	0	2061	2050	2040					
10	16QAM	1	25	2057	2046	2057	22	1			
10	16QAM	1	49	2057	2048	2050					
10	16QAM	25	0	1950	1939	1923					
10	16QAM	25	12	1945	1940	1941					
10	16QAM	25	25	1942	1940	1939	21	2			
10	16QAM	50	0	1919	1932	1936					
10	64QAM	1	0	1929	1932	1920					
10	64QAM	1	25	1943	1937	1941					
10	64QAM	1	49	1936	1929	1942	21	2			
10	64QAM	25	0	1819	1844	1852					
10	64QAM	25	12	1854	1832	1837					
10	64QAM	25	25	1836	1847	1826					
10	64QAM	50	0	1835	1840	1829	20	3			
10	256QAM	1	0	1645	1637	1633					
10	256QAM	1	25	1626	1638	1636					
10	256QAM	1	49	1629	1632	1650					
10	256QAM	25	0	1633	1647	1660	18	5			
10	256QAM	25	12	1654	1641	1632					
10	256QAM	25	25	1651	1629	1640					
10	256QAM	50	0	1640	1624	1621					
Channel											
Frequency (MHz)											
5	QPSK	1	0	2142	2131	2147	23	0			
5	QPSK	1	12	2133	2141	2142					
5	QPSK	1	24	2128	2134	2142					
5	QPSK	12	0	2040	2051	2031	22	1			
5	QPSK	12	7	2051	2063	2048					
5	QPSK	12	19	2023	2023	2032					
5	QPSK	25	0	2055	2054	2060					
5	16QAM	1	0	2055	2055	2047	22	1			
5	16QAM	1	12	2042	2049	2039					
5	16QAM	1	24	2038	2045	2052					
5	16QAM	12	0	1950	1942	1933					
5	16QAM	12	7	1951	1952	1931	21	2			
5	16QAM	12	19	1948	1943	1933					
5	16QAM	25	0	1927	1934	1951					
5	64QAM	1	0	1919	1918	1919					
5	64QAM	1	12	1931	1947	1934	21	2			
5	64QAM	1	24	1930	1937	1951					
5	64QAM	12	0	1820	1843	1849					
5	64QAM	12	7	1843	1841	1828					
5	64QAM	12	19	1828	1829	1844	20	3			
5	64QAM	25	0	1820	1829	1826					
5	256QAM	1	0	1646	1648	1650					
5	256QAM	1	12	1627	1650	1651					
5	256QAM	12	0	1634	1634	1635	18	5			
5	256QAM	12	7	1630	1631	1640					
5	256QAM	12	19	1633	1630	1639					
5	256QAM	25	0	1652	1639	1627					
5	256QAM	25	12	1633	1639	1631					
5	256QAM	25	19	1633	1639	1639					

LTE Band 7 Other PA Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / RB	Power Middle Ch. / RB	Power High Ch. / RB	Tune-up limit	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.93	23.07	23.05	24	0			
20	QPSK	1	49	22.84	22.86	23.03					
20	QPSK	1	99	22.87	22.90	22.91					
20	QPSK	50	0	21.86	22.05	22.01	23	1			
20	QPSK	50	24	21.82	21.97	21.91					
20	QPSK	50	50	21.83	22.02	21.88					
20	16QAM	1	0	22.02	21.91	21.88	23	1			
20	16QAM	1	49	21.84	21.97	21.90					
20	16QAM	1	99	22.01	21.88	21.96					
20	16QAM	50	0	20.84	21.00	21.01	22	2			
20	16QAM	50	24	21.01	20.98	20.93					
20	16QAM	50	50	20.97	20.98	20.93					
20	16QAM	100	0	20.90	20.98	20.88	21	3			
20	64QAM	1	0	21.05	21.05	20.89					
20	64QAM	1	49	21.05	20.89	20.85					
20	64QAM	50	0	20.89	20.98	20.98	22	2			
20	64QAM	50	24	19.88	19.85	19.86					
20	64QAM	50	50	19.87	19.89	19.85					
20	256QAM	1	0	17.84	17.87	17.84	19	5			
20	256QAM	1	49	17.80	17.65	17.76					
20	256QAM	1	99	17.91	17.91	17.79					
20	256QAM	50	0	17.93	17.75	17.92	19	5			
20	256QAM	50	24	17.85	17.67	17.83					
20	256QAM	50	50	17.75	17.85	17.87					
20	256QAM	100	0	17.74	17.92	17.84					
Channel				20825	21100	21375	Tune-up limit			MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	22.72	22.88	23.05	24	0			
15	QPSK	1	37	22.72	22.84	22.94					
15	QPSK	1	74	22.75	22.83	22.83					
15	QPSK	36	0	21.65	22.07	22.02	23	1			
15	QPSK	36	20	21.78	21.91	21.80					
15	QPSK	36	39	21.63	21.95	21.89					
15	QPSK	72	0	21.91	21.97	21.96	23	1			
15	16QAM	1	0	22.00	21.73	21.69					
15	16QAM	1	37	21.64	21.79	21.79					
15	16QAM	1	74	21.86	21.69	21.85	22	2			
15	16QAM	36	0	20.93	20.84	20.95					
15	16QAM	36	20	20.81	20.78	20.80					
15	16QAM	36	39	20.91	20.84	20.85	21	3			
15	16QAM	72	0	20.70	20.98	20.83					
15	64QAM	1	0	20.84	20.99	20.86					
15	64QAM	1	37	20.97	20.83	20.79	22	2			
15	64QAM	1	74	20.71	20.67	20.81					
15	64QAM	36	0	19.98	19.83	19.83					
15	64QAM	36	20	19.84	19.75	19.64	19	5			
15	64QAM	36	39	19.78	19.80	19.74					
15	64QAM	72	0	19.85	19.74	19.89					
15	256QAM	1	0	17.76	17.77	17.67	19	5			
15	256QAM	1	37	17.78	17.93	17.73					
15	256QAM	1	74	17.89	17.76	17.71					
15	256QAM	36	0	17.80	17.57	17.72	19			5	
15	256QAM	36	20	17.79	17.75	17.78					
15	256QAM	36	39	17.68	17.82	17.69					
15	256QAM	72	0	17.63	17.67	17.69					
Channel				20800	21100	21600	Tune-up limit	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	22.86	22.90	22.96	24	0			
10	QPSK	1	25	22.87	22.67	22.97					
10	QPSK	1	49	22.87	22.78	22.69					
10	QPSK	25	0	21.85	22.03	21.90	23	1			
10	QPSK	25	12	21.81	21.77	21.93					
10	QPSK	25	25	21.82	21.88	21.69					
10	QPSK	50	0	21.84	21.78	21.82	23	1			
10	16QAM	1	0	22.01	21.75	21.89					
10	16QAM	1	25	21.70	21.87	21.70					
10	16QAM	1	49	22.00	21.89	21.78	22	2			
10	16QAM	25	0	20.85	20.91	20.91					
10	16QAM	25	12	20.85	20.81	20.88					
10	16QAM	25	25	20.92	20.86	20.86	22	2			
10	16QAM	50	0	20.75	20.87	20.87					
10	64QAM	1	0	20.88	20.84	20.89					
10	64QAM	1	25	21.02	20.78	20.79	22	2			
10	64QAM	1	49	20.87	20.74	20.91					
10	64QAM	25	0	20.03	19.79	19.98					
10	64QAM	25	12	19.87	19.85	19.83	21	3			
10	64QAM	25	25	19.87	19.86	19.86					
10	64QAM	50	0	19.72	19.77	19.74					
10	256QAM	1	0	17.80	17.82	17.83	19	5			
10	256QAM	1	25	17.70	17.94	17.76					
10	256QAM	1	49	17.80	17.90	17.75					
10	256QAM	25	0	17.73	17.62	17.82	19	5			
10	256QAM	25	12	17.77	17.85	17.81					
10	256QAM	25	25	17.76	17.60	17.70					
10	256QAM	50	0	17.68	17.75	17.76					
Channel				20775	21100	21425	Tune-up limit			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	22.88	22.98	22.95	24	0			
5	QPSK	1	12	22.85	22.66	22.94					
5	QPSK	1	24	22.86	22.76	22.85					
5	QPSK	12	0	21.84	21.90	21.99	23	1			
5	QPSK	12	7	21.63	21.91	21.86					
5	QPSK	12	13	21.72	22.01	21.82					
5	QPSK	25	0	21.76	21.87	21.85	23	1			
5	16QAM	1	0	21.93	21.82	21.70					
5	16QAM	1	12	21.63	21.96	21.89					
5	16QAM	1	24	21.80	21.79	21.97	23	1			
5	16QAM	12	0	20.73	20.80	20.82					
5	16QAM	12	7	20.80	20.70	20.84					
5	16QAM	12	13	20.93	20.79	20.80	22	2			
5	16QAM	25	0	20.81	20.94	20.88					
5	64QAM	1	0	20.99	20.91	20.71					
5	64QAM	1	12	20.85	20.75	20.80	22	2			
5	64QAM	1	24	20.85	20.81	20.89					
5	64QAM	12	0	19.86	19.95	19.77					
5	64QAM	12	7	19.73	19.81	19.78	21	3			
5	64QAM	12	13	19.68	19.74	19.84					
5	64QAM	25	0	19.77	19.86	19.91					
5	256QAM	1	0	17.84	17.75	17.69	19	5			
5	256QAM	1	12	17.89	17.79	17.82					
5	256QAM	1	24	17.91	17.70	17.71					
5	256QAM	12	0	17.81	17.66	17.71	19	5			
5	256QAM	12	7	17.65	17.87	17.70					
5	256QAM	12	13	17.67	17.91	17.67					
5	256QAM	25	0	17.62	17.86	17.77					

LTE Band 30 Other PA Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. / RB	Center Middle Ch. / RB	High Ch. / RB	Tune-up limit (dBm)	MPR (dB)				
Channel				27710								
Frequency (MHz)				2310								
10	QPSK	1	0	22.43			24	0				
10	QPSK	1	25	22.34								
10	QPSK	1	49	22.40								
10	QPSK	25	0	21.58								
10	QPSK	25	12	21.54								
10	QPSK	25	25	21.50			23	1				
10	QPSK	50	0	21.50								
10	16QAM	1	0	21.41								
10	16QAM	1	25	21.50								
10	16QAM	1	49	21.49								
10	16QAM	25	0	20.50			22	2				
10	16QAM	25	12	20.33								
10	16QAM	25	25	20.50								
10	16QAM	50	0	20.55								
10	16QAM	50	1	20.49								
10	64QAM	1	25	20.31			22	2				
10	64QAM	1	49	20.48								
10	64QAM	25	0	19.44								
10	64QAM	25	12	19.40								
10	64QAM	25	25	19.31								
10	64QAM	50	0	19.52			21	3				
10	256QAM	1	0	17.33								
10	256QAM	1	25	17.17								
10	256QAM	1	49	17.30								
10	256QAM	25	0	17.31								
10	256QAM	25	12	17.40			19	5				
10	256QAM	25	25	17.42								
10	256QAM	50	0	17.42								
Channel				27685	27710	27735						
Frequency (MHz)				23075	2310	23125						
5	QPSK	1	0	22.25			22.32	22.25	24	0		
5	QPSK	1	12	21.98			22.29	22.35				
5	QPSK	1	24	22.33			22.16	22.32				
5	QPSK	12	0	21.48			21.38	21.59				
5	QPSK	12	7	21.52			21.51	21.49				
5	QPSK	12	13	21.38			21.43	21.32	23	1		
5	QPSK	25	0	21.51			21.34	21.53				
5	16QAM	1	0	21.38			21.33	21.32				
5	16QAM	1	12	21.44			21.60	21.44				
5	16QAM	1	24	21.45			21.29	21.44				
5	16QAM	12	0	20.50			20.39	20.38	23	1		
5	16QAM	12	7	20.14			20.27	20.33				
5	16QAM	12	13	20.46			20.28	20.60				
5	16QAM	25	0	20.51			20.40	20.43				
5	16QAM	1	0	20.41			20.41	20.30				
5	64QAM	1	12	20.33			20.42	20.39	22	2		
5	64QAM	1	24	20.20			20.30	20.30				
5	64QAM	12	0	19.23			19.37	19.38				
5	64QAM	12	7	19.25			19.36	19.21				
5	64QAM	12	13	19.16			19.20	19.32				
5	64QAM	25	0	19.44			19.45	19.41	21	3		
5	256QAM	1	0	17.18			17.16	17.26				
5	256QAM	1	12	17.46			17.47	17.48				
5	256QAM	1	24	17.44			17.30	17.29				
5	256QAM	12	0	17.25			17.32	17.23				
5	256QAM	12	7	17.25			17.41	17.48	19	5		
5	256QAM	12	13	17.26			17.21	17.21				
5	256QAM	25	0	17.29			17.33	17.39				
5	256QAM	25	7	17.25			17.33	17.39				
5	256QAM	25	13	17.25			17.33	17.39				

LTE Band 38 Other PA Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / 30750	Power Middle Ch / 38150	Power High Ch / 38150	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.26	22.43	22.34	24	0			
20	QPSK	1	49	22.29	22.25	22.16					
20	QPSK	1	99	22.21	22.20	22.21	23	1			
20	QPSK	50	0	21.54	21.58	21.38					
20	QPSK	50	24	21.52	21.38	21.35	22	2			
20	QPSK	50	50	21.49	21.35	21.37					
20	QPSK	100	0	21.25	21.32	21.31	21	3			
20	16QAM	1	0	21.25	21.33	21.38					
20	16QAM	1	49	21.41	21.36	21.40	22	2			
20	16QAM	1	99	21.31	21.46	21.43					
20	16QAM	50	0	20.31	20.43	20.51	21	3			
20	16QAM	50	24	20.32	20.20	20.20					
20	16QAM	50	50	20.39	20.51	20.47	22	2			
20	16QAM	100	0	20.38	20.40	20.38					
20	64QAM	1	0	20.35	20.44	20.49	22	2			
20	64QAM	1	49	20.39	20.33	20.23					
20	64QAM	1	99	20.30	20.39	20.24	21	3			
20	64QAM	50	0	19.23	19.27	19.30					
20	64QAM	50	24	19.24	19.42	19.33	19	5			
20	64QAM	50	50	19.35	19.30	19.29					
20	64QAM	100	0	19.46	19.47	19.42	19	5			
20	256QAM	1	0	17.17	17.31	17.18					
20	256QAM	1	49	17.52	17.45	17.43	24	0			
20	256QAM	1	99	17.19	17.17	17.31					
20	256QAM	50	0	17.22	17.30	17.33	23	1			
20	256QAM	50	24	17.40	17.20	17.34					
20	256QAM	50	50	17.25	17.21	17.25	22	2			
20	256QAM	100	0	17.25	17.21	17.25					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.09	22.22	22.20	24	0			
15	QPSK	1	37	22.09	22.14	22.17					
15	QPSK	1	74	22.11	22.10	22.13	23	1			
15	QPSK	36	0	21.36	21.54	21.21					
15	QPSK	36	20	21.46	21.33	21.18	22	2			
15	QPSK	36	39	21.32	21.28	21.25					
15	QPSK	75	0	21.13	21.22	21.13	23	1			
15	16QAM	1	0	21.13	21.23	21.23					
15	16QAM	1	37	21.43	21.28	21.36	22	2			
15	16QAM	1	74	21.33	21.34	21.39					
15	16QAM	36	0	20.30	20.38	20.43	21	3			
15	16QAM	36	20	20.23	20.18	20.08					
15	16QAM	36	39	20.18	20.52	20.38	24	0			
15	16QAM	75	0	20.24	20.33	20.22					
15	16QAM	1	0	20.32	20.24	20.50	23	1			
15	16QAM	1	37	20.34	20.20	20.10					
15	16QAM	1	74	20.21	20.21	20.05	22	2			
15	16QAM	36	0	19.23	19.08	19.15					
15	16QAM	36	20	19.34	19.32	19.35	21	3			
15	16QAM	36	39	19.19	19.21	19.19					
15	16QAM	75	0	19.44	19.33	19.28	19	5			
15	256QAM	1	0	17.05	17.22	17.19					
15	256QAM	1	37	17.31	17.29	17.37	24	0			
15	256QAM	1	74	17.16	17.16	17.22					
15	256QAM	36	0	17.07	17.19	17.17	23	1			
15	256QAM	36	20	17.22	17.11	17.22					
15	256QAM	36	39	17.21	17.25	17.11	22	2			
15	256QAM	75	0	17.17	17.23	17.09					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.04	22.40	22.23	24	0			
10	QPSK	1	25	22.17	22.22	22.16					
10	QPSK	1	49	22.08	22.19	22.08	23	1			
10	QPSK	25	0	21.43	21.44	21.20					
10	QPSK	25	12	21.54	21.36	21.24	22	2			
10	QPSK	25	25	21.34	21.17	21.14					
10	QPSK	50	0	21.21	21.17	21.21	21	3			
10	16QAM	1	0	21.07	21.33	21.30					
10	16QAM	1	25	21.34	21.20	21.30	24	0			
10	16QAM	1	49	21.16	21.29	21.28					
10	16QAM	25	0	20.11	20.36	20.39	23	1			
10	16QAM	25	12	20.32	20.15	20.02					
10	16QAM	25	25	20.31	20.37	20.29	22	2			
10	16QAM	50	0	20.19	20.22	20.35					
10	64QAM	1	0	20.33	20.23	20.43	21	3			
10	64QAM	1	25	20.28	20.14	20.22					
10	64QAM	1	49	20.22	20.38	20.19	19	5			
10	64QAM	25	0	19.24	19.14	19.10					
10	64QAM	25	12	19.03	19.38	19.26	24	0			
10	64QAM	25	25	19.34	19.11	19.19					
10	64QAM	50	0	19.08	19.46	19.43	23	1			
10	256QAM	1	0	17.06	17.15	17.14					
10	256QAM	1	25	17.47	17.30	17.31	22	2			
10	256QAM	1	49	17.05	17.01	17.18					
10	256QAM	25	0	17.00	17.28	17.15	21	3			
10	256QAM	25	12	17.20	17.20	17.24					
10	256QAM	25	25	17.35	17.40	17.11	19	5			
10	256QAM	50	0	17.16	17.16	17.12					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.12	22.40	22.24	24	0			
5	QPSK	1	12	22.12	22.22	22.13					
5	QPSK	1	24	22.14	22.14	22.14	23	1			
5	QPSK	12	0	21.46	21.48	21.17					
5	QPSK	12	7	21.34	21.20	21.20	23	1			
5	QPSK	12	14	21.37	21.23	21.19					
5	QPSK	25	0	21.15	21.31	21.30	22	2			
5	16QAM	1	0	21.11	21.34	21.36					
5	16QAM	1	12	21.28	21.33	21.24	23	2			
5	16QAM	1	24	21.29	21.32	21.22					
5	16QAM	12	0	20.19	20.37	20.46	22	2			
5	16QAM	12	7	20.14	20.16	20.09					
5	16QAM	12	14	20.28	20.23	20.16	21	3			
5	16QAM	25	0	20.23	20.29	20.15					
5	64QAM	1	0	20.34	20.34	20.38	22	2			
5	64QAM	1	12	20.21	20.28	20.25					
5	64QAM	1	24	20.31	20.28	20.25	23	2			
5	64QAM	12	0	19.15	19.08	19.20					
5	64QAM	12	7	18.03	19.36	18.12	21	3			
5	64QAM	12	14	18.17	18.22	18.16					
5	64QAM	25	0	19.26	19.46	19.26	19	5			
5	256QAM	1	0	17.33	17.27	17.07					
5	256QAM	1	12	17.46	17.38	17.44	23	2			
5	256QAM	1	24	17.14	17.14	17.14					
5	256QAM	12	0	17.02	17.23	17.19	21	3			
5	256QAM	12	7	17.32	17.02	17.25					
5	256QAM	12	14	17.28	17.12	17.14	19	5			
5	256QAM	25	0	17.21	17.13	17.05					

LTE Band 42 Part 96 Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / E-PCP	Power Middle Ch. / E-PCP	Power High Ch. / E-PCP	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.61	23.67	23.62	25	0						
20	QPSK	1	49	23.52	23.65	23.42								
20	QPSK	1	99	23.43	23.55	23.48								
20	QPSK	50	0	22.44	22.64	22.44								
20	QPSK	50	24	22.62	22.49	22.60	24	1						
20	QPSK	50	50	22.49	22.57	22.51								
20	QPSK	100	0	22.51	22.63	22.58								
20	16QAM	1	0	22.56	22.42	22.43								
20	16QAM	1	49	22.59	22.46	22.47	24	1						
20	16QAM	1	99	22.62	22.50	22.53								
20	16QAM	50	0	21.55	21.43	21.65								
20	16QAM	50	24	21.53	21.54	21.62								
20	16QAM	50	50	21.43	21.60	21.52	23	2						
20	16QAM	100	0	21.53	21.45	21.43								
20	64QAM	1	49	21.52	21.59	21.60								
20	64QAM	1	99	21.43	21.49	21.65								
20	64QAM	50	0	20.43	20.45	20.50	22	3						
20	64QAM	50	24	20.47	20.55	20.48								
20	64QAM	50	50	20.63	20.56	20.46								
20	64QAM	100	0	20.54	20.53	20.59								
20	256QAM	1	0	18.61	18.72	18.70	20	5						
20	256QAM	1	49	18.65	18.74	18.67								
20	256QAM	1	99	18.67	18.58	18.71								
20	256QAM	50	0	18.77	18.65	18.76								
20	256QAM	50	24	18.71	18.77	18.63								
20	256QAM	50	50	18.74	18.67	18.59								
20	256QAM	100	0	18.64	18.77	18.60								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.52	23.55	23.62.5	25	0						
15	QPSK	1	37	23.46	23.48	23.59								
15	QPSK	1	74	23.32	23.41	23.35								
15	QPSK	36	0	22.30	22.57	22.36								
15	QPSK	36	20	22.55	22.40	22.52	24	1						
15	QPSK	36	39	22.40	22.46	22.44								
15	QPSK	75	0	22.41	22.57	22.52								
15	16QAM	1	0	22.50	22.34	22.33								
15	16QAM	1	37	22.44	22.35	22.40	24	1						
15	16QAM	1	74	22.53	22.37	22.48								
15	16QAM	36	0	21.48	21.31	21.57								
15	16QAM	36	20	21.41	21.41	21.42								
15	16QAM	36	39	21.29	21.52	21.42	23	2						
15	16QAM	75	0	21.40	21.40	21.45								
15	64QAM	1	0	21.41	21.31	21.33								
15	64QAM	1	37	21.42	21.47	21.45								
15	64QAM	1	74	21.33	21.34	21.56	22	3						
15	64QAM	36	0	20.33	20.36	20.37								
15	64QAM	36	20	20.38	20.40	20.43								
15	64QAM	36	39	20.56	20.42	20.37								
15	64QAM	75	0	20.47	20.43	20.45	20	5						
15	256QAM	1	0	18.46	18.57	18.64								
15	256QAM	1	37	18.60	18.61	18.58								
15	256QAM	1	74	18.60	18.69	18.64								
15	256QAM	36	0	18.69	18.57	18.65								
15	256QAM	36	20	18.62	18.71	18.55								
15	256QAM	36	39	18.61	18.61	18.46								
15	256QAM	75	0	18.52	18.69	18.50								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.51	23.59	23.56	25	0						
10	QPSK	1	25	23.44	23.52	23.31								
10	QPSK	1	49	23.33	23.48	23.36								
10	QPSK	25	0	22.29	22.55	22.32								
10	QPSK	25	12	22.55	22.36	22.48	24	1						
10	QPSK	25	25	22.43	22.47	22.35								
10	QPSK	50	0	22.42	22.52	22.47								
10	16QAM	1	0	22.45	22.29	22.32								
10	16QAM	1	25	22.52	22.40	22.35	24	1						
10	16QAM	1	49	22.51	22.38	22.46								
10	16QAM	25	0	21.45	21.28	21.59								
10	16QAM	25	12	21.44	21.48	21.49								
10	16QAM	25	25	21.38	21.32	21.46	23	2						
10	16QAM	50	0	21.42	21.41	21.47								
10	64QAM	1	0	21.47	21.35	21.29								
10	64QAM	1	25	21.41	21.48	21.53								
10	64QAM	1	49	21.34	21.42	21.58	22	3						
10	64QAM	25	0	20.31	20.31	20.35								
10	64QAM	25	12	20.41	20.45	20.40								
10	64QAM	25	25	20.57	20.42	20.38								
10	64QAM	50	0	20.48	20.41	20.46	20	5						
10	256QAM	1	0	18.55	18.66	18.63								
10	256QAM	1	25	18.52	18.59	18.54								
10	256QAM	1	49	18.59	18.46	18.65								
10	256QAM	25	0	18.68	18.56	18.67	20	5						
10	256QAM	25	12	18.60	18.65	18.52								
10	256QAM	25	25	18.62	18.57	18.46								
10	256QAM	50	0	18.51	18.72	18.50								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.55	23.61	23.49	25	0						
5	QPSK	1	12	23.30	23.56	23.25								
5	QPSK	1	24	23.29	23.50	23.35								
5	QPSK	12	0	22.38	22.50	22.31								
5	QPSK	12	7	22.56	22.37	22.47	24	1						
5	QPSK	12	13	22.41	22.50	22.41								
5	QPSK	25	0	22.44	22.49	22.49								
5	16QAM	1	0	22.48	22.29	22.36								
5	16QAM	1	12	22.53	22.39	22.37	24	1						
5	16QAM	1	24	22.54	22.40	22.41								
5	16QAM	12	0	21.42	21.36	21.39								
5	16QAM	12	7	21.40	21.48	21.57								
5	16QAM	12	13	21.32	21.51	21.40	23	2						
5	16QAM	25	0	21.40	21.41	21.50								
5	64QAM	1	0	21.45	21.34	21.33								
5	64QAM	1	12	21.46	21.49	21.48								
5	64QAM	1	24	21.28	21.41	21.54	22	3						
5	64QAM	12	0	20.36	20.30	20.40								
5	64QAM	12	7	20.37	20.44	20.46								
5	64QAM	12	13	20.51	20.42	20.41								
5	64QAM	25	0	20.45	20.45	20.50	20	5						
5	256QAM	1	0	18.55	18.61	18.56								
5	256QAM	1	12	18.52	18.65	18.54								
5	256QAM	1	24	18.59	18.58	18.53								
5	256QAM	12	0	18.67	18.58	18.62								
5	256QAM	12	7	18.64	18.64	18.49								
5	256QAM	12	13	18.62	18.61	18.51								
5	256QAM	25	0	18.53	18.71	18.45								

LTE Band 43 Part 96 Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frac	Power Middle Ch. / Frac	Power High Ch. / Frac	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.87	23.92	23.83	25	0		
20	QPSK	1	49	23.78	23.74	23.84				
20	QPSK	1	99	23.65	23.89	23.67				
20	QPSK	50	0	22.85	23.01	22.97				
20	QPSK	50	24	22.79	22.94	22.88	24	1		
20	QPSK	50	50	22.93	22.88	22.95				
20	16QAM	1	0	22.86	22.79	22.88				
20	16QAM	1	49	22.88	22.89	22.89				
20	16QAM	1	99	22.84	22.81	22.91	23	2		
20	16QAM	50	0	21.81	21.82	21.80				
20	16QAM	50	24	21.69	21.76	21.74				
20	16QAM	50	50	21.75	21.78	21.75				
20	64QAM	1	0	21.72	21.73	21.67	23	2		
20	64QAM	1	49	21.64	21.64	21.66				
20	64QAM	1	99	21.73	21.72	21.79				
20	64QAM	50	0	20.78	20.74	20.72				
20	64QAM	50	24	20.80	20.87	20.85	22	3		
20	64QAM	50	50	20.89	20.88	20.75				
20	64QAM	100	0	20.78	20.83	20.84				
20	256QAM	1	0	18.93	18.99	19.04				
20	256QAM	1	49	18.91	19.01	18.92	20	5		
20	256QAM	1	99	18.88	18.89	18.87				
20	256QAM	50	0	18.90	19.02	18.89				
20	256QAM	50	24	18.87	19.04	18.93				
20	256QAM	50	50	18.89	19.06	18.94	20	5		
20	256QAM	100	0	19.03	19.00	18.94				
Channel				360.5	360.5	360.5			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
15	QPSK	1	0	23.84	23.89	23.84	25	0		
15	QPSK	1	37	23.79	23.56	23.65	24	1		
15	QPSK	1	74	23.64	23.83	23.63				
15	QPSK	36	0	22.71	23.03	22.94				
15	QPSK	36	20	22.62	22.73	22.84				
15	QPSK	36	39	22.94	22.78	22.97	24	1		
15	QPSK	75	0	22.88	22.72	22.60				
15	16QAM	1	0	22.69	22.64	22.78				
15	16QAM	1	37	22.82	22.75	22.86				
15	16QAM	1	74	22.84	22.69	22.88	23	2		
15	16QAM	36	0	21.76	21.64	21.72				
15	16QAM	36	20	21.47	21.72	21.75				
15	16QAM	36	39	21.58	21.74	21.59				
15	16QAM	75	0	21.66	21.64	21.60	23	2		
15	64QAM	1	0	21.60	21.65	21.68				
15	64QAM	1	37	21.88	21.85	21.53				
15	64QAM	1	74	21.69	21.63	21.70				
15	64QAM	36	0	20.70	20.71	20.69	22	3		
15	64QAM	36	20	20.77	20.78	20.87				
15	64QAM	36	39	20.68	20.70	20.58				
15	64QAM	75	0	20.68	20.85	20.76				
15	256QAM	1	0	18.82	18.98	18.95	20	5		
15	256QAM	1	37	18.78	18.91	18.94				
15	256QAM	1	74	18.72	18.88	18.66				
15	256QAM	36	0	18.83	19.02	18.75				
15	256QAM	36	20	18.71	18.86	18.80	20	5		
15	256QAM	36	39	18.78	18.87	18.88				
15	256QAM	75	0	18.86	18.83	18.82				
Channel				4360.0	4400.0	4450.0	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	23.76	23.80	23.77	25	0		
10	QPSK	1	25	23.59	23.64	23.61	24	1		
10	QPSK	1	49	23.59	23.71	23.47				
10	QPSK	25	0	22.78	22.98	22.76				
10	QPSK	25	12	22.58	22.79	22.74				
10	QPSK	25	25	22.87	22.86	22.96	24	1		
10	QPSK	50	0	22.78	22.71	22.85				
10	16QAM	1	0	22.80	22.79	22.68				
10	16QAM	1	25	22.70	22.76	22.66				
10	16QAM	1	49	22.70	22.77	22.82	23	2		
10	16QAM	25	0	21.80	21.65	21.60				
10	16QAM	25	12	21.48	21.66	21.65				
10	16QAM	25	25	21.76	21.58	21.70				
10	16QAM	50	0	21.66	21.70	21.47	23	2		
10	64QAM	1	0	21.66	21.71	21.55				
10	64QAM	1	25	21.68	21.83	21.46				
10	64QAM	1	49	21.72	21.62	21.57				
10	64QAM	25	0	20.67	20.61	20.69	22	3		
10	64QAM	25	12	20.62	20.76	20.85				
10	64QAM	25	25	20.67	20.69	20.73				
10	64QAM	50	0	20.76	20.85	20.80				
10	256QAM	1	0	18.80	18.81	18.85	20	5		
10	256QAM	1	25	18.75	18.89	18.74				
10	256QAM	1	49	18.73	18.71	18.84				
10	256QAM	25	0	18.83	18.84	18.78				
10	256QAM	25	12	18.86	18.93	18.87	20	5		
10	256QAM	25	25	18.86	18.97	19.04				
10	256QAM	50	0	18.87	19.00	18.85				
Channel				360.5	360.5	360.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	23.83	23.76	23.80	25	0		
5	QPSK	1	12	23.64	23.61	23.63	24	1		
5	QPSK	1	24	23.66	23.77	23.55				
5	QPSK	12	0	22.81	22.93	22.78				
5	QPSK	12	7	22.69	22.79	22.89				
5	QPSK	12	13	22.74	22.87	22.96	24	1		
5	QPSK	25	0	22.90	22.76	22.81				
5	16QAM	1	0	22.72	22.59	22.67				
5	16QAM	1	12	22.76	22.88	22.73				
5	16QAM	1	24	22.85	22.67	22.72	23	2		
5	16QAM	12	0	21.59	21.74	21.64				
5	16QAM	12	7	21.60	21.67	21.63				
5	16QAM	12	13	21.55	21.60	21.73				
5	16QAM	25	0	21.66	21.75	21.58	23	2		
5	64QAM	1	0	21.67	21.65	21.58				
5	64QAM	1	12	21.71	21.80	21.59				
5	64QAM	1	24	21.59	21.52	21.73				
5	64QAM	12	0	20.73	20.58	20.66	22	3		
5	64QAM	12	7	20.71	20.76	20.62				
5	64QAM	12	13	20.69	20.69	20.69				
5	64QAM	25	0	20.65	20.83	20.79				
5	256QAM	1	0	18.74	18.97	18.93	20	5		
5	256QAM	1	12	18.81	18.87	18.80	20	5		
5	256QAM	1	24	18.78	18.74	18.78				
5	256QAM	12	0	18.80	19.03	18.89				
5	256QAM	12	7	18.76	18.97	18.92	20	5		
5	256QAM	12	13	18.89	18.99	18.79				
5	256QAM	25	0	18.84	18.91	18.85				

Receiver on Power

<WCDMA>									
Band		WCDMA II Ant 0			Tune-up		WCDMA IV Ant 0		
TX Channel		9662	9600	9538	Limit		1512	1413	1513
Rx Channel		9662	9600	9538	(dBm)		1537	1638	1738
Frequency (MHz)		1622.6	1600	1507.6			1622.6	1622.6	1622.6
3GPP Rel 99	AMS 12.2Kbps	23.68	23.70	23.53	25.00		23.68	23.68	23.57
3GPP Rel 99	RMC 12.2Kbps	23.71	23.73	23.55	25.00		23.63	23.71	23.61
3GPP Rel 6	HSDPA Scheme-1	22.70	22.84	22.97	24.00		22.80	22.71	22.88
3GPP Rel 6	HSDPA Subtest-2	22.89	22.86	22.43	24.00		22.83	22.72	22.92
3GPP Rel 6	HSDPA Subtest-3	22.13	22.14	22.16	23.50		22.29	22.23	22.06
3GPP Rel 6	HSDPA Subtest-4	22.10	22.18	22.00	23.50		22.29	22.34	22.13
3GPP Rel 6	HSPA Subtest-1	22.82	22.88	22.45	24.00		22.65	22.83	22.53
3GPP Rel 6	HSPA Subtest-2	20.83	20.73	20.46	22.00		20.79	20.81	20.65
3GPP Rel 6	HSPA Subtest-3	21.74	21.62	21.44	23.00		21.73	21.70	21.49
3GPP Rel 6	HSPA Subtest-4	20.81	20.69	20.62	22.00		20.66	20.65	20.66
3GPP Rel 6	HSPA Subtest-5	22.77	22.74	22.44	24.00		22.74	22.80	22.47

<WCDMA>

Band	WCDMA 8 Airt 1				Tune-up Limit (dBm)	WCDMA 4 Airt 1				Tune-up Limit (dBm)	WCDMA 5 Airt 1				Tune-up Limit (dBm)
	TX Channel	9262	9600	9638		1512	1413	1513	4132		4182	4233			
Rx Channel		9662	9600	9638	1537	1636	1738	Limit (dBm)	4307	4407	4468	Limit (dBm)			
Frequency (MHz)		1852.4	1850	1847.6	1712.4	1727.6	1722.6		4204	4204	4204				
3GPP Rel 99	AMR 12.2Kbps	19.17	19.32	19.21	20.00	21.61	21.75	21.78	22.50	20.91	21.03	20.95	22.00		
3GPP Rel 99	RMCD 12.2Kbps	19.20	19.36	19.28	20.00	21.74	21.88	21.84	22.50	20.92	21.09	21.05	22.00		
3GPP Rel 6	HSUPA Subtest-1	18.13	18.38	18.21	19.00	20.98	20.85	20.63	21.50	19.88	20.12	19.83	21.00		
3GPP Rel 6	HSUPA Subtest-2	18.27	18.35	18.34	19.00	20.73	20.69	20.67	21.50	19.79	19.89	19.84	21.00		
3GPP Rel 6	HSUPA Subtest-3	17.88	17.95	17.72	18.50	20.20	20.40	20.23	21.50	19.35	19.49	19.37	20.50		
3GPP Rel 6	HSUPA Subtest-4	17.87	17.74	17.81	18.50	20.21	20.37	19.97	21.00	19.47	19.44	19.39	20.50		
3GPP Rel 6	HSUPA Subtest-1	18.10	18.28	18.31	19.00	20.53	20.57	20.64	21.50	19.94	20.10	19.84	21.00		
3GPP Rel 6	HSUPA Subtest-2	18.28	18.26	18.24	17.00	18.74	18.72	18.67	19.50	17.79	18.07	17.77	19.00		
3GPP Rel 6	HSUPA Subtest-3	17.27	17.31	17.03	18.00	19.65	19.95	19.54	20.50	18.68	18.98	18.65	20.00		
3GPP Rel 6	HSUPA Subtest-4	18.22	18.20	18.32	17.00	18.56	18.71	18.57	19.50	17.95	18.16	17.96	19.00		
3GPP Rel 6	HSUPA Subtest-5	18.13	18.39	18.10	19.00	20.54	20.88	20.76	21.50	19.86	19.89	19.78	21.00		

LTE Band 7 Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Channel	Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)				20765	21000	21400	21800			
10 QPSK	1	0	13.22	13.36	13.31			14.5	0	
10 QPSK	1	48	13.12	13.23	13.33					
10 QPSK	1	96	13.27	13.23	13.34					
10 QPSK	50	0	13.26	13.34	13.21					
10 QPSK	24	0	13.24	13.25	13.23					
10 QPSK	50	50	13.22	13.12	13.33			14.5	0	
10 QPSK	100	0	13.15	13.31	13.27					
10 QPSK	1	0	13.33	13.25	13.31					
10 QPSK	1	49	13.15	13.22	13.32			14.5	0	
10 QPSK	1	99	13.16	13.17	13.17					
10 QPSK	50	0	13.17	13.17	13.32					
10 QPSK	50	24	13.34	13.31	13.13			14.5	0	
10 QPSK	50	50	13.18	13.12	13.28					
10 QPSK	100	0	13.12	13.15	13.13					
10 QPSK	1	0	13.24	13.15	13.12			14.5	0	
10 QPSK	1	49	13.33	13.24	13.11					
10 QPSK	1	99	13.32	13.26	13.26					
10 QPSK	50	0	13.32	13.26	13.17					
10 QPSK	50	24	13.17	13.18	13.22			14.5	0	
10 QPSK	50	50	13.19	13.33	13.34					
10 QPSK	100	0	13.16	13.22	13.34					
10 QPSK	1	99	13.12	13.36	13.32			14.5	0	
10 QPSK	1	49	13.31	13.22	13.28					
10 QPSK	50	0	13.33	13.25	13.31					
10 QPSK	50	50	13.24	13.22	13.24					
10 QPSK	50	24	13.16	13.15	13.21			14.5	0	
10 QPSK	50	50	13.25	13.14	13.33					
10 QPSK	100	0	13.21	13.14	13.29					
Channel										
Frequency (MHz)				20825	21100	21400	21775			
15 QPSK	1	0	13.18	13.21	13.15			14.5	0	
15 QPSK	1	37	13.03	13.12	13.19					
15 QPSK	1	74	13.22	13.18	13.24					
15 QPSK	36	0	13.09	13.26	13.15					
15 QPSK	36	20	13.24	13.25	13.23			14.5	0	
15 QPSK	36	39	13.14	13.08	13.29					
15 QPSK	75	0	13.06	13.26	13.08					
15 QPSK	1	0	13.20	13.07	13.14			14.5	0	
15 QPSK	1	37	13.10	13.04	13.13					
15 QPSK	1	74	13.05	13.03	13.08					
15 QPSK	36	0	13.07	13.05	13.14					
15 QPSK	36	20	13.22	13.15	13.25			14.5	0	
15 QPSK	36	39	13.03	13.22	13.11					
15 QPSK	75	0	12.84	13.03	13.01					
15 QPSK	1	0	13.18	13.08	13.07			14.5	0	
15 QPSK	1	37	13.07	13.05	13.06					
15 QPSK	1	74	13.20	13.15	13.13					
15 QPSK	36	0	13.15	13.21	13.07			14.5	0	
15 QPSK	36	20	13.07	13.05	13.16					
15 QPSK	36	39	13.14	13.20	13.24					
15 QPSK	75	0	13.07	13.07	13.14					
15 QPSK	1	37	13.19	13.02	13.22			14.5	0	
15 QPSK	1	74	13.22	13.12	13.19					
15 QPSK	36	0	13.14	13.17	13.10					
15 QPSK	36	20	13.07	13.09	13.10					
15 QPSK	36	39	13.08	13.03	13.18			14.5	0	
15 QPSK	75	0	13.02	13.10	13.12					
Channel										
Frequency (MHz)				20890	21100	21400	21775			
10 QPSK	1	0	13.09	13.26	13.17			14.5	0	
10 QPSK	1	25	12.95	13.18	13.07					
10 QPSK	1	48	13.21	13.17	13.20					
10 QPSK	25	0	13.13	13.27	13.12					
10 QPSK	25	12	13.17	13.06	13.08			14.5	0	
10 QPSK	25	25	13.14	13.08	13.28					
10 QPSK	50	0	12.97	13.22	13.15					
10 QPSK	1	0	13.16	13.16	13.16			14.5	0	
10 QPSK	1	25	13.04	13.06	13.17					
10 QPSK	1	49	13.00	13.12	13.01					
10 QPSK	50	0	13.05	13.04	13.16					
10 QPSK	50	12	13.23	13.22	13.07			14.5	0	
10 QPSK	50	25	13.12	13.25	13.23					
10 QPSK	100	0	12.96	13.01	13.00					
10 QPSK	1	0	13.16	13.02	12.97			14.5	0	
10 QPSK	1	25	13.11	13.09	13.08					
10 QPSK	1	49	13.21	13.08	13.15					
10 QPSK	25	0	13.17	13.12	12.99			14.5	0	
10 QPSK	25	12	13.11	13.09	13.08					
10 QPSK	25	25	13.06	13.19	13.28					
10 QPSK	50	0	12.96	13.11	13.29					
10 QPSK	1	0	13.24	13.26	13.22			14.5	0	
10 QPSK	1	25	13.25	13.07	13.20					
10 QPSK	1	49	13.28	13.07	13.10					
10 QPSK	50	0	13.04	13.13	13.18			14.5	0	
10 QPSK	50	12	13.06	13.08	13.03					
10 QPSK	50	25	13.11	13.09	13.14					
10 QPSK	50	50	13.13	13.00	13.14					
Channel										
Frequency (MHz)				20975	21100	21400	21775			
5 QPSK	1	0	13.05	13.25	13.20			14.5	0	
5 QPSK	1	12	12.97	13.03	13.18					
5 QPSK	1	24	13.14	13.14	13.29					
5 QPSK	12	0	13.10	13.17	13.04					
5 QPSK	12	7	13.06	13.18	13.16			14.5	0	
5 QPSK	12	13	13.17	13.01	13.18					
5 QPSK	25	0	13.02	13.14	13.14					
5 QPSK	1	0	13.13	13.12	13.17			14.5	0	
5 QPSK	1	12	12.98	13.13	13.21					
5 QPSK	1	24	13.11	12.99	13.06					
5 QPSK	12	0	13.06	13.09	13.11					
5 QPSK	12	7	13.20	13.15	13.09			14.5	0	
5 QPSK	12	13	13.06	13.25	13.14					
5 QPSK	25	0	13.03	13.13	13.18					
5 QPSK	25	12	13.13	13.04	13.06					
5 QPSK	25	25	13.05	13.06	13.03			14.5	0	
5 QPSK	50	0	12.96	13.11	13.29					
5 QPSK	1	0	13.24	13.26	13.22			14.5	0	
5 QPSK	1	25	13.25	13.07	13.20					
5 QPSK	1	49	13.28	13.07	13.10					
5 QPSK	50	0	13.04	13.13	13.18			14.5	0	
5 QPSK	50	12	13.06	13.08	13.03					
5 QPSK	50	25	13.11	13.09	13.14					
5 QPSK	50	50	13.13	13.00	13.14					

LTE Band 12 Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Channel	Low Ch. / Freq. (MHz)	Mid Ch. / Freq. (MHz)	High Ch. / Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)					704	707.5	711			
10 QPSK	1	0	22.54	22.67	22.64			23.5	0	
10 QPSK	1	26	22.47	22.61	22.43					
10 QPSK	1	48	22.62	22.52	22.58					
10 QPSK	25	0	22.61	22.64	22.56					
10 QPSK	25	12	22.41	22.54	22.55			23.5	0	
10 QPSK	25	25	22.45	22.48	22.47					
10 QPSK	50	0	22.59	22.61	22.58					
10 QPSK	1	0	22.56	22.47	22.53					
10 QPSK	1	25	22.48	22.49	22.42			23.5	0	
10 QPSK	1	49	22.55	22.52	22.47					
10 QPSK	25	0	22.25	22.57	22.13					
10 QPSK	25	12	22.16	22.12	22.24			23	0.5	
10 QPSK	25	25	22.31	22.15	22.33					
10 QPSK	50	0	22.15	22.29	22.12					
10 QPSK	1	0	22.20	22.20	22.22					
10 QPSK	1	25	22.22	22.34	22.14			23	0.5	
10 QPSK	1	49	22.28	22.34	22.20					
10 QPSK	25	0	21.01	20.80	21.04					
10 QPSK	25	12	20.93	20.94	20.83			22	1.5	
10 QPSK	25	25	21.02	20.97	21.00					
10 QPSK	50	0	20.96	20.89	21.02					
10 QPSK	50	12	19.12	18.15	19.18			20	3.5	
10 QPSK	50	25	19.16	19.09	19.01					
10 QPSK	100	0	19.12	19.09	19.15					
10 QPSK	25	12	19.21	19.04	19.15			20	3.5	
10 QPSK	25	25	19.25	19.14	19.33					
10 QPSK	50	0	19.15	18.90	19.25					
Channel										
Frequency (MHz)					705.5	707.5	713.5			
5 QPSK	1	0	22.42	22.57	22.53			23.5	0	
5 QPSK	1	12	22.47	22.41	22.47					
5 QPSK	1	24	22.46	22.43	22.47					
5 QPSK	12	0	22.51	22.57	22.51			23.5	0	
5 QPSK	12	12	22.41	22.47	22.41					
5 QPSK	12	13	22.39	22.28	22.32					
5 QPSK	25	0	22.52	22.52	22.52					
5 QPSK	1	0	22.62	22.37	22.46					
5 QPSK	1	12	22.39	22.38	22.25			23.5	0	
5 QPSK	1	24	22.32	22.33	22.23					
5 QPSK	12	0	22.42	22.26	22.18					
5 QPSK	12	12	22.22	22.28	22.15					
5 QPSK	12	13	22.00	21.87	22.03			23	0.5	
5 QPSK	25	0	22.01	22.01	22.01					
5 QPSK	25	12	22.04	22.18	22.14					
5 QPSK	25	25	22.12	22.05	22.12			23	0.5	
5 QPSK	1	0	22.04	22.18	22.14					
5 QPSK	1	24	22.02	22.33	22.05					
5 QPSK	1	25	22.04	22.18	22.14					
5 QPSK	12	7	20.73	20.89	20.67			22	1.5	
5 QPSK	12	13	20.84	20.88	20.87					
5 QPSK	25	0	20.73	20.88	20.87					
5 QPSK	25	0	19.17	18.99	19.12					
5 QPSK	25	12	18.99	18.99	18.99			20	3.5	
5 QPSK	25	13	19.15	18.90	18.87					
5 QPSK	12	0	19.14	19.02	18.99					
5 QPSK	12	13	19.02	18.99	18.99			20	3.5	
5 QPSK	12	13	19.15	18.88	18.83					
5 QPSK	25	0	18.89	19.06	19.01					
5 QPSK	25	0	18.86	19.06	19.01					
Channel										
Frequency (MHz)					706.5	707.5	714.5			
3 QPSK	1	0	22.39	22.53	22.56			23.5	0	
3 QPSK	1	12	22.44	22.47	22.46					
3 QPSK	1	24	22.57	22.48	22.48					
3 QPSK	1	25	22.45	22.45	22.45					
3 QPSK	8	4	22.46	22.48	22.49			23.5	0	
3 QPSK	8	7	22.32	22.31	22.29					
3 QPSK	8	13	22.32	22.32	22.28					
3 QPSK	15	0	22.43	22.32	22.39			23.5	0	
3 QPSK	15	8	22.39	22.44	22.35					
3 QPSK	15	14	22.36	22.36	22.34					
3 QPSK	8	0	22.28	22.08	22.18					
3 QPSK	8	7	22.19	22.11	22.15			23	0.5	
3 QPSK	15	0	22.05	22.19	22.05					
3 QPSK	15	8	22.07	22.05	22.03					
3 QPSK	15	14	22.13	22.14	22.12					
3 QPSK	15	14	22.02	22.02	22.03					
3 QPSK	8	4	20.71	20.24	20.23			22	1.5	
3 QPSK	8	4	20.71	20.96	20.80					
3 QPSK	15	0	20.85	20.87	20.84					
3 QPSK	15	0	19.02	18.96	18.98			20	3.5	
3 QPSK	15	8	18.98	18.98	18.98					
3 QPSK	15	14	19.03	18.93	18.93					
3 QPSK	8	0	19.13	18.98	19.03			20	3.5	
3 QPSK	8	0	19.01	18.97	18.97					
3 QPSK	8	7	19.13	18.98	19.02					
3 QPSK	15	0	19.01	18.96	18.96					
Channel										
Frequency (MHz)					707.5	707.5	713.5			
1.4 QPSK	1	0	22.38	22.37	22.32			23.5	0	
1.4 QPSK	1	5	22.49	22.36	22.80					
1.4 QPSK	1	10	22.48	22.36	22.80					
1.4 QPSK	1	15	22.48	22.46	22.49					
1.4 QPSK	8	0	22.35	22.39	22.36			23.5	0	
1.4 QPSK	8	5	22.35	22.35	22.35					
1.4 QPSK	8	10	22.35	22.35	22.35					
1.4 QPSK	8	15	22.34	22.42	22.49			23.5	0	
1.4 QPSK	1	0	22.36	22.59	22.48					
1.4 QPSK	1	5	22.36	22.59	22.48					
1.4 QPSK	1	10	22.34	22.43	22.43					
1.4 QPSK	1	15	22.34	22.43	22.43					
1.4 QPSK	8	0	22.03	22.07	21.70			23	0.5	
1.4 QPSK	8	5	21.98	22.02	21.76					
1.4 QPSK	8	10	21.60	21.75	21.78					
1.4 QPSK	8	15	21.60	21.75	21.78			23	0.5	
1.4 QPSK	1	0	22.05	22.07	21.83					
1.4 QPSK	1	5	21.82	21.76	21.71					
1.4 QPSK	1	10	21.82	21.76	21.70					
1.4 QPSK	1	15	21.82	21.76	21.70					
1.4 QPSK	8	0	20.81	20.89	20.69			22	1.5	
1.4 QPSK	8	5	20.85	20.81	20.84					
1.4 QPSK	8	10	18.88	18.87	18.87					
1.4 QPSK	8	15	18.88	18.87	18.87			20	3.5	
1.4 QPSK	1	0	19.07	19.02	18.73					
1.4 QPSK	1	5	19.04	18.81	18.84					
1.4 QPSK	1	10	18.82	18.73	18.73			20	3.5	
1.4 QPSK	1	15	18.82	18.73	18.73					

LTE Band 17 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Frequency (MHz)										
10	QPSK	1	0	22.44	22.56	22.53				23.5
10	QPSK	1	26	22.62	22.66	22.67				
10	QPSK	1	49	22.54	22.44	22.38				
10	QPSK	25	0	22.42	22.61	22.45				
10	QPSK	25	12	22.35	22.34	22.41				
10	QPSK	25	25	22.46	22.37	22.49				
10	QPSK	50	0	22.46	22.49	22.34				
10	QPSK	50	0	22.40	22.36	22.38				
10	QPSK	1	26	22.42	22.37	22.49				
10	QPSK	1	49	22.65	22.46	22.57				
10	QPSK	25	0	22.15	22.25	22.27				
10	QPSK	25	12	22.18	22.19	22.29				
10	QPSK	25	25	22.35	22.34	22.35				
10	QPSK	50	0	22.13	22.38	22.04				
10	QPSK	50	0	22.19	22.18	22.19				
10	QPSK	1	26	22.32	22.38	22.04				
10	QPSK	1	49	22.37	22.29	22.09				
10	QPSK	25	0	21.03	20.81	21.07				
10	QPSK	25	12	20.81	20.83	20.84				
10	QPSK	25	25	21.01	21.02	20.89				
10	QPSK	50	0	21.09	20.87	21.03				
10	QPSK	50	0	19.32	19.21	19.21				
10	QPSK	1	26	19.24	19.18	18.84				
10	QPSK	1	49	19.05	19.12	18.89				
10	QPSK	25	0	19.19	19.10	19.04				
10	QPSK	25	12	19.19	19.16	18.83				
10	QPSK	25	25	19.16	19.13	18.92				
10	QPSK	50	0	18.99	19.21	19.22				
Channel										
Frequency (MHz)	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
5	QPSK	1	0	22.33	22.51	22.49				
5	QPSK	1	26	22.43	22.23	22.29				
5	QPSK	1	26	22.41	22.28	22.19				
5	QPSK	12	0	22.26	22.43	22.32				
5	QPSK	12	13	22.35	22.17	22.44				
5	QPSK	25	0	22.33	22.39	22.27				
5	QPSK	1	12	22.28	22.22	22.37				
5	QPSK	1	24	22.29	22.26	22.45				
5	QPSK	12	0	22.26	22.28	22.13				
5	QPSK	12	7	22.05	22.11	22.06				
5	QPSK	12	13	22.16	22.12	22.18				
5	QPSK	25	0	21.98	22.23	22.02				
5	QPSK	1	0	22.09	22.19	22.15				
5	QPSK	1	12	22.02	22.34	22.09				
5	QPSK	1	24	22.13	22.32	22.25				
5	QPSK	12	0	20.85	20.86	20.82				
5	QPSK	12	7	20.86	20.86	20.83				
5	QPSK	12	13	20.87	20.91	20.91				
5	QPSK	25	0	20.84	20.89	21.05				
5	QPSK	1	0	19.18	19.01	19.02				
5	QPSK	1	12	19.14	18.94	18.81				
5	QPSK	1	24	19.05	18.96	19.00				
5	QPSK	12	0	19.07	18.90	19.17				
5	QPSK	12	7	19.14	18.96	18.99				
5	QPSK	12	13	19.06	19.04	18.99				
5	QPSK	25	0	18.94	19.09	19.19				

LTE Band 25 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Frequency (MHz)										
20	QPSK	1	0	19.56	19.59	19.64				
20	QPSK	1	49	19.57	19.52	19.56				
20	QPSK	1	99	19.60	19.56	19.45				
20	QPSK	50	0	19.59	19.55	19.52				
20	QPSK	50	24	19.54	19.46	19.45				
20	QPSK	50	50	19.52	19.55	19.48				
20	QPSK	100	0	19.62	19.53	19.56				
20	QPSK	100	0	19.57	19.54	19.50				
20	QPSK	1	49	19.44	19.61	19.55				
20	QPSK	1	99	19.56	19.51	19.45				
20	QPSK	50	0	19.55	19.49	19.47				
20	QPSK	50	24	19.50	19.46	19.48				
20	QPSK	50	24	19.55	19.56	19.57				
20	QPSK	100	0	19.54	19.47	19.38				
20	QPSK	1	0	19.56	19.50	19.56				
20	QPSK	1	49	19.64	19.56	19.49				
20	QPSK	50	0	19.67	19.49	19.49				
20	QPSK	50	0	19.60	19.55	19.60				
20	QPSK	50	24	19.55	19.56	19.57				
20	QPSK	50	50	19.46	19.55	19.45				
20	QPSK	100	0	19.47	19.61	19.35				
20	QPSK	100	0	17.72	17.71	17.75				
20	QPSK	1	49	17.93	17.84	17.85				
20	QPSK	1	99	17.77	17.86	17.79				
20	QPSK	50	0	17.84	17.84	17.79				
20	QPSK	50	24	17.86	17.88	17.85				
20	QPSK	50	24	17.83	17.85	17.83				
20	QPSK	100	0	17.87	17.97	17.91				
Channel										
Frequency (MHz)	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
10	QPSK	1	0	19.50	19.53	19.49				
10	QPSK	1	49	19.57	19.49	19.39				
10	QPSK	1	74	19.51	19.48	19.34				
10	QPSK	36	0	19.49	19.53	19.47				
10	QPSK	36	0	19.47	19.35	19.41				
10	QPSK	36	36	19.39	19.60	19.34				
10	QPSK	75	0	19.51	19.56	19.48				
10	QPSK	1	37	19.55	19.56	19.45				
10	QPSK	1	37	19.27	19.41	19.51				
10	QPSK	1	74	19.50	19.44	19.25				
10	QPSK	36	0	19.47	19.41	19.45				
10	QPSK	36	20	19.49	19.45	19.45				
10	QPSK	36	36	19.40	19.42	19.45				
10	QPSK	75	0	19.39	19.32	19.47				
10	QPSK	1	0	19.45	19.43	19.51				
10	QPSK	1	37	19.54	19.45	19.45				
10	QPSK	1	74	19.55	19.44	19.37				
10	QPSK	36	0	19.43	19.60	19.54				
10	QPSK	36	20	19.49	19.45	19.45				
10	QPSK	36	36	19.26	19.48	19.39				
10	QPSK	75	0	19.42	19.50	19.36				
10	QPSK	1	0	17.72	17.74	17.75				
10	QPSK	1	37	17.84	17.79	17.80				
10	QPSK	1	74	17.74	17.78	17.79				
10	QPSK	36	0	17.83	17.84	17.84				
10	QPSK	36	20	17.86	17.93	17.77				
10	QPSK	36	36	17.87	17.85	17.85				
10	QPSK	75	0	17.85	17.82	17.79				
Channel										
Frequency (MHz)	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
5	QPSK	1	0	19.40	19.50	19.50				
5	QPSK	1	25	19.54	19.47	19.51				
5	QPSK	1	49	19.52	19.45	19.35				
5	QPSK	25	0	19.42	19.55	19.48				
5	QPSK	25	12	19.53	19.35	19.42				
5	QPSK	25	12	19.47	19.59	19.39				
5	QPSK	50	0	19.45	19.54	19.48				
5	QPSK	1	0	19.51	19.45	19.51				
5	QPSK	1	26	19.35	19.56	19.46				
5	QPSK	1	49	19.46	19.46	19.31				
5	QPSK	1	99	19.46	19.38	19.37				
5	QPSK	25	0	19.35	19.42	19.39				
5	QPSK	25	12	19.53	19.37	19.52				
5	QPSK	25	25	19.34	19.34	19.41				
5	QPSK	50	0	19.41	19.28	19.41				
5	QPSK	50	0	19.43	19.35	19.40				
5	QPSK	1	25	19.54	19.46	19.41				
5	QPSK	1	49	19.49	19.43	19.44				
5	QPSK	25	0	19.51	19.48	19.47				
5	QPSK	25	12	19.36	19.38	19.37				
5	QPSK	25	25	19.39	19.48	19.27				
5	QPSK	50	0	19.32	19.47	19.43				
5	QPSK	1	0	17.72	17.75	17.75				
5	QPSK	1	25	17.78	17.75	17.75				
5	QPSK	1	49	17.86	17.83	17.80				
5	QPSK	25	0	17.85	17.88	17.82				
5	QPSK	25	12	17.87	17.85	17.81				
5	QPSK	50	0	17.87	17.85	17.81				
Channel										
Frequency (MHz)	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	MPR (dB)
1.4	QPSK	1	0	19.41	19.59	19.59				
1.4	QPSK	1	0	19.49	19.49	19.51				
1.4	QPSK	1	14	19.51	19.44	19.35				
1.4	QPSK	8	0	19.50	19.56	19.57				
1.4	QPSK	8	0	19.48	19.52	19.54				
1.4	QPSK	8	8	19.38	19.60	19.37				
1.4	QPSK	15	0	19.52	19.47	19.45				
1.4	QPSK	15	0	19.49	19.38	19.36				
1.4	QPSK	1	14	19.55	19.40	19.38				
1.4	QPSK	8	0	19.51	19.52	19.53				
1.4	QPSK	8	4	19.54	19.28	19.59				
1.4	QPSK	15	0	19.46	19.46	19.38				
1.4	QPSK	1	0	19.53	19.46	19.38				
1.4	QPSK	1	14	19.48	19.38	19.36				
1.4	QPSK	8	0	19.45	19.56	19.46				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	8	19.35	19.51	19.45				
1.4	QPSK	15	0	19.42	19.46	19.40				
1.4	QPSK	15	0	19.40	19.42	19.36				
1.4	QPSK	1	14	19.47	19.36	19.34				
1.4	QPSK	8	0	19.49	19.56	19.46				
1.4	QPSK	8	4	19.48	19.38	19.36				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4	QPSK	15	0	19.42	19.42	19.34				
1.4	QPSK	1	0	19.35	19.46	19.38				
1.4	QPSK	1	14	19.49	19.38	19.36				
1.4	QPSK	8	0	19.47	19.57	19.47				
1.4	QPSK	8	4	19.47	19.37	19.35				
1.4										

LTE Band 30 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / High Ch. /	Power High Ch. / Low Ch. /	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.52	15.52	15.52	16.5	0	
10	QPSK	1	20	15.52	15.52	15.52	16.5	0	
10	QPSK	1	40	15.52	15.52	15.52	16.5	0	
10	QPSK	25	0	15.52	15.52	15.52	16.5	0	
10	QPSK	25	12	15.52	15.52	15.52	16.5	0	
10	QPSK	25	25	15.52	15.52	15.52	16.5	0	
10	QPSK	50	0	15.52	15.52	15.52	16.5	0	
10	16QAM	1	0	15.52	15.52	15.52	16.5	0	
10	16QAM	1	20	15.52	15.52	15.52	16.5	0	
10	16QAM	1	40	15.52	15.52	15.52	16.5	0	
10	16QAM	25	0	15.52	15.52	15.52	16.5	0	
10	16QAM	25	12	15.52	15.52	15.52	16.5	0	
10	16QAM	25	25	15.52	15.52	15.52	16.5	0	
10	16QAM	50	0	15.52	15.52	15.52	16.5	0	
10	64QAM	1	0	15.52	15.52	15.52	16.5	0	
10	64QAM	1	20	15.52	15.52	15.52	16.5	0	
10	64QAM	1	40	15.52	15.52	15.52	16.5	0	
10	64QAM	25	0	15.52	15.52	15.52	16.5	0	
10	64QAM	25	12	15.52	15.52	15.52	16.5	0	
10	64QAM	25	25	15.52	15.52	15.52	16.5	0	
10	64QAM	50	0	15.52	15.52	15.52	16.5	0	
10	256QAM	1	0	15.52	15.52	15.52	16.5	0	
10	256QAM	1	20	15.52	15.52	15.52	16.5	0	
10	256QAM	1	40	15.52	15.52	15.52	16.5	0	
10	256QAM	25	0	15.52	15.52	15.52	16.5	0	
10	256QAM	25	12	15.52	15.52	15.52	16.5	0	
10	256QAM	25	25	15.52	15.52	15.52	16.5	0	
10	256QAM	50	0	15.52	15.52	15.52	16.5	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.52	15.52	15.52	16.5	0	
5	QPSK	1	20	15.52	15.52	15.52	16.5	0	
5	QPSK	1	40	15.52	15.52	15.52	16.5	0	
5	QPSK	12	0	15.52	15.52	15.52	16.5	0	
5	QPSK	12	13	15.52	15.52	15.52	16.5	0	
5	QPSK	25	0	15.52	15.52	15.52	16.5	0	
5	16QAM	1	0	15.52	15.52	15.52	16.5	0	
5	16QAM	1	12	15.52	15.52	15.52	16.5	0	
5	16QAM	1	24	15.52	15.52	15.52	16.5	0	
5	16QAM	12	0	15.52	15.52	15.52	16.5	0	
5	16QAM	12	7	15.52	15.52	15.52	16.5	0	
5	16QAM	25	0	15.52	15.52	15.52	16.5	0	
5	64QAM	1	0	15.52	15.52	15.52	16.5	0	
5	64QAM	1	12	15.52	15.52	15.52	16.5	0	
5	64QAM	1	24	15.52	15.52	15.52	16.5	0	
5	64QAM	12	0	15.52	15.52	15.52	16.5	0	
5	64QAM	12	7	15.52	15.52	15.52	16.5	0	
5	64QAM	25	0	15.52	15.52	15.52	16.5	0	
5	256QAM	1	0	15.52	15.52	15.52	16.5	0	
5	256QAM	1	12	15.52	15.52	15.52	16.5	0	
5	256QAM	1	24	15.52	15.52	15.52	16.5	0	
5	256QAM	12	0	15.52	15.52	15.52	16.5	0	
5	256QAM	12	7	15.52	15.52	15.52	16.5	0	
5	256QAM	25	0	15.52	15.52	15.52	16.5	0	

LTE Band 66 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / High Ch. /	Power High Ch. / Low Ch. /	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.13	22.21	22.18	23	0	
20	QPSK	1	40	22.16	22.01	22.16	23	0	
20	QPSK	1	80	22.13	22.01	22.18	23	0	
20	QPSK	50	0	22.00	22.18	22.04	23	0	
20	QPSK	50	24	22.15	22.17	22.03	23	0	
20	QPSK	50	50	22.20	22.18	22.04	23	0	
20	QPSK	100	0	21.99	22.14	21.96	23	0	
20	16QAM	1	0	21.99	22.12	21.92	23	0	
20	16QAM	1	40	21.99	22.12	21.92	23	0	
20	16QAM	1	80	21.99	22.12	21.92	23	0	
20	16QAM	50	0	20.90	20.91	20.90	22	1	
20	16QAM	50	24	20.96	21.01	20.99	22	1	
20	16QAM	50	50	20.96	21.01	20.99	22	1	
20	16QAM	100	0	20.90	20.95	20.90	22	1	
20	64QAM	1	0	21.04	21.04	20.99	22	1	
20	64QAM	1	40	21.04	21.04	20.99	22	1	
20	64QAM	1	80	20.93	20.96	20.98	22	1	
20	64QAM	50	0	19.98	19.99	19.94	21	2	
20	64QAM	50	24	19.97	19.97	19.94	21	2	
20	64QAM	50	50	19.94	19.91	19.95	21	2	
20	64QAM	100	0	19.99	19.97	19.99	21	2	
20	256QAM	1	0	17.84	17.88	17.88	19	4	
20	256QAM	1	40	18.01	17.95	17.88	19	4	
20	256QAM	1	80	17.97	17.95	17.99	19	4	
20	256QAM	50	0	17.97	17.97	17.99	19	4	
20	256QAM	50	24	17.93	17.99	18.08	19	4	
20	256QAM	50	50	17.93	17.95	17.99	19	4	
20	256QAM	100	0	18.08	17.94	17.93	19	4	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.06	22.16	22.06	23	0	
10	QPSK	1	40	22.07	22.16	22.07	23	0	
10	QPSK	1	80	22.03	22.09	22.07	23	0	
10	QPSK	36	0	21.93	22.05	21.87	23	0	
10	QPSK	36	24	22.03	22.05	22.03	23	0	
10	QPSK	36	50	21.89	21.93	21.89	23	0	
10	QPSK	75	0	21.91	22.05	21.89	23	0	
10	16QAM	1	0	21.81	21.92	21.81	23	0	
10	16QAM	1	37	21.83	21.98	21.98	23	0	
10	16QAM	1	74	21.97	21.89	22.02	23	0	
10	16QAM	36	0	20.82	20.88	20.88	22	1	
10	16QAM	36	20	20.78	21.03	20.89	22	1	
10	16QAM	36	50	20.82	20.79	20.79	22	1	
10	16QAM	75	0	20.89	21.78	20.88	22	1	
10	64QAM	1	0	20.77	20.69	20.70	22	1	
10	64QAM	1	37	20.82	20.85	20.85	22	1	
10	64QAM	1	74	20.74	20.92	20.95	22	1	
10	64QAM	36	0	19.98	19.96	19.79	21	2	
10	64QAM	36	20	19.98	19.74	19.88	21	2	
10	64QAM	36	50	19.98	19.80	19.93	21	2	
10	64QAM	75	0	17.75	17.87	17.88	19	4	
10	256QAM	1	0	17.83	17.85	17.88	19	4	
10	256QAM	1	37	17.76	17.91	17.88	19	4	
10	256QAM	1	74	17.77	17.91	17.88	19	4	
10	256QAM	36	0	17.72	17.83	18.00	19	4	
10	256QAM	36	20	17.72	17.83	18.00	19	4	
10	256QAM	36	50	17.72	17.83	18.00	19	4	
10	256QAM	75	0	17.96	17.75	17.81	19	4	
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.97	22.15	22.04	23	0	
5	QPSK	1	25	21.96	21.92	22.11	23	0	
5	QPSK	1	40	22.01	21.98	22.07	23	0	
5	QPSK	25	0	21.87	22.10	21.91	23	0	
5	QPSK	25	12	22.05	22.11	21.93	23	0	
5	QPSK	25	25	21.89	21.92	21.87	23	0	
5	QPSK	50	0	21.84	22.10	21.77	23	0	
5	16QAM	1	0	21.81	21.85	21.81	23	0	
5	16QAM	1	25	21.77	21.98	21.92	23	0	
5	16QAM	1	49	21.99	21.83	22.09	23	0	
5	16QAM	1	74	21.96	21.86	22.02	23	0	
5	16QAM	25	0	20.78	20.99	20.80	22	1	
5	16QAM	25	12	20.78	20.99	20.80	22	1	
5	16QAM	25	25	20.78	20.99	20.80	22	1	
5	16QAM	50	0	20.86	20.74	20.65	22	1	
5	16QAM	50	24	20.76	20.94	20.99	22	1	
5	16QAM	50	50	20.86	20.74	20.65	22	1	
5	16QAM	100	0	20.86	20.74	20.65	22	1	
5	64QAM	1	0	20.86	20.74	20.65	22	1	
5	64QAM	1	25	21.05	20.98	20.89	22	1	
5	64QAM	1	49	20.76	20.94	20.99	22	1	
5	64QAM	25	0	19.81	19.77	19.78	21	2	
5	64QAM	25	12	19.82	19.92	19.94	21	2	
5	64QAM	25	25	19.81	19.92	19.94	21	2	
5	64QAM	50	0	19.78	19.87	19.87	21	2	
5	64QAM	50	24	19.78	19.87	19.87	21	2	
5	64QAM	50	50	19.78	19.87	19.87	21	2	
5	64QAM	100	0	19.67	19.92	19.85	20	3	
5	64QAM	100	25	19.67	19.92	19.85	20	3	
5	64QAM	100	50	19.67	19.92	19.85	20	3	
5	256QAM	1	0	17.84	17.78	17.87	19	4	
5	256QAM	1	14	17.86	17.92	17.82	19	4	
5	256QAM	1	28	17.84	17.82	17.88	19	4	
5	256QAM	1	42	17.84	17.82	17.88	19	4	
5	256QAM	1	56	17.84	17.82	17.88	19	4	
5	256QAM	1	70	17.84	17.82	17.88	19	4	
5	256QAM	1	84	17.84	17.82	17.88	19	4	
5	256QAM	1	98	17.84	17.82	17.88	19	4	
5	256QAM	1	112	17.84	17.82	17.88	19	4	
5	256QAM	1	126	17.84	17.82	17.88	19	4	
5	256QAM	1	140	17.84	17.82	17.88	19	4	
5	256QAM	1	154	17.84	17.82	17.88	19	4	
5	256QAM	1	168	17.84	17.82	17.88	19	4	
5	256QAM	1	182	17.84	17.82	17.88	19	4	
5	256QAM	1	196	17.84	17.82	17.88	19	4	
5	256QAM	1	210	17.84	17.82	17.88	19	4	
5	256QAM	1	224	17.84	17.82	17.88	19	4	
5	256QAM	1	238	17.84	17.82	17.88	19	4	
5	256QAM	1	252	17.84	17.82	17.88	19	4	
5	256QAM	1	266	17.84	17.82	17.88	19	4	
5	256QAM	1	280	17.84	17.82	17.88	19	4	
5	256QAM	1	294	17.84	17.82	17.88	19	4	
5	256QAM	1	308	17.84	17.82	17.88	19	4	
5	256QAM	1	322	17.84	17.82	17.88	19	4	
5	256QAM	1	336	17.84	17.82	17.88	19	4	
5	256QAM	1	350	17.84	17.82	17.88	19	4	
5	256QAM	1	364	17.84	17.82	17.88	19	4	
5	256QAM	1	378	17.84	17.82	17.88	19	4	
5	256QAM	1	392	17.84	17.82	17.88	19	4	
5	256QAM	1	406	17.84	17.82	17.88	19	4	
5	256QAM	1	420	17.84	17.82	17.88	19	4	
5	256QAM	1	434	17.84	17.82	17.88	19	4	
5	256QAM	1	448	17.84	17.82	17.88	19	4	
5	256QAM	1	462	17.84	17.82	17.88	19	4	
5	256QAM	1	476	17.84	17.82	17.88	19	4	
5	256QAM	1	490	17.84	17.82	17.88	19	4	
5	256QAM	1	504	17.84	17.82	17.88	19	4	
5	256QAM	1	518	17.84	17.82	17.88	19	4	
5	256QAM	1	532	17.84	17.82	17.88	19	4	
5	256QAM	1	546	17.84	17.82	17.88	19	4	
5	256QAM	1	560	17.84	17.82	17.88	19	4	
5	256QAM	1	574	17.84	17.82	17.88	19	4	
5	256QAM	1	588	17.84	17.82	17.88	19	4	
5	256QAM	1	602	17.84	17.82	17.88	19	4	
5	256QAM	1	616	17.84	17.82	17.88	19	4	
5	256QAM	1	630	17.84	17.82	17.88	19	4	
5	256QAM	1	644	17.84	17.82	17.88	19	4	
5	256QAM	1	658	17.84	17.82	17.88	19	4	
5	256QAM	1	672	17.84	17.82	17.88	19	4	
5	256QAM	1	686	17.84	17.82	17.88	19	4	
5	256QAM	1	700	17.84	17.82	17.88	19	4	
5	256QAM	1	714	17.84	17.82	17.88	19	4	
5	256QAM	1	728	17.84	17.82	17.88	19	4	
5	256QAM	1	742	17.84	17.82	17.88	19	4	
5	256QAM	1	756	17.84	17.82	17.88	19	4	
5	256QAM	1	770	17.84	17.82	17.88	19	4	
5	256QAM	1	784	17.84	17.82	17.88	19	4	
5	256QAM	1	798	17.84	17.82	17.88	19	4	
5	256QAM	1	812	17.84	17.82	17.88	19	4	
5	256QAM	1	826	17.84	17.82	17.88	19	4	
5	256QAM	1	840	17.84	17.82	17.88	19	4	
5	256QAM	1	854	17.84	17.82	17.88	19	4	
5	256QAM	1	868	17.84	17.82	17.88	19	4	
5	256QAM	1	882	17.84	17.82	17.88	19	4	
5	256QAM	1	896	17.84	17.82	17.88	19	4	
5	256QAM	1	910	17.84	17.82	1			

LTE Band 38 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.03	14.08	14.06				
20	QPSK	1	49	13.88	13.89	14.00	15.5	0		
20	QPSK	1	99	13.62	13.98	13.93				
20	QPSK	50	0	13.99	14.04	13.97				
20	QPSK	50	24	13.96	13.98	13.81				
20	QPSK	50	50	13.98	14.01	13.98	15.5	0		
20	16QAM	1	0	14.02	13.96	13.77				
20	16QAM	1	49	14.07	13.79	13.59	15.5	0		
20	16QAM	1	99	13.99	13.94	13.80				
20	16QAM	50	0	13.99	13.96	13.86				
20	16QAM	50	24	13.96	14.07	13.84	15.5	0		
20	16QAM	50	50	13.92	13.84	13.90				
20	16QAM	100	0	13.97	13.84	13.91				
20	64QAM	1	0	13.92	13.93	13.92				
20	64QAM	1	49	13.79	14.00	13.78	15.5	0		
20	64QAM	1	99	13.93	13.75	13.98				
20	64QAM	50	0	13.89	13.78	13.98				
20	64QAM	50	24	13.99	13.77	14.01	15.5	0		
20	64QAM	50	50	13.90	13.77	14.03				
20	256QAM	1	0	13.93	13.98	13.93				
20	256QAM	1	49	13.94	13.79	13.82	15.5	0		
20	256QAM	1	99	13.92	14.03	13.98				
20	256QAM	50	0	13.90	13.91	13.84				
20	256QAM	50	24	13.96	13.84	13.99	15.5	0		
20	256QAM	50	50	13.86	13.79	13.84				
20	256QAM	100	0	13.90	13.95	13.93				
Channel										
Frequency (MHz)										
15	QPSK	1	0	13.67	14.02	14.00				
15	QPSK	1	37	13.88	13.75	13.82	15.5	0		
15	QPSK	1	74	13.66	13.94	13.88				
15	QPSK	36	0	13.79	13.88	13.88				
15	QPSK	36	20	13.90	13.58	13.74	15.5	0		
15	QPSK	36	39	13.62	13.67	13.82				
15	QPSK	75	0	13.75	13.91	13.85				
15	16QAM	1	0	13.84	13.85	13.84				
15	16QAM	1	37	14.03	13.75	13.93	15.5	0		
15	16QAM	1	74	13.94	13.81	13.64				
15	16QAM	36	0	13.92	13.92	13.84				
15	16QAM	36	20	13.63	13.90	13.75	15.5	0		
15	16QAM	36	39	13.75	13.72	13.74				
15	16QAM	75	0	13.70	13.70	13.81				
15	64QAM	1	0	13.76	13.71	13.76				
15	64QAM	1	37	13.60	13.88	13.70	15.5	0		
15	64QAM	1	74	13.63	13.69	13.65				
15	64QAM	36	0	13.70	13.68	13.90				
15	64QAM	36	20	13.94	13.66	13.86	15.5	0		
15	64QAM	36	39	13.64	13.61	13.85				
15	64QAM	75	0	13.81	13.69	13.67				
15	256QAM	1	37	13.89	13.73	13.72	15.5	0		
15	256QAM	1	74	13.87	13.88	13.88				
15	256QAM	36	0	13.70	13.79	13.64				
15	256QAM	36	20	13.70	13.74	13.94	15.5	0		
15	256QAM	36	39	13.75	13.61	13.67				
15	256QAM	75	0	13.72	13.79	13.71				
Channel										
Frequency (MHz)										
10	QPSK	1	0	13.86	13.95	13.88	15.5	0		
10	QPSK	1	25	13.67	13.83	13.86				
10	QPSK	1	49	13.67	13.92	13.80				
10	QPSK	25	0	13.89	13.81	13.93	15.5	0		
10	QPSK	25	12	13.88	13.61	13.67				
10	QPSK	25	37	13.82	13.68	13.67				
10	QPSK	50	0	13.74	13.89	13.74				
10	16QAM	1	0	13.67	13.90	13.59	15.5	0		
10	16QAM	1	25	13.92	13.74	13.81				
10	16QAM	1	49	13.84	13.74	13.63				
10	16QAM	25	0	13.93	13.68	13.71	15.5	0		
10	16QAM	25	12	13.94	13.99	13.79				
10	16QAM	25	25	13.63	13.69	13.81				
10	16QAM	50	0	13.72	13.66	13.85				
10	64QAM	1	0	13.81	13.67	13.66	15.5	0		
10	64QAM	1	25	13.63	13.95	13.67				
10	64QAM	1	49	13.84	13.74	13.62				
10	64QAM	25	0	13.86	13.63	13.88	15.5	0		
10	64QAM	25	12	13.84	13.63	13.63				
10	64QAM	50	0	13.84	13.77	13.76				
10	256QAM	1	0	13.99	13.60	13.69	15.5	0		
10	256QAM	1	25	13.78	13.64	13.64				
10	256QAM	1	49	13.82	13.96	13.88				
10	256QAM	25	0	13.67	13.75	13.79	15.5	0		
10	256QAM	25	12	13.62	13.71	13.81				
10	256QAM	25	25	13.74	13.68	13.79				
10	256QAM	50	0	13.74	13.60	13.80				
10	256QAM	50	0	13.77	13.80	13.80				
Channel										
Frequency (MHz)										
5	QPSK	1	0	13.91	14.01	13.91	15.5	0		
5	QPSK	1	12	13.89	13.70	13.95				
5	QPSK	1	24	13.70	13.63	13.83				
5	QPSK	12	0	13.80	13.99	13.80				
5	QPSK	12	7	13.77	13.63	13.71	15.5	0		
5	QPSK	12	13	13.63	13.86	13.79				
5	QPSK	25	0	13.69	13.91	13.83				
5	16QAM	1	0	13.67	13.77	13.72	15.5	0		
5	16QAM	1	12	13.88	13.69	13.85				
5	16QAM	1	24	13.85	13.76	13.61				
5	16QAM	12	0	13.89	13.77	13.68	15.5	0		
5	16QAM	12	7	13.81	13.87	13.75				
5	16QAM	12	13	13.63	13.69	13.81				
5	16QAM	25	0	13.76	13.79	13.87				
5	16QAM	1	0	13.88	13.82	13.67	15.5	0		
5	64QAM	1	12	13.79	13.94	13.60				
5	64QAM	1	24	13.67	13.64	13.78				
5	64QAM	12	0	13.79	13.79	13.87				
5	64QAM	12	7	13.80	13.63	13.86	15.5	0		
5	64QAM	12	13	13.71	13.60	13.93				
5	256QAM	1	0	13.81	13.79	13.69				
5	256QAM	1	12	13.72	13.69	13.63	15.5	0		
5	256QAM	1	24	13.61	13.85	13.80				
5	256QAM	12	0	13.77	13.69	13.63				
5	256QAM	12	7	13.81	13.65	13.82				
5	256QAM	12	13	13.72	13.68	13.79	15.5	0		
5	256QAM	25	0	13.78	13.90	13.69				

LTE Band 41 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Low-Mid Ch / Pmax	Power Mid-High Ch / Pmax	Power High Ch / Pmax	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.41	14.54	14.55	14.25	14.25		
20	QPSK	1	49	14.30	14.26	14.28	14.49	14.53	15.5	0
20	QPSK	1	99	14.27	14.27	14.53	14.53	14.52		
20	QPSK	50	0	14.43	14.48	14.53	14.48	14.38		
20	QPSK	50	24	14.24	14.32	14.49	14.30	14.26	15.5	0
20	QPSK	50	50	14.45	14.41	14.44	14.50	14.25		
20	QPSK	100	0	14.42	14.35	14.48	14.30	14.40		
20	16QAM	1	0	14.26	14.40	14.53	14.30	14.41		
20	16QAM	1	49	14.52	14.37	14.29	14.46	14.26	15.5	0
20	16QAM	1	99	14.26	14.26	14.44	14.33	14.25		
20	16QAM	50	0	14.33	14.41	14.27	14.42	14.43		
20	16QAM	50	24	14.40	14.46	14.46	14.42	14.53	15.5	0
20	16QAM	50	50	14.36	14.30	14.45	14.53	14.44		
20	16QAM	100	0	14.32	14.40	14.37	14.35	14.29		
20	64QAM	1	0	14.32	14.43	14.42	14.45	14.30		
20	64QAM	1	49	14.50	14.26	14.46	14.48	14.48	15.5	0
20	64QAM	1	99	14.29	14.34	14.52	14.35	14.30		
20	64QAM	50	0	14.42	14.24	14.33	14.30	14.53		
20	64QAM	50	24	14.27	14.42	14.37	14.53	14.26	15.5	0
20	64QAM	50	50	14.44	14.24	14.43	14.37	14.48		
20	64QAM	100	0	14.34	14.30	14.48	14.38	14.48		
20	256QAM	1	0	14.43	14.38	14.29	14.51	14.46		
20	256QAM	1	49	14.37	14.33	14.29	14.48	14.28	15.5	0
20	256QAM	1	99	14.44	14.46	14.41	14.51	14.44		
20	256QAM	50	0	14.44	14.50	14.39	14.24	14.46		
20	256QAM	50	24	14.32	14.32	14.44	14.30	14.26	15.5	0
20	256QAM	50	50	14.30	14.53	14.46	14.43	14.38		
20	256QAM	100	0	14.29	14.29	14.45	14.30	14.27		
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.53	20.43	20.53	20.57	20.57	15.5	0
15	QPSK	1	49	20.53	20.43	20.53	20.57	20.57		
15	QPSK	1	99	20.53	20.43	20.53	20.57	20.57	15.5	0
15	QPSK	1	74	16.10	16.10	16.10	16.44	16.35		
15	QPSK	36	20	16.28	16.40	16.38	16.40	16.40		
15	QPSK	36	50	16.11	16.17	16.45	16.20	16.19	15.5	0
15	QPSK	36	36	16.35	16.22	16.28	16.34	16.11		
15	16QAM	1	0	14.32	14.17	14.41	14.33	14.33		
15	16QAM	1	49	14.30	14.30	14.45	14.26	14.26	15.5	0
15	16QAM	1	99	14.33	14.24	14.12	14.35	14.12		
15	16QAM	1	74	16.15	16.15	16.15	16.29	16.29		
15	16QAM	36	20	14.17	14.25	14.18	14.26	14.26		
15	16QAM	36	50	14.22	14.34	14.29	14.38	14.15	15.5	0
15	16QAM	36	36	14.17	14.21	14.27	14.27	14.15		
15	64QAM	1	0	14.19	14.23	14.30	14.17	14.11		
15	64QAM	1	49	14.20	14.23	14.29	14.29	14.29	15.5	0
15	64QAM	1	99	14.45	14.16	14.20	14.33	14.20		
15	64QAM	36	20	14.08	14.32	14.20	14.37	14.07	15.5	0
15	64QAM	36	50	14.32	14.18	14.34	14.29	14.24		
15	64QAM	36	36	14.21	14.33	14.20	14.30	14.20		
15	256QAM	1	0	14.26	14.23	14.20	14.30	14.26	15.5	0
15	256QAM	1	49	14.25	14.30	14.15	14.38	14.25		
15	256QAM	1	99	14.26	14.26	14.26	14.26	14.26	15.5	0
15	256QAM	36	20	14.34	14.41	14.26	14.14	14.31		
15	256QAM	36	50	14.12	14.17	14.30	14.26	14.12	15.5	0
15	256QAM	36	36	14.10	14.10	14.10	14.33	14.28		
15	256QAM	75	0	14.21	14.13	14.30	14.26	14.22		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.29	24.48	24.48	24.66	24.66	15.5	0
10	QPSK	1	49	24.29	24.48	24.48	24.66	24.66		
10	QPSK	1	99	24.29	24.48	24.48	24.66	24.66	15.5	0
10	QPSK	25	0	14.26	14.34	14.45	14.41	14.31		
10	QPSK	25	49	14.16	14.27	14.36	14.37	14.17	15.5	0
10	QPSK	25	25	14.29	14.35	14.27	14.45	14.18		
10	QPSK	50	0	14.31	14.24	14.30	14.13	14.30		
10	QPSK	50	24	14.18	14.37	14.49	14.30	14.17	15.5	0
10	16QAM	1	0	14.40	14.24	14.19	14.35	14.16	15.5	0
10	16QAM	1	49	14.28	14.28	14.28	14.28	14.28		
10	16QAM	1	99	14.28	14.28	14.22	14.25	14.24		
10	16QAM	25	0	14.29	14.28	14.35	14.34	14.25	15.5	0
10	16QAM	25	49	14.21	14.21	14.35	14.31	14.21		
10	16QAM	25	24	14.15	14.20	14.21	14.20	14.20		
10	64QAM	1	0	14.13	14.30	14.20	14.36	14.25	15.5	0
10	64QAM	1	49	14.02	14.25	14.21	14.28	14.21		
10	64QAM	1	99	14.40	14.20	14.25	14.38	14.25		
10	64QAM	25	0	14.36	14.04	14.20	14.16	14.38	15.5	0
10	64QAM	25	49	14.25	14.25	14.25	14.25	14.25		
10	64QAM	25	24	14.25	14.19	14.33	14.16	14.31		
10	256QAM	1	0	14.11	14.20	14.34	14.26	14.11	15.5	0
10	256QAM	1	49	14.23	14.17	14.33	14.24	14.18		
10	256QAM	1	99	14.32	14.24	14.14	14.46	14.39		
10	256QAM	25	0	14.30	14.24	14.14	14.46	14.39	15.5	0
10	256QAM	25	49	14.29	14.26	14.26	14.26	14.26		
10	256QAM	25	24	14.30	14.31	14.24	14.16	14.31		
10	256QAM	50	0	14.22	14.14	14.31	14.26	14.22	15.5	0
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.33	14.44	14.42	14.13	14.12	15.5	0
5	QPSK	1	12	14.21	14.20	14.23	14.42	14.44		
5	QPSK	1	24	14.21	14.25	14.21	14.31	14.31		
5	QPSK	12	0	14.27	14.28	14.44	14.13	14.13	15.5	0
5	QPSK	12	12	14.26	14.17	14.26	14.27	14.11		
5	QPSK	12	24	14.32	14.24	14.24	14.24	14.29		
5	QPSK	25	0	14.24	14.20	14.39	14.28	14.23	15.5	0
5	QPSK	25	12	14.24	14.38	14.38	14.28	14.28		
5	16QAM	1	0	14.43	14.18	14.10	14.27	14.19	15.5	0
5	16QAM	1	24	14.05	14.21	14.33	14.17	14.12		
5	16QAM	1	36	14.34	14.16	14.16	14.27	14.38		
5	16QAM	12	7	14.24	14.40	14.38	14.13	14.21	15.5	0
5	16QAM	12	13	14.25	14.13	14.33	14.39	14.34		
5	16QAM	12	25	14.15	14.25	14.21	14.14	14.21		
5	16QAM	1	0	14.19	14.30	14.35	14.26	14.26	15.5	0
5	64QAM	1	0	14.30	14.08	14.37	14.40	14.34		
5	64QAM	1	12	14.15	14.19	14.41	14.21	14.11	15.5	0
5	64QAM	12	0	14.30	14.08	14.19	14.25	14.41		
5	64QAM	12	12	14.29	14.29	14.29	14.29	14.29	15.5	0
5	64QAM	12	13	14.38	14.16	14.36	14.32	14.28		
5	64QAM	25	0	14.18	14.14	14.29	14.28	14.23	15.5	0
5	256QAM	1	0	14.20	14.18	14.18	14.28	14.23		
5	256QAM	1	12	14.37	14.25	14.16	14.37	14.38	15.5	0
5	256QAM	1	24	14.38	14.38	14.23	14.38	14.28		
5	256QAM	12	0	14.20	14.20	14.20	14.20	14.20	15.5	0
5	256QAM	12	7	14.20	14.14	14.20	14.32	14.27		
5	256QAM	12	13	14.24	14.30	14.27	14.29	14.29	15.5	0

LTE Band 7 Other PA Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. /	From Middle Ch. /	From High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				20780	21100	21420			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	22.93	23.07	23.05	24	0	
20	QPSK	1	49	22.94	22.98	23.03			
20	QPSK	1	99	22.87	22.90	22.91			
20	QPSK	50	0	21.86	22.05	22.01			
20	QPSK	50	24	21.82	21.97	21.91			
20	QPSK	50	50	21.83	22.02	21.88			
20	QPSK	100	0	21.98	22.00	21.99			
20	16QAM	1	0	22.92	23.01	23.08			
20	16QAM	1	49	21.84	21.97	21.90			
20	16QAM	1	99	22.91	22.98	23.05			
20	16QAM	50	0	20.94	21.00	21.01			
20	16QAM	50	24	21.01	20.86	20.93			
20	16QAM	50	50	20.97	20.98	20.92			
20	16QAM	100	0	20.95	20.99	20.98			
20	64QAM	1	0	21.05	21.05	20.99			
20	64QAM	1	49	21.00	20.99	20.98			
20	64QAM	1	99	20.89	20.86	20.98			
20	64QAM	50	0	20.03	19.97	19.98			
20	64QAM	50	24	19.95	19.95	19.85			
20	64QAM	50	50	19.87	19.89	19.85			
20	64QAM	100	0	19.85	19.84	19.94			
20	256QAM	1	0	17.84	17.87	17.84			
20	256QAM	1	49	17.80	17.75	17.76			
20	256QAM	1	99	17.91	17.91	17.75			
20	256QAM	50	0	17.83	17.75	17.72			
20	256QAM	50	24	17.85	17.81	17.83			
20	256QAM	50	50	17.71	17.75	17.87			
20	256QAM	100	0	17.74	17.82	17.84			
Channel				20925	21100	21375			
Frequency (MHz)				20975	20935	20925			
15	QPSK	1	0	22.72	22.88	23.05	24	0	
15	QPSK	1	37	22.72	22.84	22.94			
15	QPSK	1	74	22.75	22.83	22.83			
15	QPSK	36	0	21.65	22.07	22.02			
15	QPSK	36	20	21.78	21.91	21.85			
15	QPSK	36	39	21.63	21.95	21.89			
15	QPSK	75	0	21.91	21.87	21.96			
15	16QAM	1	0	22.92	23.13	23.18			
15	16QAM	1	37	21.64	21.79	21.79			
15	16QAM	1	74	21.95	21.89	21.85			
15	16QAM	36	0	20.83	20.84	20.95			
15	16QAM	36	20	20.81	20.78	20.85			
15	16QAM	36	39	20.91	20.84	20.85			
15	16QAM	75	0	20.75	20.98	20.83			
15	64QAM	1	0	20.84	20.99	20.88			
15	64QAM	1	37	20.83	20.83	20.78			
15	64QAM	1	74	20.71	20.57	20.51			
15	64QAM	36	0	19.98	19.83	19.83			
15	64QAM	36	20	19.98	19.75	19.74			
15	64QAM	36	39	19.78	19.60	19.74			
15	64QAM	75	0	19.85	19.74	19.89			
15	256QAM	1	0	17.73	17.77	17.67			
15	256QAM	1	37	17.78	17.83	17.73			
15	256QAM	1	74	17.85	17.78	17.71			
15	256QAM	36	0	17.80	17.57	17.72			
15	256QAM	36	20	17.79	17.73	17.78			
15	256QAM	36	39	17.68	17.67	17.69			
15	256QAM	75	0	17.53	17.81	17.69			
Channel				20900	21100	21400			
Frequency (MHz)				20900	20900	20900			
10	QPSK	1	0	22.80	22.90	22.95	24	0	
10	QPSK	1	25	22.87	22.87	22.97			
10	QPSK	1	49	22.87	22.78	22.68			
10	QPSK	25	0	21.80	22.03	21.80			
10	QPSK	25	12	21.81	21.77	21.93			
10	QPSK	25	25	21.80	21.88	21.89			
10	QPSK	50	0	21.84	21.78	21.82			
10	16QAM	1	0	22.01	21.75	21.89			
10	16QAM	1	25	21.75	21.87	21.70			
10	16QAM	1	49	22.00	21.86	21.78			
10	16QAM	25	0	20.95	20.91	20.95			
10	16QAM	25	12	20.95	20.81	20.88			
10	16QAM	25	25	20.92	20.96	20.86			
10	16QAM	50	0	20.75	20.87	20.87			
10	64QAM	1	0	20.98	20.84	20.89			
10	64QAM	1	25	21.02	20.76	20.79			
10	64QAM	1	49	20.87	20.74	20.91			
10	64QAM	25	0	20.03	19.79	19.98			
10	64QAM	25	12	19.87	19.85	19.83			
10	64QAM	25	25	19.87	19.86	19.86			
10	64QAM	50	0	19.72	19.77	19.74			
10	256QAM	1	0	17.25	17.22	17.83			
10	256QAM	1	25	17.70	17.84	17.76			
10	256QAM	1	49	17.80	17.80	17.75			
10	256QAM	25	0	17.73	17.62	17.65			
10	256QAM	25	12	17.77	17.66	17.81			
10	256QAM	25	25	17.76	17.80	17.70			
10	256QAM	50	0	17.68	17.75	17.76			
Channel				20975	21100	21425			
Frequency (MHz)				20975	20975	20975			
5	QPSK	1	0	22.85	22.98	22.95	24	0	
5	QPSK	1	12	22.85	22.69	22.94			
5	QPSK	1	24	22.95	22.78	22.85			
5	QPSK	12	0	21.84	21.90	21.89			
5	QPSK	12	7	21.63	21.91	21.86			
5	QPSK	12	13	21.72	22.01	21.82			
5	QPSK	25	0	21.78	21.87	21.85			
5	16QAM	1	0	21.93	21.82	21.70			
5	16QAM	1	12	21.63	21.98	21.89			
5	16QAM	1	24	21.80	21.79	21.87			
5	16QAM	12	0	20.73	20.80	20.82			
5	16QAM	12	7	20.80	20.70	20.84			
5	16QAM	12	13	20.93	20.79	20.80			
5	16QAM	25	0	20.81	20.94	20.88			
5	64QAM	1	0	20.96	20.91	20.71			
5	64QAM	1	12	20.85	20.75	20.80			
5	64QAM	1	24	20.95	20.81	20.86			
5	64QAM	12	0	19.80	19.95	19.77			
5	64QAM	12	7	19.73	19.81	19.78			
5	64QAM	12	13	19.65	19.74	19.84			
5	64QAM	25	0	19.77	19.86	19.91			
5	256QAM	1	0	17.84	17.75	17.69			
5	256QAM	1	12	17.69	17.79	17.62			
5	256QAM	1	24	17.91	17.70	17.71			
5	256QAM	12	0	17.81	17.66	17.71			
5	256QAM	12	7	17.65	17.67	17.70			
5	256QAM	12	13	17.67	17.51	17.67			
5	256QAM	25	0	17.62	17.68	17.77			

LTE Band 30 Other PA Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. /	From Middle Ch. /	From High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				22770	23100	23420			
Frequency (MHz)				2310					
10	QPSK	1	0	22.43			24	0	
10	QPSK	1	25	22.35					
10	QPSK	1	49	22.40					
10	QPSK	25	0	21.58			23	1	
10	QPSK	25	12	21.54					
10	QPSK	25	25	21.50					
10	QPSK	50	0	21.44			22	2	
10	16QAM	1	0	21.41					
10	16QAM	1	25	21.50					
10	16QAM	1	49	21.49			21	3	
10	16QAM	25	0	20.95					
10	16QAM	25	12	20.93					
10	16QAM	25	25	20.95			20	4	
10	64QAM	1	0	20.69					
10	64QAM	1	25	20.41					
10	64QAM	1	49	20.38			19	5	
10	64QAM	25	0	19.44					
10	64QAM	25	12	19.40					
10	64QAM	25	25	19.31			18	6	
10	64QAM	50	0	19.52					
10	256QAM	1	0	17.33					
10	256QAM	1	25	17.57			17	7	
10	256QAM	1	49	17.38					
10	256QAM	25	0	17.31					
10	256QAM	25	12	17.40			16	8	
10	256QAM	25	25	17.42					
10	256QAM	50	0	17.42					
Channel				22785	23100	23735			
Frequency (MHz)				22975	23100	23155			
5	QPSK	1	0	22.25	22.32	22.25	24	0	
5	QPSK	1	12	22.19	22.29	22.25			
5	QPSK	1	24	22.33	22.19	22.32			
5	QPSK	12	0	21.46	21.38	21.59	23	1	
5	QPSK	12	7	21.52	21.51	21.49			
5	QPSK	12	13	21.39	21.33	21.32			
5	QPSK	25	0	21.51	21.34	21.53	22	2	
5	16QAM	1	0	21.48	21.31	21.38			
5	16QAM	1	12	21.44	21.44	21.44			
5	16QAM	12	0	21.45	21.27	21.39	21	3	
5	16QAM	12	7	21.50	21.35	21.38			
5	16QAM	12	14	21.46	21.31	21.33			
5	16QAM	25	0	20.61	20.43	20.43	20	4	
5	64QAM	1	0	20.41	20.24	20.30			
5	64QAM	1	12	20.43	20.23	20.39			
5	64QAM	1	24	20.20	20.20	20.30	19	5	
5	64QAM	12	0	19.23	19.37	19.38			
5	64QAM	12	13	19.25	19.36	19.21			
5	64QAM	12	13	19.18	19.20	19.31	18	6	
5	64QAM	25	0	19.44	19.45	19.41			
5	64QAM	25	11	17.78	17.41	17.26			
5	256QAM	1	0	17.40	17.47	17.48	17	7	
5	256QAM	1	12	17.45	17.47	17.48			
5	256QAM	1	24	17.41	17.36	17.20			
5	256QAM	12	0	17.25	17.23	17.23	16	8	
5	256QAM	12	7	17.25	17.21	17.23			
5	256QAM	12	7	17.21	17.21	17.38			
5	256QAM	25	0	17.25	17.26	17.24	15	9	
5	256QAM	25	11	17.21	17.31	17.26			
5	256QAM	25	11	17.26	17.31	17.26			

LTE Band 38 Other PA Ant 2										
Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.26	22.41	22.34				
20	QPSK	1	49	22.29	22.25	22.16			24	0
20	QPSK	1	89	22.21	22.50	22.21				
20	QPSK	50	0	21.54	21.58	21.38				
20	QPSK	50	24	21.52	21.38	21.35			23	1
20	QPSK	50	50	21.45	21.35	21.37				
20	QPSK	100	0	21.25	21.32	21.31				
20	16QAM	1	0	21.25	21.33	21.38			23	1
20	16QAM	1	49	21.41	21.38	21.40				
20	16QAM	1	89	21.31	21.46	21.43				
20	16QAM	50	0	20.31	20.43	20.51				
20	16QAM	50	24	20.32	20.20	20.20			22	2
20	16QAM	50	50	20.39	20.51	20.47				
20	16QAM	100	0	20.38	20.44	20.49				
20	64QAM	1	0	20.30	20.44	20.49				
20	64QAM	1	49	20.39	20.33	20.23			22	2
20	64QAM	1	89	20.30	20.39	20.24				
20	64QAM	50	0	19.23	19.27	19.30				
20	64QAM	50	24	19.24	19.42	19.33			21	3
20	64QAM	50	50	19.30	19.30	19.29				
20	256QAM	1	0	17.17	17.31	17.18				
20	256QAM	1	49	17.38	17.45	17.28			19	5
20	256QAM	1	89	17.19	17.17	17.31				
20	256QAM	50	0	17.22	17.30	17.33				
20	256QAM	50	24	17.40	17.42	17.34			19	5
20	256QAM	50	50	17.39	17.42	17.25				
20	256QAM	100	0	17.25	17.31	17.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.17	22.24	22.15				
15	QPSK	1	37	22.09	22.14	22.17				
15	QPSK	1	89	22.09	22.14	22.17			24	0
15	QPSK	36	0	21.36	21.54	21.21				
15	QPSK	36	20	21.40	21.33	21.18			23	1
15	QPSK	36	50	21.32	21.30	21.25				
15	QPSK	75	0	21.13	21.22	21.13				
15	16QAM	1	0	21.11	21.23	21.23				
15	16QAM	1	37	21.14	21.20	21.36				
15	16QAM	1	74	21.33	21.34	21.39				
15	16QAM	36	0	20.10	20.38	20.43				
15	16QAM	36	20	20.23	20.18	20.08			23	8
15	16QAM	36	50	20.18	20.52	20.38				
15	16QAM	75	0	20.24	20.33	20.22				
15	64QAM	1	0	20.32	20.24	20.50				
15	64QAM	1	37	20.34	20.20	20.10			22	2
15	64QAM	1	74	20.31	20.27	20.19				
15	64QAM	36	0	19.23	19.08	19.15				
15	64QAM	36	20	19.24	19.22	19.30			21	3
15	64QAM	36	50	19.19	19.21	19.19				
15	64QAM	75	0	19.44	19.33	19.28				
15	256QAM	1	0	17.05	17.22	17.19			19	5
15	256QAM	1	37	17.31	17.29	17.37				
15	256QAM	1	74	17.16	17.18	17.22				
15	256QAM	36	0	17.25	17.30	17.17			19	5
15	256QAM	36	20	17.22	17.11	17.22				
15	256QAM	36	50	17.31	17.25	17.11				
15	256QAM	75	0	17.17	17.23	17.08				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.04	22.04	22.23				
10	QPSK	1	25	22.17	22.22	22.16				
10	QPSK	1	49	22.08	22.19	22.08				
10	QPSK	25	0	21.43	21.44	21.20				
10	QPSK	25	12	21.54	21.38	21.24				
10	QPSK	25	24	21.54	21.32	21.24				
10	QPSK	50	0	21.34	21.17	21.21				
10	16QAM	1	0	21.27	21.33	21.34				
10	16QAM	1	49	21.07	21.30	21.30			23	1
10	16QAM	1	89	21.16	21.29	21.28				
10	16QAM	25	0	20.11	20.30	20.39				
10	16QAM	25	12	20.32	20.10	20.02			22	2
10	16QAM	25	25	20.31	20.37	20.29				
10	16QAM	50	0	20.19	20.22	20.35				
10	16QAM	1	0	20.33	20.23	20.43				
10	16QAM	1	25	20.28	20.14	20.22			22	2
10	16QAM	1	49	20.22	20.28	20.19				
10	16QAM	25	0	19.24	19.14	19.10				
10	64QAM	25	12	19.03	19.38	19.26			21	3
10	64QAM	25	25	19.34	19.11	19.15				
10	64QAM	50	0	19.28	19.48	19.43				
10	256QAM	1	0	17.06	17.15	17.14				
10	256QAM	1	25	17.47	17.30	17.31			19	5
10	256QAM	1	49	17.05	17.01	17.18				
10	256QAM	25	0	17.00	17.28	17.15				
10	256QAM	25	12	17.20	17.20	17.24			19	5
10	256QAM	25	25	17.33	17.40	17.11				
10	256QAM	50	0	17.16	17.10	17.12				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.12	22.40	22.24				
5	QPSK	1	12	22.12	22.03	22.13			24	0
5	QPSK	1	24	22.14	22.14	22.06				
5	QPSK	12	0	21.46	21.48	21.17				
5	QPSK	12	7	21.34	21.20	21.20			23	1
5	QPSK	12	13	21.37	21.20	21.19				
5	QPSK	24	0	21.15	21.31	21.30				
5	16QAM	1	0	21.11	21.34	21.36				
5	16QAM	1	12	21.28	21.33	21.24			23	1
5	16QAM	1	24	21.00	21.35	21.22				
5	16QAM	12	0	20.19	20.37	20.46				
5	16QAM	12	7	20.14	20.16	20.09			22	2
5	16QAM	12	13	20.28	20.31	20.26				
5	16QAM	24	0	20.23	20.29	20.15				
5	16QAM	1	0	20.34	20.34	20.38			22	3
5	64QAM	1	12	20.21	20.28	20.25				
5	64QAM	1	24	20.31	20.30	20.21				
5	64QAM	12	0	19.15	19.08	19.20				
5	64QAM	12	7	19.03	19.36	19.12			21	3
5	64QAM	12	13	19.17	19.20	19.16				
5	64QAM	24	0	19.26	19.40	19.26				
5	256QAM	1	0	17.32	17.17	17.07				
5	256QAM	1	12	17.40	17.38	17.44				
5	256QAM	1	24	17.14	17.14	17.16				
5	256QAM	12	0	17.02	17.23	17.19			19	5
5	256QAM	12	7	17.32	17.02	17.25				
5	256QAM	12	13	17.32	17.38	17.14				
5	256QAM	24	0	17.21	17.13	17.05				

LTE Band 41 Other PA Ant 2										
RBW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch. / Freq	Power Low Mod Ch. / Freq	Power High Mod Ch. / Freq	Power High Mod Ch. / Freq	Turn-on time (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.89	22.98	23.01	22.89	22.53	24	0
20	QPSK	1	49	22.74	22.90	23.00	22.69	22.54		
20	QPSK	1	89	22.60	22.95	22.99	22.53	22.53		
20	QPSK	50	0	21.88	21.91	22.00	21.63	21.83		
20	QPSK	50	24	21.89	21.71	21.81	21.70	21.89		
20	QPSK	50	50	21.84	21.84	21.84	21.70	21.83	23	1
20	QPSK	100	0	21.99	21.90	22.01	21.81	21.96		
20	16QAM	1	0	21.89	21.72	21.66	21.82	21.79		
20	16QAM	1	49	21.85	21.65	21.66	21.82	21.83		
20	16QAM	1	89	21.68	21.98	21.76	21.76	21.50		
20	16QAM	50	0	20.91	20.95	20.98	20.60	20.74		
20	16QAM	50	24	20.86	20.81	20.90	20.70	20.81		
20	16QAM	50	50	20.96	20.92	20.84	20.62	20.69		
20	16QAM	100	0	20.89	20.92	20.95	20.73	20.75		
20	64QAM	1	0	20.90	20.75	20.73	20.54	20.70		
20	64QAM	1	49	20.68	20.83	20.93	20.75	20.56		
20	64QAM	1	89	20.75	20.98	20.75	20.57	20.51		
20	64QAM	50	0	19.83	19.90	19.93	19.71	19.70		
20	64QAM	50	24	19.75	19.95	19.86	19.68	19.61		
20	64QAM	50	50	19.88	19.73	19.74	19.57	19.70		
20	64QAM	100	0	19.85	19.75	19.91	19.76	19.78	21	3
20	256QAM	1	0	17.88	17.70	17.79	17.68	17.86		
20	256QAM	1	49	17.86	17.69	17.67	17.57	17.75		
20	256QAM	1	89	17.79	17.68	17.62	17.68	17.76		
20	256QAM	50	0	17.62	17.62	17.64	17.51	17.47		
20	256QAM	50	24	17.85	17.68	17.78	17.68	17.70		
20	256QAM	50	50	17.75	17.68	17.64	17.57	17.47		
20	256QAM	100	0	17.75	17.68	17.71	17.57	17.51		
Channel										
Frequency (MHz)										
20	QPSK	1	0	39.75	39.93	39.93	39.66	39.55		
20	QPSK	1	49	39.61	39.74	39.74	39.57	39.57		
20	QPSK	1	89	39.47	39.76	39.79	39.51	39.51		
20	QPSK	50	0	38.61	38.64	38.73	38.46	38.61	24	0
20	QPSK	50	24	38.60	38.64	38.64	38.46	38.61		
20	QPSK	50	50	38.61	38.64	38.64	38.46	38.61		
20	QPSK	100	0	38.76	38.67	38.78	38.51	38.66		
20	16QAM	1	0	38.76	38.67	38.68	38.51	38.66		
20	16QAM	1	49	38.71	38.62	38.63	38.46	38.61		
20	16QAM	1	89	38.66	38.96	38.74	38.57	38.46		
20	16QAM	50	0	37.81	37.81	37.81	37.64	37.81		
20	16QAM	50	24	37.81	37.81	37.81	37.64	37.81		
20	16QAM	50	50	37.81	37.81	37.81	37.64	37.81		
20	16QAM	100	0	37.96	37.87	37.98	37.71	37.86		
20	64QAM	1	0	37.96	37.87	37.88	37.71	37.86		
20	64QAM	1	49	37.91	37.82	37.83	37.66	37.81		
20	64QAM	1	89	37.86	38.16	37.95	37.66	37.56		
20	64QAM	50	0	36.96	36.96	36.96	36.79	36.96		
20	64QAM	50	24	36.96	36.96	36.96	36.79	36.96		
20	64QAM	50	50	36.96	36.96	36.96	36.79	36.96		
20	64QAM	100	0	37.11	37.02	37.13	36.86	37.01		
20	256QAM	1	0	34.96	34.78	34.87	34.60	34.75		
20	256QAM	1	49	34.92	34.75	34.75	34.60	34.75		
20	256QAM	1	89	34.87	34.76	34.76	34.60	34.75		
20	256QAM	50	0	34.11	34.11	34.11	33.94	34.11		
20	256QAM	50	24	34.11	34.11	34.11	33.94	34.11		
20	256QAM	50	50	34.11	34.11	34.11	33.94	34.11		
20	256QAM	100	0	34.26	34.17	34.28	34.01	34.16		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.83	22.91	22.89	22.75	22.71	24	0
20	QPSK	1	49	22.64	22.89	22.89	22.56	22.59		
20	QPSK	1	89	22.50	22.76	22.80	22.44	22.44		
20	QPSK	12	0	21.79	21.78	21.93	21.57	21.76		
20	QPSK	12	49	21.74	21.74	21.74	21.57	21.74		
20	QPSK	12	89	21.74	21.74	21.72	21.54	21.76		
20	QPSK	25	0	21.89	21.80	21.91	21.71	21.88		
20	QPSK	25	49	21.84	21.75	21.86	21.66	21.87		
20	QPSK	25	89	21.78	21.63	21.73	21.50	21.70		
20	16QAM	1	0	21.80	21.63	21.63	21.45	21.45		
20	16QAM	1	49	21.75	21.58	21.58	21.45	21.45		
20	16QAM	1	89	21.60	21.90	21.67	21.45	21.45		
20	16QAM	12	0	20.80	20.66	20.67	20.51	20.45		
20	16QAM	12	49	20.88	20.87	20.87	20.75	20.77		
20	16QAM	12	89	20.82	20.97	20.97	20.78	20.76		
20	16QAM	25	0	20.82	20.69	20.63	20.74	20.61		
20	16QAM	25	49	20.80	20.73	20.80	20.63	20.49		
20	16QAM	25	89	20.72	20.97	20.97	20.78	20.76		
20	16QAM	50	0	19.75	19.60	19.67	19.56	19.64		
20	16QAM	50	49	19.75	19.60	19.67	19.51	19.51		
20	64QAM	1	0	19.76	19.50	19.50	19.60	19.55		
20	64QAM	25	0	19.70	19.64	19.76	19.67	19.72		
20	64QAM	25	49	19.62	19.72	19.72	19.67	19.76		
20	64QAM	25	89	19.62	19.57	19.58	19.76	19.58		
20	256QAM	1	0	17.62	17.52	17.58	17.66	17.58		
20	256QAM	1	49	17.64	17.59	17.49	17.55	17.66		
20	256QAM	1	89	17.52	17.62	17.62	17.55	17.67		
20	256QAM	12	0	17.67	17.62	17.70	17.64	17.55		
20	256QAM	12	49	17.64	17.57	17.73	17.64	17.64		
20	256QAM	12	89	17.67	17.62	17.69	17.58	17.66		

LTE Band 42 Part 96 Ant 2										
BW [MHz]	Modulatio n	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)										
20	QPSK	1	0	22.66	22.68	22.80	24	0		
20	QPSK	1	49	22.30	22.60	22.46				
20	QPSK	1	99	22.47	22.55	22.51				
20	QPSK	50	0	22.44	22.64	22.44				
20	QPSK	50	24	22.45	22.65	22.45				
20	QPSK	50	50	22.45	22.57	22.51				
20	QPSK	100	0	22.51	22.63	22.58				
20	16QAM	1	49	22.56	22.62	22.43				
20	16QAM	1	99	22.62	22.50	22.53				
20	16QAM	50	0	21.50	21.43	21.55				
20	16QAM	50	24	21.53	21.54	21.82				
20	16QAM	50	50	21.43	21.80	21.52				
20	16QAM	100	0	21.53	21.54	21.56				
20	64QAM	1	0	21.53	21.40	21.43				
20	64QAM	1	49	21.52	21.59	21.60				
20	64QAM	1	99	21.45	21.49	21.55				
20	64QAM	50	0	20.43	20.45	20.50				
20	64QAM	50	24	20.47	20.55	20.48				
20	64QAM	50	50	20.63	20.56	20.46				
20	64QAM	100	0	20.54	20.53	20.59				
20	256QAM	1	49	18.66	18.74	18.67				
20	256QAM	1	99	18.67	18.58	18.71				
20	256QAM	50	0	18.77	18.65	18.76				
20	256QAM	50	24	18.71	18.77	18.63				
20	256QAM	50	50	18.74	18.67	18.59				
20	256QAM	100	0	18.64	18.67	18.60				
Channel Frequency (MHz)										
15	QPSK	1	0	22.50	22.60	22.52				
15	QPSK	1	37	22.44	22.53	22.31				
15	QPSK	1	74	22.43	22.51	22.43				
15	QPSK	36	0	22.38	22.57	22.38				
15	QPSK	36	20	22.55	22.40	22.52				
15	QPSK	36	50	22.49	22.46	22.44				
15	QPSK	75	0	22.41	22.57	22.52				
15	16QAM	1	0	22.30	22.24	22.33				
15	16QAM	1	37	22.44	22.35	22.47				
15	16QAM	1	74	22.53	22.37	22.48				
15	16QAM	36	0	21.48	21.45	21.57				
15	16QAM	36	20	21.41	21.41	21.49				
15	16QAM	36	50	21.29	21.52	21.42				
15	16QAM	75	0	21.48	21.40	21.45				
15	64QAM	1	0	21.41	21.31	21.31				
15	64QAM	1	37	21.42	21.47	21.46				
15	64QAM	1	74	21.35	21.42	21.56				
15	64QAM	36	0	20.33	20.36	20.37				
15	64QAM	36	20	20.38	20.40	20.43				
15	64QAM	36	50	20.36	20.42	20.37				
15	64QAM	75	0	20.47	20.43	20.45				
15	256QAM	1	37	18.60	18.61	18.58				
15	256QAM	1	74	18.60	18.49	18.54				
15	256QAM	50	0	18.67	18.58	18.67				
15	256QAM	50	20	18.62	18.71	18.55				
15	256QAM	36	39	18.61	18.61	18.46				
15	256QAM	75	0	18.57	18.57	18.55				
Channel Frequency (MHz)										
10	QPSK	1	0	22.50	22.58	22.51				
10	QPSK	1	25	22.36	22.60	22.36				
10	QPSK	1	49	22.30	22.42	22.42				
10	QPSK	25	0	22.36	22.55	22.32				
10	QPSK	25	12	22.55	22.36	22.48				
10	QPSK	25	25	22.47	22.47	22.48				
10	QPSK	50	0	22.42	22.52	22.47				
10	16QAM	1	0	22.45	22.29	22.32				
10	16QAM	1	49	22.46	22.40	22.38				
10	16QAM	1	99	22.51	22.38	22.40				
10	16QAM	25	0	21.45	21.28	21.59				
10	16QAM	25	12	21.44	21.48	21.49				
10	16QAM	25	25	21.38	21.52	21.40				
10	16QAM	50	0	21.42	21.41	21.47				
10	16QAM	50	12	21.34	21.42	21.56				
10	16QAM	1	25	21.41	21.48	21.53				
10	64QAM	1	0	20.31	20.31	20.39				
10	64QAM	25	12	20.41	20.45	20.40				
10	64QAM	25	25	20.37	20.42	20.36				
10	64QAM	50	0	20.48	20.41	20.46				
10	256QAM	1	0	18.55	18.66	18.63				
10	256QAM	1	49	18.59	18.46	18.66				
10	256QAM	25	0	18.68	18.56	18.67				
10	256QAM	25	12	18.60	18.60	18.52				
10	256QAM	25	25	18.62	18.57	18.46				
10	256QAM	50	0	18.57	18.72	18.55				
Channel Frequency (MHz)										
5	QPSK	1	0	22.50	22.58	22.51				
5	QPSK	1	12	22.46	22.52	22.35				
5	QPSK	1	24	22.29	22.41	22.39				
5	QPSK	12	0	22.38	22.60	22.31				
5	QPSK	12	7	22.56	22.37	22.47				
5	QPSK	12	13	22.41	22.50	22.41				
5	QPSK	25	0	22.44	22.49	22.49				
5	16QAM	1	0	22.48	22.29	22.36				
5	16QAM	1	12	22.53	22.28	22.37				
5	16QAM	1	24	22.54	22.40	22.41				
5	16QAM	12	0	21.42	21.36	21.59				
5	16QAM	12	7	21.42	21.48	21.57				
5	16QAM	12	13	21.32	21.51	21.47				
5	16QAM	25	0	21.40	21.41	21.50				
5	16QAM	25	12	21.45	21.54	21.33				
5	64QAM	1	12	21.46	21.49	21.48				
5	64QAM	1	24	21.28	21.41	21.54				
5	64QAM	12	0	20.36	20.30	20.40				
5	64QAM	12	7	20.37	20.44	20.40				
5	64QAM	12	13	20.31	20.42	20.41				
5	64QAM	25	0	20.45	20.45	20.50				
5	256QAM	1	0	18.55	18.61	18.56				
5	256QAM	1	12	18.52	18.65	18.54				
5	256QAM	1	24	18.59	18.53	18.59				
5	256QAM	12	0	18.67	18.58	18.62				
5	256QAM	12	7	18.64	18.64	18.48				
5	256QAM	12	13	18.62	18.61	18.51				
5	256QAM	25	0	18.53	18.71	18.45				

LTE Band 42 Part 96 Ant 2										
BW [MHz]	Modulatio n	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)										
20	QPSK	1	0	22.57	22.60	22.63	24	0		
20	QPSK	1	49	22.58	22.60	22.46				
20	QPSK	1	99	22.43	22.64	22.46				
20	QPSK	50	0	22.37	22.63	22.29				
20	QPSK	50	24	22.30	22.62	22.46				
20	QPSK	50	50	22.38	22.57	22.47				
20	QPSK	100	0	22.46	22.47	22.46				
20	16QAM	1	49	22.52	22.25	22.59				
20	16QAM	1	99	22.61	22.40	22.40				
20	16QAM	50	0	21.53	21.29	21.54				
20	16QAM	50	24	21.55	21.36	21.41				

Hotspot on Power

<WCDMA>

Band		WCDMA II Rev 0			WCDMA IV Rev 0		
TX Channel		9262	9400	9538	Tune-up Limit		
RX Channel		9692	9800	9938	Tune-up Limit		
Frequency (MHz)		1852.4	1880	1907.6	Tune-up Limit (dBm)		
3GPP Rel 99	AMR 12.2Kbps	23.68	23.70	23.53	25.00	21.63	21.77
3GPP Rel 99	AMR 12.2Kbps	23.71	23.73	23.55	25.00	21.72	21.86
3GPP Rel 6	HSDPA Subclass-1	22.70	22.84	22.57	24.00	20.63	20.71
3GPP Rel 6	HSDPA Subclass-2	22.69	22.66	22.43	24.00	20.57	20.60
3GPP Rel 6	HSDPA Subclass-3	22.13	22.14	22.16	23.50	20.23	20.25
3GPP Rel 6	HSDPA Subclass-4	22.16	22.18	22.00	23.50	20.16	20.31
3GPP Rel 6	HSDPA Subclass-1	22.82	22.68	22.45	24.00	20.72	20.93
3GPP Rel 6	HSDPA Subclass-2	20.63	20.73	20.46	22.00	18.78	18.80
3GPP Rel 6	HSDPA Subclass-3	21.74	21.62	21.44	23.00	19.83	19.75
3GPP Rel 6	HSDPA Subclass-4	20.61	20.69	20.62	22.00	18.65	18.61
3GPP Rel 6	HSDPA Subclass-5	22.77	22.74	22.44	24.00	20.63	20.71

<WCDMA>

Band		WCDMA 8 Airt 1			Tune-up	WCDMA 4 Airt 1			Tune-up	WCDMA 5 Airt 1			Tune-up
TX Channel	9262	9600	9638	9638	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Rx Channel	9662	9600	9638	9638	(dBm)	1537	1638	1738	(dBm)	4307	4407	4468	(dBm)
Frequency (MHz)	1824	1824	1807.6	1807.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	4264	4304	4364	(dBm)
3GPP Rel 99	AMR 12.2Kbps	23.17	23.21	23.11	24.00	23.09	23.15	23.01	24.00	23.16	23.91	23.95	25.00
3GPP Rel 99	RMTC 12.2Kbps	23.21	23.25	23.16	24.00	23.14	23.20	23.06	24.00	23.81	23.96	23.88	25.00
3GPP Rel 6	HSUPA Subtest-1	22.19	22.29	22.27	23.00	22.13	22.15	22.21	23.00	22.87	23.04	22.76	24.00
3GPP Rel 6	HSUPA Subtest-2	22.25	22.35	22.34	23.00	22.24	22.30	22.11	23.00	22.90	22.85	22.92	24.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.83	21.85	22.50	21.81	21.84	21.73	22.50	22.28	22.44	22.38	23.50
3GPP Rel 6	HSUPA Subtest-4	21.68	21.77	21.77	22.50	21.70	21.86	21.69	22.50	22.40	22.41	22.37	23.50
3GPP Rel 6	HSUPA Subtest-1	22.20	22.20	22.21	23.00	22.11	22.17	22.11	23.00	22.89	22.99	22.80	24.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.23	20.15	21.00	20.32	20.18	20.10	21.00	20.84	21.07	20.88	22.00
3GPP Rel 6	HSUPA Subtest-3	21.30	21.21	21.11	22.00	21.27	21.37	21.14	22.00	21.30	21.88	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	20.19	20.14	20.27	21.00	20.11	20.19	20.14	21.00	20.84	21.06	20.86	22.00
3GPP Rel 6	HSUPA Subtest-5	22.11	22.35	22.13	23.00	22.15	22.27	22.25	23.00	22.81	22.96	22.89	24.00

LTE Band 2 Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]					
Channel Frequency [MHz]	Channel	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]					
20 QPSK	1	0	22.63	22.69	22.71								
20 QPSK	48	0	22.63	22.69	22.71								
20 QPSK	1	99	22.60	22.74	22.71								
20 QPSK	50	0	21.89	21.98	21.84								
20 QPSK	24	0	21.82	21.83	21.71								
20 QPSK	50	50	21.88	21.76	21.61								
20 QPSK	100	0	21.71	21.81	21.78								
20 QPSK	1	99	21.74	21.81	21.68								
20 QPSK	50	24	20.78	20.78	20.70								
20 QPSK	100	0	20.54	20.56	20.77								
20 QPSK	1	99	20.74	20.66	20.76								
20 QPSK	50	0	19.85	19.76	19.84								
20 QPSK	100	0	19.71	19.83	19.87								
20 QPSK	1	99	19.74	19.76	19.84								
20 QPSK	50	0	18.95	18.76	18.87								
20 QPSK	100	0	18.71	18.83	18.87								
20 QPSK	1	99	18.74	18.76	18.84								
20 QPSK	50	24	17.78	17.78	17.84								
20 QPSK	100	0	17.53	17.71	17.85								
20 QPSK	1	99	17.74	17.71	17.83								
20 QPSK	50	0	17.64	17.77	17.76								
20 QPSK	100	0	17.45	17.88	17.81								
20 QPSK	1	99	17.74	17.77	17.87								
20 QPSK	50	24	17.65	17.77	17.85								
20 QPSK	100	0	17.45	17.77	17.87								
Channel	Frequency [MHz]	Channel	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]				
15 QPSK	1	0	22.63	22.77	22.56								
15 QPSK	1	97	22.66	22.77	22.67								
15 QPSK	74	0	22.63	22.72	22.49								
15 QPSK	36	0	21.67	21.97	21.78								
15 QPSK	36	20	21.71	21.72	21.52								
15 QPSK	39	0	21.68	21.77	21.59								
15 QPSK	75	0	21.53	21.81	21.67								
15 QPSK	1	99	21.54	21.72	21.77								
15 QPSK	1	37	21.56	21.71	21.68								
15 QPSK	1	74	21.59	21.53	21.47								
15 QPSK	36	0	20.65	20.76	20.68								
15 QPSK	36	20	20.67	20.56	20.71								
15 QPSK	36	39	20.64	20.46	20.80								
15 QPSK	75	0	20.14	20.47	20.57								
15 QPSK	1	0	20.87	20.77	20.74								
15 QPSK	1	37	20.53	20.61	20.68								
15 QPSK	1	74	20.56	20.81	20.57								
15 QPSK	36	0	19.65	19.61	19.81								
15 QPSK	36	20	19.68	19.59	19.85								
15 QPSK	36	39	19.53	19.54	19.35								
15 QPSK	75	0	19.52	19.95	19.89								
15 QPSK	1	99	19.55	19.51	19.74								
15 QPSK	1	37	17.52	17.57	17.71								
15 QPSK	1	74	17.57	17.63	17.77								
15 QPSK	36	0	17.45	17.48	17.23								
15 QPSK	36	20	17.44	17.72	17.70								
15 QPSK	36	39	17.77	17.67	17.57								
15 QPSK	75	0	17.69	17.73	17.45								
Channel	Frequency [MHz]	Channel	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]				
10 QPSK	1	0	22.67	22.81	22.64								
10 QPSK	1	25	22.47	22.73	22.70								
10 QPSK	48	0	22.63	22.72	22.69								
10 QPSK	25	0	21.81	21.89	21.77								
10 QPSK	25	12	21.52	21.75	21.69								
10 QPSK	50	0	21.49	21.85	21.88								
10 QPSK	1	0	21.62	21.81	21.87								
10 QPSK	1	49	21.69	21.69	21.85								
10 QPSK	1	25	21.62	21.81	21.72								
10 QPSK	25	12	20.69	20.65	20.51								
10 QPSK	25	25	20.45	20.45	20.85								
10 QPSK	50	0	20.36	20.76	20.80								
10 QPSK	1	0	20.72	20.76	20.53								
10 QPSK	1	25	20.49	20.84	20.56								
10 QPSK	1	49	20.62	20.73	20.63								
10 QPSK	25	0	19.73	19.85	19.73								
10 QPSK	25	12	19.71	19.83	19.71								
10 QPSK	25	25	19.75	19.84	19.52								
10 QPSK	50	0	19.59	19.84	19.85								
10 QPSK	1	0	17.64	17.73	17.67								
10 QPSK	1	25	17.64	17.73	17.62								
10 QPSK	25	12	17.64	17.73	17.62								
10 QPSK	25	25	17.69	17.68	17.62								
10 QPSK	50	0	17.69	17.73	17.62								
Channel	Frequency [MHz]	Channel	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]				
5 QPSK	1	0	22.63	22.73	22.73								
5 QPSK	1	12	22.63	22.83	22.67								
5 QPSK	1	24	22.61	22.67	22.55								
5 QPSK	12	0	21.89	21.90	21.78								
5 QPSK	12	7	21.68	21.76	21.73								
5 QPSK	12	13	21.77	21.66	21.53								
5 QPSK	1	99	21.56	21.75	21.67								
5 QPSK	1	0	21.72	21.83	21.81								
5 QPSK	12	0	21.67	21.82	21.82								
5 QPSK	1	24	21.69	21.84	21.88								
5 QPSK	12	0	20.79	20.77	20.73								
5 QPSK	12	13	20.75	20.73	20.68								
5 QPSK	12	13	20.46	20.45	20.88								
5 QPSK	25	0	20.78	20.65	20.77								
5 QPSK	25	0	20.65	20.65	20.85								
5 QPSK	1	12	20.72	20.80	20.54								
5 QPSK	1	49	20.65	20.75	20.75								
5 QPSK	12	0	19.75	19.82	19.83								
5 QPSK	12	7	19.57	19.71	19.69								
5 QPSK	12	13	19.77	19.85	19.76								
5 QPSK	25	0	19.67	19.66	19.69								
5 QPSK	1	0	17.73	17.61	17.81								
5 QPSK	12	0	17.60	17.77	17.65								
5 QPSK	1	24	17.67	17.77	17.85								
5 QPSK	12	0	17.43	17.74	17.73								
5 QPSK	12	13	17.60	17.74	17.65								
5 QPSK	12	13	17.61	17.63	17.58								
5 QPSK	25	0	17.67	17.68	17.61								
Channel	Frequency [MHz]	Channel	RB Size	RB Offset	Low Ch / 180K	Mid Ch / 180K	High Ch / 180K	Turn-up limit [dBm]	MPR [dB]				
3 QPSK	1	0	22.63	22.73	22.73								
3 QPSK	1	8	22.52	22.72	22.52								
3 QPSK	1	14	22.59	22.58	22.62								
3 QPSK	8	0	21.60	21.86	21.71								
3 QPSK	8	7	21.63	21.59	21.55								
3 QPSK	15	0	21.61	21.82	21.77								
3 QPSK	1	0	21.68	21.89	21.88								
3 QPSK	1	14	21.56	21.80	21.73								

LTE Band 12 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / 23000	Power Middle Ch / 23050	Power High Ch / 23100	Turn-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)									
704	707.5	711							
10	QPSK	1	0	23.92	24.03	23.96			
10	QPSK	1	26	23.80	23.91	23.98			
10	QPSK	1	49	23.81	23.87	23.88			0
10	QPSK	25	0	23.02	23.04	22.83			
10	QPSK	25	12	22.95	22.96	22.87			
10	QPSK	25	25	22.98	22.99	22.88			24
10	QPSK	50	0	23.00	23.01	22.85			
10	16QAM	1	0	23.04	23.04	22.89			
10	16QAM	1	25	23.02	22.93	22.89			24
10	16QAM	1	49	23.04	23.00	22.88			
10	16QAM	25	0	22.96	22.97	22.73			
10	16QAM	25	12	22.16	22.12	22.24			23
10	16QAM	25	25	22.21	22.15	22.23			
10	16QAM	50	0	22.16	22.25	22.12			
10	64QAM	1	0	22.20	22.20	22.22			
10	64QAM	1	25	22.22	22.34	22.14			
10	64QAM	1	49	22.28	22.34	22.20			23
10	64QAM	25	0	21.01	20.90	21.04			
10	64QAM	25	12	20.93	20.94	20.83			
10	64QAM	25	25	21.02	20.97	21.09			22
10	64QAM	50	0	20.98	20.89	21.02			
10	256QAM	1	0	19.22	19.12	19.18			
10	256QAM	1	25	19.16	19.09	19.01			20
10	256QAM	1	49	19.17	19.05	19.05			
10	256QAM	25	0	19.12	19.09	19.05			
10	256QAM	25	12	19.21	19.04	19.01			20
10	256QAM	25	25	19.05	19.20	19.20			
10	256QAM	50	0	19.05	19.20	19.20			
Channel Frequency (MHz)									
704.5	707.5	711.5							
5	QPSK	1	0	23.70	23.97	23.89			
5	QPSK	1	12	23.78	23.89	23.95			25
5	QPSK	1	24	23.72	23.78	23.70			
5	QPSK	12	0	22.82	22.94	22.77			
5	QPSK	12	7	22.87	22.88	22.68			24
5	QPSK	12	13	22.98	22.79	22.72			
5	QPSK	25	0	22.97	22.98	22.93			
5	16QAM	1	0	22.84	22.84	22.69			
5	16QAM	1	12	23.03	22.71	22.93			24
5	16QAM	1	24	22.95	22.91	22.85			
5	16QAM	12	0	22.12	22.14	22.10			
5	16QAM	12	7	22.00	21.97	22.03			23
5	16QAM	12	13	22.32	22.05	22.34			
5	16QAM	25	0	22.00	22.21	22.10			
5	64QAM	1	0	22.04	22.19	22.14			
5	64QAM	1	12	22.08	22.25	21.95			23
5	64QAM	1	24	22.10	22.35	22.02			
5	64QAM	12	0	20.95	20.83	20.89			
5	64QAM	12	7	20.98	20.81	20.92			22
5	64QAM	12	13	20.94	20.85	20.95			
5	64QAM	25	0	20.94	20.72	20.81			
5	256QAM	1	0	18.92	18.98	18.92			
5	256QAM	1	12	18.98	18.94	18.94			20
5	256QAM	1	24	19.15	18.90	18.87			
5	256QAM	12	0	19.14	19.02	18.93			
5	256QAM	12	7	19.09	18.88	18.90			20
5	256QAM	12	13	19.15	18.88	18.83			
5	256QAM	25	0	18.95	18.98	18.94			
Channel Frequency (MHz)									
23002	23050	23100							
3	QPSK	1	0	23.76	23.86	23.83			
3	QPSK	1	8	23.73	23.71	23.85			25
3	QPSK	1	14	23.75	23.72	23.88			
3	QPSK	8	0	22.81	23.00	22.64			
3	QPSK	8	4	22.69	23.02	22.77			24
3	QPSK	8	8	22.91	22.86	22.66			
3	QPSK	15	0	22.84	22.86	22.88			
3	16QAM	1	0	22.99	22.75	22.78			24
3	16QAM	1	8	22.83	22.87	22.82			
3	16QAM	1	14	22.94	22.97	22.76			
3	16QAM	8	0	22.26	22.09	21.98			
3	16QAM	8	4	22.14	22.10	22.10			23
3	16QAM	8	7	22.19	22.13	22.35			
3	16QAM	15	0	22.00	22.19	22.09			
3	64QAM	1	0	22.07	22.00	22.23			
3	64QAM	1	8	22.13	22.14	22.12			23
3	64QAM	1	14	22.16	22.22	22.13			
3	64QAM	8	0	20.81	20.81	20.89			
3	64QAM	8	4	20.71	20.94	20.85			22
3	64QAM	8	7	20.83	20.90	20.99			
3	64QAM	15	0	20.85	20.87	20.84			
3	256QAM	1	0	18.90	18.96	19.08			
3	256QAM	1	8	19.12	18.98	18.90			20
3	256QAM	1	14	19.03	18.93	18.93			
3	256QAM	8	0	19.12	18.92	18.92			
3	256QAM	8	4	19.12	18.90	18.94			20
3	256QAM	8	7	19.13	18.88	18.92			
3	256QAM	15	0	18.98	19.02	19.10			
Channel Frequency (MHz)									
23017	23050	23173							
14	23.91	23.91							
1.4	QPSK	1	3	23.61	23.86	23.81			
1.4	QPSK	1	5	23.61	23.74	23.98			25
1.4	QPSK	3	0	23.73	24.02	23.71			
1.4	QPSK	3	1	23.85	23.52	23.65			
1.4	QPSK	3	3	23.61	23.81	23.99			24
1.4	QPSK	6	0	22.90	22.85	22.67			
1.4	16QAM	1	0	22.78	22.81	22.65			
1.4	16QAM	1	3	22.73	22.77	22.63			
1.4	16QAM	1	5	22.74	22.81	23.09			24
1.4	16QAM	3	0	22.99	23.05	22.83			
1.4	16QAM	3	3	22.95	22.85	22.57			
1.4	16QAM	3	3	22.87	22.82	22.89			
1.4	16QAM	6	0	22.03	22.07	21.70			23
1.4	64QAM	1	0	21.89	21.66	22.02			
1.4	64QAM	1	3	21.90	21.75	21.78			
1.4	64QAM	1	5	21.83	22.03	21.81			23
1.4	64QAM	3	0	22.05	22.07	21.83			
1.4	64QAM	3	1	21.82	21.76	22.14			
1.4	64QAM	3	3	21.98	21.66	21.98			
1.4	64QAM	6	0	20.81	20.85	20.69			22
1.4	256QAM	1	0	18.85	18.81	18.97			
1.4	256QAM	1	3	18.80	18.97	18.75			
1.4	256QAM	1	5	18.79	18.97	18.84			20
1.4	256QAM	3	0	18.90	18.89	19.17			
1.4	256QAM	3	3	19.07	19.02	18.73			
1.4	256QAM	3	3	19.04	18.81	18.94			
1.4	256QAM	6	0	18.85	18.90	18.74			20

LTE Band 13 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch / 23200	Middle Ch / 23250	High Ch / 23300	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.78	24.16				
10	QPSK	1	25	23.75	23.84		25		
10	QPSK	1	49	23.96					
10	QPSK	25	0	23.23					
10	QPSK	25	12	23.20					24
10	QPSK	25	25	23.17					1
10	QPSK	50	0	23.12					
10	16QAM	1	0	23.09			24		
10	16QAM	1	25	23.01					
10	16QAM	1	49	23.18					
10	16QAM	25	0	22.45					
10	16QAM	25	12	22.22					23
10	16QAM	25	25	22.27					2
10	16QAM	50	0	22.45					
10	64QAM	1	0	22.52					
10	64QAM	1	25	22.50					
10	64QAM	1	49	22.50					
10	64QAM	25	0	20.99					23
10	64QAM	25	12	20.95					
10	64QAM	25	25	21.10					22
10	64QAM	50	0	20.92					3
10	256QAM	1	0	19.14					
10	256QAM	1	25	19.17			20		
10	256QAM	1	49	19.19					
10	256QAM	25	0	19.26					
10	256QAM	25	12	19.18					20
10	256QAM	25	25	19.25					
10	256QAM	50	0	19.24					
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.78	23.93	23.88	init	MPR	(dB)
5	QPSK	1	12	23.75	23.90	23.91			
5	QPSK	1	24	23.67	23.74	23.72			25
5	QPSK	12	0	22.99	23.03	22.99			
5	QPSK	12	12	22.84	22.89	22.91			24
5	QPSK	12	24	22.84	22.82	22.85			
5	QPSK	25	0	22.84	22.87	22.87			
5	16QAM	1	0	23.01	23.01	23.78			24
5	16QAM	1	12	23.03	22.99	22.75			
5	16QAM	1	24	22.90	22.99	22.82			
5	16QAM	12	0	22.28	22.14	22.10			
5	16QAM	12	7	22.00	22.08	22.16			23
5	16QAM	12	19	22.29	22.19	22.28			2
5	16QAM	25	0	22.10	22.23	22.06			
5	16QAM	1	0	23.03	23.19	22.99			
5	16QAM	1	12	22.98	23.21	23.06			23
5	64QAM	1	24	23.13	22.15	22.16			
5	64QAM	12	0	20.95	20.73	20.89			
5	64QAM	12	12	20.86	20.77	20.75			
5	64QAM	12	19	20.97	20.99	20.94			22
5	64QAM	25	0	20.98	20.71	20.88			
5	256QAM	1	12	19.03	18.67	18.95			
5	256QAM	1	12	18.93	18.98	19.01			20
5	256QAM	1	24	18.88	18.95	18.93			5
5	256QAM	12	0	19.03	18.99	18.93			
5	256QAM	12	7	19.04	18.97	18.96			
5	256QAM	12	13	19.13	19.03	18.92			19
5	256QAM	25	0	19.06	18.96	18.96			

LTE Band 17 Ant 1										
BW (MHz)	Modulation	n	RB Size	RB Offset	Power Low Ch / 20MHz	Power Middle Ch / 20MHz	Power High Ch / 20MHz	Turn-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)										
10	QPSK	1	0	23.95	23.92	24.01			25	
10	QPSK	1	26	23.79	23.96	23.92				
10	QPSK	1	49	23.89	23.77	23.89			24	1
10	QPSK	25	0	23.02	23.05	22.91				
10	QPSK	25	12	22.95	23.04	22.92			23	2
10	QPSK	50	0	22.07	22.03	22.05				
10	QPSK	50	25	23.01	22.97	22.78			24	1
10	QPSK	50	0	22.95	23.04	22.99				
10	QPSK	50	0	23.07	23.03	22.92			23	2
10	QPSK	50	0	22.13	22.35	22.05				
10	QPSK	50	0	22.19	22.18	22.19			23	2
10	QPSK	50	0	22.32	22.38	22.04				
10	QPSK	50	0	22.37	22.29	22.05			22	3
10	QPSK	50	0	21.03	20.81	21.07				
10	QPSK	50	0	20.81	20.83	20.84			20	5
10	QPSK	50	0	21.01	21.02	20.88				
10	QPSK	50	0	21.09	20.87	21.03			20	5
10	QPSK	50	0	19.32	19.21	19.21				
10	QPSK	50	0	19.24	19.18	18.94			20	5
10	QPSK	50	0	19.05	19.12	18.95				
10	QPSK	50	0	19.19	19.15	18.94			20	5
10	QPSK	50	0	18.99	19.21	19.22				
Channel Frequency (MHz)										
5	QPSK	1	0	23.90	23.86	23.92			25	0
5	QPSK	1	12	23.76	23.78	23.95				
5	QPSK	1	24	23.79	23.80	23.70			24	1
5	QPSK	12	0	22.82	23.01	22.78				
5	QPSK	12	7	22.64	22.93	22.78			24	1
5	QPSK	12	13	22.79	22.91	22.72				
5	QPSK	25	0	22.91	22.90	22.81			24	1
5	QPSK	25	0	23.03	22.79	22.92				
5	QPSK	1	12	22.95	22.87	22.77			23	2
5	QPSK	1	24	23.01	22.83	22.84				
5	QPSK	12	7	22.06	22.11	22.06			23	2
5	QPSK	12	13	22.16	22.12	22.19				
5	QPSK	25	0	21.08	22.03	22.02			23	2
5	QPSK	25	0	22.09	22.19	22.05				
5	QPSK	1	12	22.02	22.34	22.06			22	3
5	QPSK	1	24	22.13	22.32	22.05				
5	QPSK	12	0	20.85	20.86	20.82			20	5
5	QPSK	12	7	20.86	20.86	20.87				
5	QPSK	12	13	20.87	20.91	20.87			20	5
5	QPSK	25	0	20.84	20.89	21.00				
5	QPSK	1	12	19.14	18.94	18.81			20	5
5	QPSK	1	24	19.05	18.96	19.00				
5	QPSK	12	7	19.14	18.96	18.98			20	5
5	QPSK	12	13	19.08	18.84	18.95				
5	QPSK	25	0	18.94	19.04	19.19				

LTE Band 25 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / 20MHz	Power Middle Ch / 20MHz	Power High Ch / 20MHz	Turn-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										2600 2600 2600 2600
10	QPSK	1	0	22.63	22.63	22.69			24	0
10	QPSK	1	49	22.75	22.61	22.69				
10	QPSK	1	99	22.76	22.61	22.80			23	1
10	QPSK	50	0	22.00	22.03	21.88				
10	QPSK	50	24	21.60	21.83	21.97			23	1
10	QPSK	50	50	22.02	21.98	21.82				
10	QPSK	100	0	21.81	21.91	21.85			23	1
10	QPSK	100	0	21.84	21.96	21.97				
10	QPSK	1	49	21.89	22.00	21.84			23	1
10	QPSK	1	99	21.89	21.89	21.99				
10	QPSK	50	0	20.90	20.78	20.79			22	2
10	QPSK	50	24	20.90	20.90	20.76				
10	QPSK	50	50	20.95	20.80	20.82			22	2
10	QPSK	1	49	20.94	20.87	20.74				
10	QPSK	1	49	20.81	20.91	20.80			22	2
10	QPSK	50	0	19.88	19.86	19.95				
10	QPSK	50	24	19.79	19.86	19.73			21	3
10	QPSK	50	50	19.85	19.89	19.79				
10	QPSK	100	0	19.73	19.97	19.86			19	5
10	QPSK	100	0	17.82	17.77	17.79				
10	QPSK	1	49	17.93	17.84	17.85			19	5
10	QPSK	1	99	17.77	17.80	17.98				
10	QPSK	50	0	17.84	17.84	17.79			19	5
10	QPSK	50	24	17.86	17.88	17.85				
10	QPSK	50	50	17.87	17.87	17.91				
Channel Frequency (MHz)										2615 2615 2615 2615
15	QPSK	1	0	22.65	22.83	22.88			24	0
15	QPSK	1	37	22.69	22.78	22.68				
15	QPSK	1	74	22.74	22.91	22.83			23	1
15	QPSK	36	0	21.82	21.98	21.81				
15	QPSK	36	20	21.61	21.73	21.79			23	1
15	QPSK	36	39	22.02	21.91	21.68				
15	QPSK	75	0	21.82	21.86	21.65			23	1
15	QPSK	75	0	21.71	21.78	21.79				
15	QPSK	1	37	21.67	21.84	21.79			22	2
15	QPSK	1	74	21.84	21.90	21.95				
15	QPSK	36	0	20.80	20.88	20.55			22	2
15	QPSK	36	20	20.80	20.88	20.55				
15	QPSK	36	39	20.54	20.66	20.87			22	2
15	QPSK	75	0	20.61	20.61	20.77				
15	QPSK	1	0	20.98	20.73	20.59			22	2
15	QPSK	1	37	20.82	20.87	20.89				
15	QPSK	1	74	20.90	20.87	20.80			21	3
15	QPSK	36	0	18.72	18.69	18.86				
15	QPSK	36	20	18.72	18.69	18.86			19	5
15	QPSK	36	39	18.54	19.75	19.03				
15	QPSK	75	0	19.74	19.95	19.78			19	5
15	QPSK	75	0	19.72	19.74	19.79				
15	QPSK	1	37	17.54	17.79	17.80			19	5
15	QPSK	1	74	17.74	17.78	17.79				
15	QPSK	36	0	17.63	17.64	17.64			19	5
15	QPSK	36	20	17.86	17.83	17.77				
15	QPSK	36	39	17.87	17.83	17.73			19	5
15	QPSK	75	0	17.65	17.82	17.79				
Channel Frequency (MHz)										2660 2660 2660 2660
10	QPSK	1	0	22.65	22.81	22.83			24	0
10	QPSK	1	25	22.63	22.81	22.89				
10	QPSK	1	49	22.68	22.81	22.78			23	1
10	QPSK	25	0	21.87	21.87	21.82				
10	QPSK	25	12	21.65	21.71	21.72			23	1
10	QPSK	25	12	21.63	21.63	21.62				
10	QPSK	50	0	21.63	21.70	21.67			23	1
10	QPSK	50	0	21.68	21.89	21.79				
10	QPSK	50	25	21.72	21.89	21.72			23	1
10	QPSK	1	49	21.89	21.76	21.96				
10	QPSK	50	0	20.75	20.89	20.72			22	2
10	QPSK	50	25	20.75	20.72	20.76				
10	QPSK	50	50	20.54	20.67	20.65			22	2
10	QPSK	50	50	20.68	20.75	20.65				
10	QPSK	1	0	20.60	20.65	20.65			22	2
10	QPSK	1								

LTE Band 30 Ant 1									
BW [MHz]	Modulatio n	RB Size	RB Offset	From Low Ch / 1500	From Middle Ch / 1500	From High Ch / 1500	Time-up limt (ms)	MPR (dB)	
Channel Frequency (MHz)									
10	QPSK	1	0	21.95					
10	QPSK	1	20	21.83					
10	QPSK	1	40	21.77					23
10	QPSK	25	0	20.85					
10	QPSK	25	12	20.72					
10	QPSK	25	25	20.83					22
10	QPSK	50	0	20.80					
10	16QAM	1	0	20.88					
10	16QAM	1	20	20.68					22
10	16QAM	1	40	20.78					
10	16QAM	25	0	19.85					
10	16QAM	25	12	19.70					21
10	16QAM	25	25	19.77					
10	16QAM	50	0	19.75					
10	64QAM	1	0	19.86					
10	64QAM	1	20	19.74					21
10	64QAM	1	40	19.74					
10	64QAM	25	0	18.83					
10	64QAM	25	12	18.83					
10	64QAM	25	25	18.72					20
10	64QAM	50	0	18.78					
10	256QAM	1	0	18.92					
10	256QAM	1	20	18.75					18
10	256QAM	1	40	18.84					
10	256QAM	25	0	18.86					
10	256QAM	25	12	18.90					
10	256QAM	25	25	18.86					18
10	256QAM	50	0	18.82					
Channel Frequency (MHz)									
5	QPSK	1	0	21.80	21.77	21.94			
5	QPSK	1	12	21.71	21.85	21.73			23
5	QPSK	1	24	21.74	21.58	21.66			
5	QPSK	12	0	20.69	20.66	20.79			
5	QPSK	12	7	20.64	20.73	20.51			22
5	QPSK	12	13	20.85	20.65	20.70			
5	QPSK	25	0	20.79	20.62	20.61			
5	16QAM	1	0	20.68	20.73	20.83			
5	16QAM	1	12	20.64	20.57	20.68			22
5	16QAM	1	24	20.57	20.72	20.64			
5	16QAM	12	0	19.76	19.64	19.64			
5	16QAM	12	7	19.63	19.62	19.62			21
5	16QAM	12	13	19.60	19.75	19.75			
5	16QAM	25	0	19.58	19.58	19.63			
5	64QAM	1	0	19.68	19.50	19.51			
5	64QAM	1	12	19.64	19.53	19.60			21
5	64QAM	1	24	19.54	19.74	19.55			
5	64QAM	12	0	18.72	18.81	18.67			
5	64QAM	12	7	18.70	18.77	18.84			
5	64QAM	12	13	18.71	18.73	18.55			20
5	64QAM	25	0	18.66	18.60	18.67			
5	256QAM	1	0	18.66	18.58	18.64			
5	256QAM	1	12	18.74	18.74	18.73			18
5	256QAM	1	24	18.68	18.63	18.75			
5	256QAM	12	0	18.65	18.76	18.65			
5	256QAM	12	7	18.65	18.68	18.73			18
5	256QAM	12	13	18.75	18.88	18.80			5
5	256QAM	25	0	18.78	18.84	18.67			

LTE Band 66 Ant 1									
BW [MHz]	Modulatio n	RB Size	RB Offset	From Low Ch / 1500	From Middle Ch / 1500	From High Ch / 1500	Time-up limt (ms)	MPR (dB)	
Channel Frequency (MHz)									
20	QPSK	1	0	22.97	23.03	22.92			
20	QPSK	1	40	22.93	22.92	22.90			24
20	QPSK	1	99	22.93	22.92	22.90			
20	QPSK	50	0	22.93	22.95	21.95			
20	QPSK	50	24	21.85	21.92	21.84			23
20	QPSK	50	50	22.01	21.91	22.01			
20	QPSK	100	0	22.00	22.04	21.89			
20	16QAM	1	0	22.00	22.08	22.07			23
20	16QAM	1	49	22.11	22.04	22.05			
20	16QAM	1	99	22.06	21.94	22.13			23
20	16QAM	50	0	20.90	21.01	20.99			
20	16QAM	50	24	20.96	21.06	20.99			22
20	16QAM	50	50	21.03	21.08	21.01			
20	16QAM	100	0	20.90	20.95	20.95			
20	64QAM	1	0	20.90	20.86	20.86			22
20	64QAM	1	49	21.04	21.01	20.98			
20	64QAM	1	99	20.93	20.96	20.95			
20	64QAM	50	0	19.88	19.99	19.84			
20	64QAM	50	24	19.87	19.97	19.84			21
20	64QAM	50	50	19.94	19.91	19.95			
20	64QAM	100	0	19.89	19.97	19.95			
20	256QAM	1	0	17.84	17.88	17.89			19
20	256QAM	1	49	18.01	17.95	17.88			
20	256QAM	1	99	17.87	17.85	17.88			
20	256QAM	50	0	17.87	17.97	17.89			19
20	256QAM	50	24	17.93	17.99	17.88			
20	256QAM	50	50	17.83	18.03	17.86			
20	256QAM	100	0	18.08	17.94	17.93			
Channel Frequency (MHz)									
10	QPSK	1	0	22.79	22.82	22.89			
10	QPSK	1	37	22.72	22.81	22.85			24
10	QPSK	1	74	22.84	22.87	22.73			
10	QPSK	36	0	21.90	22.02	21.91			
10	QPSK	36	20	21.68	21.73	21.92			23
10	QPSK	36	39	21.69	21.75	21.83			
10	QPSK	75	0	22.01	21.84	21.85			
10	16QAM	1	0	22.04	21.98	22.01			23
10	16QAM	1	37	21.90	21.91	22.02			
10	16QAM	1	74	22.06	21.86	22.14			
10	16QAM	36	0	20.92	21.05	20.96			22
10	16QAM	36	20	20.78	21.03	20.89			
10	16QAM	36	39	20.62	20.79	20.79			
10	16QAM	75	0	20.69	20.78	20.69			22
10	64QAM	1	0	20.77	20.69	20.70			
10	64QAM	1	37	20.98	20.85	20.75			22
10	64QAM	1	74	20.74	20.92	20.85			
10	64QAM	36	0	19.95	19.96	19.79			
10	64QAM	36	20	19.85	19.75	19.85			21
10	64QAM	36	39	19.55	19.74	19.55			
10	64QAM	75	0	19.86	19.80	19.93			
10	256QAM	1	0	17.75	17.85	17.80			19
10	256QAM	1	37	18.03	17.90	17.85			
10	256QAM	1	74	17.76	17.91	17.66			
10	256QAM	36	0	17.77	17.91	17.85			19
10	256QAM	36	20	17.72	17.83	18.00			
10	256QAM	36	39	17.74	17.90	17.70			19
10	256QAM	75	0	17.66	17.75	17.81			
Channel Frequency (MHz)									
5	QPSK	1	0	22.75	22.80	22.84			
5	QPSK	1	25	22.88	22.89	22.69			24
5	QPSK	1	49	22.81	22.73	22.81			
5	QPSK	25	0	21.85	21.98	21.91			
5	QPSK	25	12	21.73	21.87	21.86			23
5	QPSK	25	25	21.82	21.81	22.03			
5	QPSK	50	0	21.97	21.92	21.76			
5	16QAM	1	0	22.08	22.07	22.04			23
5	16QAM	1	25	22.04	21.89	22.01			
5	16QAM	1	49	21.95	21.86	21.95			
5	16QAM	25	0	20.86	20.95	20.91			22
5	16QAM	25	12	20.78	20.99	20.80			
5	16QAM	25	25	20.64	20.76	20.91			
5	16QAM	50	0	20.85	20.77	20.86			22
5	64QAM	1	0	20.89	20.74	20.65			
5	64QAM	1	25	21.05	20.88	20.89			22
5	64QAM	1	49	20.76	20.94	20.76			
5	64QAM	25	0	19.81	19.77	19.78			21
5	64QAM	25	12	19.82	19.92	19.94			
5	64QAM	25	25	19.88	19.91	19.82			
5	64QAM	50	0	19.76	19.88	19.76			
5	256QAM	1	0	17.80	17.87	17.75			19
5	256QAM	1	25	18.03	17.73	17.67			
5	256QAM	1	49	17.82	17.76	17.75			
5	256QAM	25	0	17.82	17.92	17.91			19
5	256QAM	25	12	17.52	17.92	17.91			
5	256QAM	25	25	17.91	17.94	17.72			
5	256QAM	50	0	17.86	17.81	17.85			
Channel Frequency (MHz)									
3	QPSK	1	0	22.75	22.80	22.84			
3	QPSK	1	8	22.85	22.81	22.75			24
3	QPSK	1	14	22.89	22.84	22.77			
3	QPSK	8	0	21.85	21.98	21.91			
3	QPSK	8	4	21.85	21.81	22.04			23
3	QPSK	8	7	21.85	21.83	21.91			
3	QPSK	15	0	21.95	21.81	21.82			
3	16QAM	1	0	22.10	21.87	21.98			23
3	16QAM	1	8	21.92	21.98	21.90			
3	16QAM	1	14	21.85	21.75	22.08			
3	16QAM	8	0	20.88	20.88	20.98			22
3	16QAM	8	4	20.76	21.01	20.95			
3	16QAM	8	7	20.					

LTE Band 38 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up (MHz)	MPR (dB)		
Channel Frequency (MHz)										
20	QPSK	1	0	21.49	21.52	21.47				
20	QPSK	1	49	21.34	21.47	21.48				
20	QPSK	1	99	21.24	21.53	21.48				
20	QPSK	50	0	20.58	20.69	20.46				
20	QPSK	50	24	20.58	20.61	20.60				
20	QPSK	50	50	20.44	20.53	20.51				
20	QPSK	100	0	20.57	20.64	20.62				
20	16QAM	1	0	20.64	20.65	20.65				
20	16QAM	1	49	20.57	20.59	20.58				
20	16QAM	1	99	20.56	20.54	20.52				
20	16QAM	50	0	19.49	19.42	19.40				
20	16QAM	50	24	19.50	19.42	19.39				
20	16QAM	50	50	19.46	19.55	19.54				
20	16QAM	100	0	19.49	19.49	19.50				
20	64QAM	1	0	19.37	19.39	19.39				
20	64QAM	1	49	19.42	19.46	19.41				
20	64QAM	1	99	19.39	19.49	19.51				
20	64QAM	50	0	18.37	18.46	18.51				
20	64QAM	50	24	18.54	18.53	18.36				
20	64QAM	50	50	18.47	18.49	18.45				
20	64QAM	100	0	18.41	18.47	18.45				
20	256QAM	1	0	18.40	18.46	18.49				
20	256QAM	1	49	18.41	18.53	18.56				
20	256QAM	1	99	18.44	18.51	18.59				
20	256QAM	50	0	16.54	16.51	16.50				
20	256QAM	50	24	16.54	16.50	16.50				
20	256QAM	50	50	16.54	16.50	16.50				
20	256QAM	100	0	16.50	16.57	16.42				
Channel Frequency (MHz)										
15	QPSK	1	0	21.42	21.52	21.27				
15	QPSK	1	37	21.18	21.35	21.35				
15	QPSK	1	74	21.24	21.43	21.43				
15	QPSK	36	0	20.58	20.48	20.45				
15	QPSK	36	20	20.58	20.63	20.46				
15	QPSK	36	39	20.49	20.45	20.36				
15	QPSK	75	0	20.51	20.53	20.60				
15	16QAM	1	0	20.49	20.51	20.34				
15	16QAM	1	37	20.42	20.44	20.38				
15	16QAM	1	74	20.41	20.44	20.64				
15	16QAM	36	0	19.39	19.42	19.37				
15	16QAM	36	20	19.38	19.47	19.31				
15	16QAM	36	39	19.32	19.45	19.46				
15	16QAM	75	0	19.32	19.37	19.35				
15	64QAM	1	0	19.38	19.23	19.30				
15	64QAM	1	37	19.37	19.47	19.32				
15	64QAM	1	74	19.33	19.42	19.41				
15	64QAM	36	0	18.22	18.31	18.40				
15	64QAM	36	20	18.54	18.38	18.24				
15	64QAM	36	39	18.24	18.34	18.36				
15	64QAM	75	0	18.29	18.24	18.24				
15	256QAM	1	0	16.58	16.57	16.50				
15	256QAM	1	37	16.42	16.38	16.55				
15	256QAM	1	74	16.23	16.32	16.43				
15	256QAM	36	0	16.34	16.35	16.35				
15	256QAM	36	20	16.41	16.32	16.44				
15	256QAM	36	39	16.48	16.18	16.42				
15	256QAM	75	0	16.40	16.24	16.21				
Channel Frequency (MHz)										
10	QPSK	1	0	21.50	21.56	21.56				
10	QPSK	1	25	21.22	21.44	21.44				
10	QPSK	1	49	21.12	21.46	21.32				
10	QPSK	25	0	20.49	20.45	20.35				
10	QPSK	25	12	20.58	20.69	20.39				
10	QPSK	25	24	20.38	20.46	20.38				
10	QPSK	50	0	20.59	20.43	20.54				
10	16QAM	1	0	20.61	20.50	20.49				
10	16QAM	1	25	20.46	20.46	20.46				
10	16QAM	1	49	20.57	20.48	20.50				
10	16QAM	25	0	19.50	19.39	19.23				
10	16QAM	25	12	19.45	19.40	19.41				
10	16QAM	25	25	19.32	19.40	19.39				
10	16QAM	50	0	19.16	19.32	19.36				
10	16QAM	1	0	19.29	19.32	19.20				
10	64QAM	1	25	19.43	19.37	19.41				
10	64QAM	1	49	19.39	19.32	19.31				
10	64QAM	25	0	18.19	18.44	18.52				
10	64QAM	25	12	18.54	18.32	18.37				
10	64QAM	25	25	18.36	18.47	18.36				
10	64QAM	50	0	18.39	18.40	18.29				
10	256QAM	1	0	16.45	16.37	16.33				
10	256QAM	1	25	16.29	16.38	16.38				
10	256QAM	1	49	16.29	16.35	16.50				
10	256QAM	25	0	16.33	16.47	16.60				
10	256QAM	25	12	16.54	16.51	16.32				
10	256QAM	25	25	16.50	16.29	16.40				
10	256QAM	50	0	16.40	16.24	16.21				
Channel Frequency (MHz)										
5	QPSK	1	0	21.42	21.50	21.47				
5	QPSK	1	12	21.33	21.45	21.42				
5	QPSK	1	24	21.28	21.34	21.42				
5	QPSK	12	7	20.51	20.63	20.48				
5	QPSK	12	13	20.23	20.67	20.32				
5	QPSK	24	0	20.50	20.54	20.60				
5	16QAM	1	0	20.50	20.55	20.47				
5	16QAM	1	12	20.42	20.48	20.39				
5	16QAM	1	24	20.45	20.52	20.52				
5	16QAM	12	0	19.50	19.42	19.33				
5	16QAM	12	7	19.51	19.52	19.31				
5	16QAM	12	13	19.48	19.43	19.33				
5	16QAM	25	0	19.27	19.34	19.51				
5	16QAM	1	0	19.19	19.18	19.19				
5	64QAM	1	12	19.31	19.47	19.34				
5	64QAM	1	24	19.30	19.34	19.31				
5	64QAM	12	0	18.23	18.43	18.49				
5	64QAM	12	7	18.40	18.41	18.28				
5	64QAM	12	13	18.26	18.42	18.41				
5	256QAM	1	0	16.50	16.29	16.26				
5	256QAM	1	12	16.21	16.30	16.51				
5	256QAM	1	24	16.34	16.35	16.45				
5	256QAM	12	0	16.39	16.31	16.40				
5	256QAM	12	7	16.43	16.30	16.39				
5	256QAM	12	13	16.52	16.33	16.27				
5	256QAM	25	0	16.33	16.39	16.21				

LTE Band 41 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Tune-up (MHz)	MPR (dB)	
Channel Frequency (MHz)										
20	QPSK	1	0	21.53	21.77	22.01	21.89	21.91		
20	QPSK	1	49	21.72	21.78	21.84	21.88	21.91		
20	QPSK	1	99	21.84	21.86	21.91	21.85	21.92		
20	QPSK	50	0	20.82	20.79	20.93	20.77	20.82		
20	QPSK	50	24	20.82	20.79	20.72	20.75	20.82		
20	QPSK	50	50	20.83	20.88	20.88	20.84	20.84		
20	QPSK	100	0	20.81	20.73	20.92	20.81	20.74		
20	16QAM	1	0	20.73	20.48	20.79	20.79	20.85		
20	16QAM	1	49	20.71	20.75	20.76	20.86	20.85		
20	16QAM	1	99	20.91	20.78	20.74	20.85	20.85		
20	16QAM	50	0	19.85	19.82	19.87	19.85	19.93		
20	16QAM	50	24	19.85	19.84	19.78	19.95	19.77		
20	16QAM	50	50	19.89	19.85	19.99	19.78	19.91		
20	16QAM	100	0	19.87	19.83	19.93	19.95	19.95		
20	64QAM	1	0	19.85	19.84	19.78	19.95	19.77		
20	64QAM	1	49	19.83	19.82	19.84	19.96	19.80		
20	64QAM	1	99	19.89	19.87	19.92	19.82	19.90		
20	64QAM	50	0	18.76	18.72	18.81	18.76	18.85		
20	64QAM	50	24	18.85	18.80	18.80	18.85	18.85		
20	64QAM	50	50	18.81	18.80	18.89	18.89	18.88		
20	64QAM	100	0	18.76	18.70	18.73	18.75	18.78		
20	256QAM	1	0	17.02	16.81	16.92	16.81	16.81		
20	256QAM	1	49	16.93	17.00	16.89	16.97	16.87		
20	256QAM	1	99	16.97	17.00	16.88	16.88	16.92		
20	256QAM	50	0	16.92	17.02	16.97	16.98	17.00		

LTE Band 7 Other PA Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. / 1000	Mid Ch. / 1100	High Ch. / 1200	Tune-up limit (dBm)	MPR (dB)	
Channel				2010	2035	2060			
Frequency (MHz)									
20	QPSK	1	0	22.93	23.07	23.05	24	0	
20	QPSK	1	49	22.94	22.98	23.03			
20	QPSK	1	99	22.87	22.90	22.91			
20	QPSK	50	0	21.86	22.05	22.01			
20	QPSK	50	24	21.82	21.97	21.91	23	1	
20	QPSK	50	50	21.83	22.02	21.88			
20	QPSK	100	0	21.98	22.00	21.99			
20	16QAM	1	0	22.92	23.01	23.08			
20	16QAM	1	49	21.84	21.97	21.90	23	1	
20	16QAM	1	99	22.91	22.98	22.96			
20	16QAM	50	0	20.94	21.00	21.01			
20	16QAM	50	24	21.01	20.86	20.93			
20	16QAM	50	50	20.97	20.98	20.92	22	2	
20	16QAM	100	0	20.95	20.98	20.98			
20	64QAM	1	0	21.05	21.05	20.99			
20	64QAM	1	49	21.00	20.99	20.98			
20	64QAM	1	99	20.89	20.86	20.98	22	2	
20	64QAM	50	0	20.03	19.97	19.98			
20	64QAM	50	24	19.95	19.95	19.95			
20	64QAM	50	50	19.87	19.89	19.85			
20	16QAM	100	0	19.85	19.94	19.94	21	3	
20	256QAM	1	0	17.84	17.87	17.84			
20	256QAM	1	49	17.80	17.75	17.76			
20	256QAM	1	99	17.91	17.91	17.75			
20	256QAM	50	0	17.83	17.75	17.72	19	5	
20	256QAM	50	24	17.85	17.81	17.83			
20	256QAM	50	50	17.71	17.75	17.87			
20	256QAM	100	0	17.74	17.82	17.84			
Channel				20925	21100	21375			
Frequency (MHz)									
15	QPSK	1	0	22.72	22.88	23.05	24	0	
15	QPSK	1	37	22.72	22.84	22.84			
15	QPSK	1	74	22.74	22.83	22.83			
15	QPSK	36	0	21.65	22.07	22.02			
15	QPSK	36	20	21.78	21.91	21.85	23	1	
15	QPSK	36	36	21.63	21.95	21.89			
15	QPSK	75	0	21.91	21.87	21.96			
15	16QAM	1	0	22.72	22.73	21.96			
15	16QAM	1	37	21.64	21.79	21.79	23	1	
15	16QAM	1	74	21.95	21.89	21.85			
15	16QAM	36	0	20.83	20.84	20.95			
15	16QAM	36	20	20.81	20.78	20.80			
15	16QAM	36	36	20.91	20.84	20.85	22	2	
15	16QAM	75	0	20.75	20.98	20.83			
15	64QAM	1	0	20.84	20.99	20.88			
15	64QAM	1	37	20.83	20.93	20.76			
15	64QAM	1	74	20.71	20.87	20.81	21	3	
15	64QAM	36	0	19.98	19.83	19.83			
15	64QAM	36	20	19.98	19.75	19.84			
15	64QAM	36	36	19.78	19.60	19.74			
15	64QAM	75	0	19.85	19.74	19.89	19	5	
15	256QAM	1	0	17.73	17.77	17.67			
15	256QAM	1	37	17.78	17.83	17.73			
15	256QAM	1	74	17.85	17.78	17.71			
15	256QAM	36	0	17.80	17.57	17.72	19	5	
15	256QAM	36	20	17.79	17.73	17.78			
15	256QAM	36	36	17.68	17.67	17.68			
15	256QAM	75	0	17.53	17.81	17.69			
Channel				20900	21100	21400			
Frequency (MHz)									
10	QPSK	1	0	22.80	22.90	22.95	24	0	
10	QPSK	1	25	22.87	22.87	22.97			
10	QPSK	1	49	22.87	22.78	22.88			
10	QPSK	25	0	21.80	22.03	21.80			
10	QPSK	25	12	21.81	21.77	21.93	23	1	
10	QPSK	25	25	21.80	21.88	21.89			
10	QPSK	50	0	21.84	21.78	21.82			
10	16QAM	1	0	22.01	21.78	21.89			
10	16QAM	1	25	21.75	21.87	21.70	23	1	
10	16QAM	1	49	22.00	21.86	21.78			
10	16QAM	25	0	20.95	20.91	20.95			
10	16QAM	25	12	20.95	20.81	20.88			
10	16QAM	25	25	20.92	20.96	20.86	22	2	
10	16QAM	50	0	20.75	20.87	20.87			
10	64QAM	1	0	20.98	20.84	20.89			
10	64QAM	1	25	21.02	20.76	20.79			
10	64QAM	1	49	20.87	20.74	20.91	22	2	
10	64QAM	25	0	20.03	19.79	19.98			
10	64QAM	25	12	19.87	19.85	19.83			
10	64QAM	25	25	19.87	19.86	19.86			
10	64QAM	50	0	19.72	19.77	19.74	21	3	
10	256QAM	1	0	17.25	17.22	17.83			
10	256QAM	1	25	17.70	17.84	17.76			
10	256QAM	1	49	17.80	17.80	17.75			
10	256QAM	25	0	17.73	17.62	17.65	19	5	
10	256QAM	25	12	17.77	17.66	17.81			
10	256QAM	25	25	17.76	17.80	17.70			
10	256QAM	50	0	17.68	17.75	17.76			
Channel				20775	21100	21425			
Frequency (MHz)									
5	QPSK	1	0	22.85	22.98	22.95	24	0	
5	QPSK	1	12	22.85	22.69	22.94			
5	QPSK	1	24	22.95	22.78	22.85			
5	QPSK	12	0	21.84	21.90	21.89			
5	QPSK	12	7	21.63	21.91	21.86	23	1	
5	QPSK	12	13	21.72	22.01	21.82			
5	QPSK	25	0	21.78	21.87	21.85			
5	16QAM	1	0	21.93	21.82	21.70			
5	16QAM	1	12	21.63	21.98	21.89	23	1	
5	16QAM	1	24	21.80	21.79	21.87			
5	16QAM	12	0	20.73	20.80	20.82			
5	16QAM	12	7	20.80	20.70	20.84			
5	16QAM	12	13	20.93	20.79	20.80	22	2	
5	16QAM	25	0	20.81	20.94	20.88			
5	64QAM	1	0	20.96	20.91	20.71			
5	64QAM	1	12	20.85	20.75	20.80			
5	64QAM	1	24	20.95	20.81	20.86	22	2	
5	64QAM	12	0	19.80	19.95	19.77			
5	64QAM	12	7	19.73	19.81	19.78			
5	64QAM	12	13	19.65	19.74	19.84			
5	64QAM	25	0	19.77	19.86	19.91	21	3	
5	256QAM	1	0	17.84	17.75	17.69			
5	256QAM	1	12	17.69	17.79	17.62			
5	256QAM	1	24	17.91	17.70	17.71			
5	256QAM	12	0	17.81	17.66	17.71	19	5	
5	256QAM	12	7	17.65	17.67	17.70			
5	256QAM	12	13	17.67	17.81	17.67			
5	256QAM	25	0	17.62	17.68	17.77			

LTE Band 30 Other PA Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. / 1000	Mid Ch. / 1100	High Ch. / 1200	Tune-up limit (dBm)	MPR (dB)	
Channel				2310	2310	2310			
Frequency (MHz)									
10	QPSK	1	0	22.43	22.43	22.43	24	0	
10	QPSK	1	25	22.35	22.35	22.35			
10	QPSK	1	49	22.40	22.40	22.40			
10	QPSK	25	0	21.58	21.58	21.58			
10	QPSK	25	12	21.54	21.54	21.54	23	1	
10	QPSK	25	25	21.50	21.50	21.50			
10	QPSK	50	0	21.44	21.44	21.44			
10	16QAM	1	0	21.41	21.41	21.41			
10	16QAM	1	25	21.50	21.50	21.50	23	1	
10	16QAM	1	49	21.49	21.49	21.49			
10	16QAM	25	0	20.55	20.55	20.55			
10	16QAM	25	12	20.53	20.53	20.53			
10	16QAM	25	25	20.60	20.60	20.60	22	2	
10	16QAM	50	0	20.40	20.40	20.40			
10	16QAM	1	25	20.41	20.41	20.41			
10	16QAM	1	49	20.38	20.38	20.38			
10	16QAM	25	0	19.40	19.40	19.40	21	3	
10	16QAM	25	25	19.31	19.31	19.31			
10	16QAM	50	0	19.15	19.15	19.15			
10	16QAM	50	0	19.05	19.05	19.05			
10	256QAM	1	0	17.30	17.30	17.30	19	5	
10	256QAM	1	25	17.28	17.28	17.28			
10	256QAM	1	49	17.35	17.35	17.35			
10	256QAM	25	0	17.31	17.31	17.31			
10	256QAM	25	12	17.40	17.40	17.40	19	5	
10	256QAM	25	25	17.32	17.32	17.32			
10	256QAM	50	0	17.42	17.42	17.42			
10	256QAM	50	0	17.45	17.45	17.45			
Frequency (MHz)				2166	2171	2176	init	MPR (dB)	
10	QPSK	1	0	22.07	22.07	22.07	24	0	
10	QPSK	1	25	22.25	22.25	22.25			
10	QPSK	1	49	22.10	22.10	22.10			
10	QPSK	1	24	22.33	22.33	22.33			
10	QPSK	12	0	21.46	21.48	21.50	23	1	
10	QPSK	12	6	21.52	21.51	21.49			
10	QPSK	12	13	21.39	21.38	21.39			
10	QPSK	25	0	21.51	21.54	21.53			
10	16QAM	1	10QAM	21.38	21.38	21.38	23	1	
10	16QAM	1	12	21.44	21.44	21.44			
10	16QAM	1	24	21.45	21.51	21.49			
10	16QAM	12	7	20.14	20.27	20.33			
10	16QAM	12	15	20.48	20.42	20.52	22	2	
10	16QAM	25	0	20.51	20.44	20.43			
10	16QAM	1	0	20.41	20.41	20.40			
10	16QAM	1	24	20.33	20.42	20.39			
10	16QAM	1	24	20.20	20.29	20.30	22	2	
10	16QAM	12	0	19.23	19.37	19.38			
10	16QAM	12	15	19.18	19.26	19.26			
10	16QAM	25	0	19.44	19.45	19.42			
10	16QAM	1	10QAM	17.15	17.15	17.20	21	3	
10	16QAM	12	15	17.46	17.47	17.48			
10	256QAM	1	24	17.14	17.30	17.30			
10	256QAM	12	15	17.25	17.32	17.23			
10	256QAM	12	7	17.25	17.41	17.38	19	5	
10	256QAM	12	15	17.21	17.26	17.21			
10	256QAM	25	0	17.28	17.35	17.35			
10	256QAM	25	0	17.30	17.30	17.30			

LTE Band 38 Other PA Ant 2										
Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)		
Channel Frequency (MHz)										
20	QPSK	1	0	22.26	22.43	22.34	24	0		
20	QPSK	1	49	22.29	22.25	22.16				
20	QPSK	1	89	22.31	22.50	22.21				
20	QPSK	50	0	21.54	21.58	21.38				
20	QPSK	50	24	21.56	21.38	21.38	23	1		
20	QPSK	50	50	21.45	21.35	21.37				
20	QPSK	100	0	21.25	21.32	21.31				
20	QPSK	100	24	21.26	21.34	21.38				
20	16QAM	1	49	21.41	21.38	21.40	23	1		
20	16QAM	1	89	21.31	21.46	21.43				
20	16QAM	50	0	20.31	20.43	20.51				
20	16QAM	50	24	20.32	20.20	20.20				
20	16QAM	50	50	20.39	20.51	20.47	22	2		
20	16QAM	100	0	20.38	20.39	20.24				
20	16QAM	100	24	20.30	20.44	20.49				
20	16QAM	100	50	20.39	20.33	20.23				
20	64QAM	1	49	20.39	20.39	20.24	22	2		
20	64QAM	1	89	19.23	19.27	19.30				
20	64QAM	50	0	19.24	19.42	19.35				
20	64QAM	50	24	19.34	19.42	19.35				
20	64QAM	50	50	19.30	19.30	19.29	21	3		
20	64QAM	100	0	19.46	19.47	19.42				
20	256QAM	1	49	17.52	17.45	17.43				
20	256QAM	1	89	17.19	17.17	17.31				
20	256QAM	50	0	17.22	17.30	17.33	19	5		
20	256QAM	50	24	17.40	17.20	17.34				
20	256QAM	50	50	17.39	17.42	17.25				
20	256QAM	100	0	17.25	17.31	17.26				
Channel Frequency (MHz)										
15	QPSK	1	0	22.10	22.22	22.20	24	0		
15	QPSK	1	37	22.09	22.14	22.17				
15	QPSK	1	89	22.11	22.50	22.21				
15	QPSK	36	0	21.36	21.54	21.21				
15	QPSK	36	20	21.40	21.33	21.18	23	1		
15	QPSK	36	50	21.32	21.30	21.25				
15	QPSK	75	0	21.13	21.22	21.13				
15	QPSK	75	24	21.11	21.23	21.23				
15	16QAM	1	49	21.34	21.30	21.36	23	1		
15	16QAM	1	89	21.33	21.34	21.39				
15	16QAM	36	0	20.10	20.38	20.43				
15	16QAM	36	20	20.23	20.18	20.08				
15	16QAM	36	50	20.18	20.52	20.38	22	2		
15	16QAM	75	0	19.55	19.22	19.22				
15	16QAM	75	24	19.32	19.24	19.30				
15	16QAM	75	50	19.44	19.33	19.28				
15	64QAM	1	49	17.52	17.45	17.43	19	5		
15	64QAM	1	89	17.19	17.18	17.31				
15	64QAM	36	0	17.22	17.30	17.33				
15	64QAM	36	20	17.22	17.11	17.22				
15	256QAM	1	49	17.39	17.42	17.25	19	5		
15	256QAM	1	89	17.25	17.31	17.26				
15	256QAM	36	0	17.25	17.31	17.26				
15	256QAM	36	20	17.25	17.31	17.26				
Channel Frequency (MHz)										
10	QPSK	1	0	22.41	22.41	22.41	24	0		
10	QPSK	1	25	22.17	22.22	22.16				
10	QPSK	1	49	22.08	22.19	22.08				
10	QPSK	25	0	21.46	21.46	21.20				
10	QPSK	25	12	21.54	21.38	21.24	23	1		
10	QPSK	25	24	21.57	21.32	21.20				
10	QPSK	50	0	21.21	21.17	21.21				
10	16QAM	1	0	21.07	21.33	21.30				
10	16QAM	1	49	21.16	21.29	21.28	23	1		
10	16QAM	1	89	21.16	21.29	21.28				
10	16QAM	25	0	20.11	20.36	20.39				
10	16QAM	25	12	20.32	20.15	20.02				
10	16QAM	25	25	20.31	20.37	20.29	22	2		
10	16QAM	50	0	20.19	20.22	20.35				
10	16QAM	50	12	20.33	20.23	20.43				
10	16QAM	50	25	20.28	20.14	20.22				
10	64QAM	1	49	19.24	19.14	19.10	21	3		
10	64QAM	25	12	19.03	19.38	19.26				
10	64QAM	25	25	19.34	19.11	19.15				
10	64QAM	50	0	19.28	19.48	19.43				
10	256QAM	1	49	17.06	17.15	17.14	19	5		
10	256QAM	1	89	17.47	17.30	17.31				
10	256QAM	1	49	17.05	17.01	17.18				
10	256QAM	25	0	17.00	17.28	17.15				
10	256QAM	25	12	17.20	17.20	17.24	19	5		
10	256QAM	25	25	17.30	17.40	17.11				
10	256QAM	50	0	17.05	17.10	17.12				
10	256QAM	50	25	17.17	17.13	17.15				
Channel Frequency (MHz)										
5	QPSK	1	0	22.12	22.40	22.24	24	0		
5	QPSK	1	12	22.12	22.03	22.13				
5	QPSK	1	24	22.14	22.14	22.06				
5	QPSK	12	0	21.46	21.46	21.17				
5	QPSK	12	7	21.34	21.20	21.20	23	1		
5	QPSK	12	13	21.37	21.20	21.19				
5	QPSK	25	0	21.15	21.31	21.30				
5	16QAM	1	0	21.11	21.34	21.36				
5	16QAM	1	12	21.28	21.33	21.24	23	1		
5	16QAM	1	24	21.09	21.35	21.22				
5	16QAM	12	0	20.19	20.37	20.46				
5	16QAM	12	7	20.14	20.16	20.09				
5	16QAM	12	13	20.28	20.31	20.26	22	2		
5	16QAM	25	0	20.23	20.29	20.15				
5	16QAM	25	12	20.34	20.34	20.38				
5	16QAM	25	12	20.21	20.28	20.25				
5	64QAM	1	24	20.31	20.30	20.21	22	2		
5	64QAM	1	49	19.15	19.08	19.20				
5	64QAM	12	7	19.03	19.36	19.12				
5	64QAM	12	13	19.17	19.20	19.16				
5	256QAM	1	49	17.05	17.27	17.07	19	5		
5	256QAM	1	89	17.40	17.38	17.44				
5	256QAM	1	49	17.05	17.14	17.16				
5	256QAM	12	0	17.02	17.23	17.19				
5	256QAM	12	13	17.32	17.02	17.25	19	5		
5	256QAM	12	13	17.32	17.38	17.14				
5	256QAM	25	0	17.21	17.13	17.05				
5	256QAM	25	0	17.21	17.13	17.05				

LTE Band 2 Other PA Ant 5												
BW (MHz)	Module ID	RB Size	RB Offset	Channel Frequency (MHz)	Low Ch. / 100K	Midle Ch. / 100K	High Ch. / 100K	Time-slot (ms)	MPR (dB)			
20	QPSK	1	0	19.19	19.20	19.20	19.20	20	0			
20	QPSK	1	49	19.86	19.82	19.82	19.82	20	0			
20	QPSK	50	0	19.08	19.08	19.02	19.02	20	0			
20	QPSK	50	50	19.15	19.05	19.05	19.05	20	0			
20	QPSK	100	0	19.06	19.16	19.05	19.05	20	0			
20	QPSK	100	50	19.14	19.04	19.05	19.05	20	0			
20	16QAM	1	49	19.87	19.19	19.19	19.13	20	0			
20	16QAM	1	99	19.16	19.16	19.16	19.14	20	0			
20	16QAM	50	0	19.08	19.08	19.08	19.08	20	0			
20	16QAM	50	50	19.16	19.12	19.14	19.14	20	0			
20	16QAM	100	0	19.07	19.07	19.07	19.07	20	0			
20	16QAM	100	50	19.16	19.07	19.10	19.10	20	0			
20	64QAM	1	99	19.10	19.10	19.10	19.03	20	0			
20	64QAM	1	49	19.08	19.08	19.08	19.08	20	0			
20	64QAM	50	0	19.03	19.00	19.00	19.00	20	0			
20	64QAM	50	50	19.14	19.05	19.08	19.13	20	0			
20	64QAM	100	0	19.04	19.19	19.13	19.13	20	0			
20	64QAM	100	50	19.14	19.09	19.06	19.06	20	0			
20	64QAM	1	49	19.08	19.01	19.01	19.01	20	0			
20	64QAM	1	99	19.14	19.11	19.11	19.17	20	0			
20	64QAM	50	0	19.08	19.00	19.00	19.00	20	0			
20	64QAM	50	50	19.03	19.18	19.10	19.14	20	0			
20	64QAM	100	0	19.07	19.10	19.10	19.13	20	0			
20	64QAM	100	50	19.14	19.09	19.09	19.13	20	0			
20	64QAM	1	0	19.07	19.07	19.07	19.07	20	0			
20	64QAM	1	49	19.08	19.02	19.02	19.02	20	0			
20	64QAM	1	99	19.14	19.11	19.11	19.17	20	0			
20	64QAM	50	0	19.03	19.18	19.10	19.14	20	0			
20	64QAM	50	50	19.03	19.18	19.10	19.14	20	0			
20	64QAM	100	0	19.07	19.10	19.10	19.13	20	0			
20	64QAM	100	50	19.14	19.09	19.09	19.13	20	0			
20	64QAM	1	0	19.07	19.07	19.07	19.07	20	0			
20	64QAM	1	49	19.08	19.02	19.02	19.02	20	0			
20	64QAM	1	99	19.14	19.11	19.11	19.17	20	0			
20	64QAM	50	0	19.03	19.18	19.10	19.14	20	0			
20	64QAM	50	50	19.03	19.18	19.10	19.14	20	0			
20	64QAM	100	0	19.07	19.10	19.10	19.13	20	0			
20	64QAM	100	50	19.14	19.09	19.09	19.13	20	0			
20	64QAM	1	0	19.07	19.07	19.07	19.07	20	0			
20	64QAM	1	49	19.08	19.02	19.02	19.02	20	0			
20	64QAM	1	99	19.14	19.11	19.11	19.17	20	0			
20	64QAM	50	0	19.03	19.18	19.10	19.14	20	0			
20	64QAM	50	50	19.03	19.18	19.10	19.14	20	0			
20	64QAM	100	0	19.07	19.10	19.10	19.13	20	0			
20	64QAM	100	50	19.14	19.09	19.09	19.13	20	0			
20	64QAM	1	0	19.07	19.07	19.07	19.07	20	0			

LTE Band 4 Other PA Ant 5										
RF (MHz)	Module n	RB Size	RB Offset	Low Ch / 20050	Midle Ch / 20175	High Ch / 20300	Time- slot (ms)	MPR (dB)		
Channel										
Frequency (MHz)				20050	20175	20300				
20	QPSK	1	0	19.21	19.26	19.33	20	0		
20	QPSK	1	49	19.09	19.05	19.22	20	0		
20	QPSK	50	0	19.15	19.25	19.21	20	0		
20	QPSK	50	24	19.20	19.09	19.05	20	0		
20	QPSK	50	16	19.15	19.25	19.21	20	0		
20	QPSK	100	0	19.20	19.22	19.26	20	0		
20	QPSK	100	49	19.09	19.05	19.22	20	0		
20	16QAM	1	49	19.08	19.15	19.24	20	0		
20	16QAM	1	99	19.13	19.24	19.18	20	0		
20	16QAM	50	0	19.15	19.21	19.26	20	0		
20	16QAM	50	24	19.22	19.03	19.06	20	0		
20	16QAM	50	16	19.16	19.17	19.12	20	0		
20	16QAM	50	0	19.15	19.25	19.21	20	0		
20	16QAM	100	0	19.20	19.20	19.20	20	0		
20	16QAM	100	49	19.12	19.23	19.19	20	0		
20	16QAM	1	0	19.07	19.23	19.11	20	0		
20	16QAM	1	99	19.08	19.06	19.09	20	0		
20	16QAM	1	99	19.04	19.17	19.10	20	0		
20	16QAM	50	0	19.07	19.20	19.20	20	0		
20	16QAM	50	24	19.12	19.14	19.12	20	0		
20	16QAM	50	16	19.01	19.04	19.08	20	0		
20	16QAM	100	0	19.03	19.05	19.02	20	0		
20	16QAM	100	49	19.20	19.23	19.24	20	0		
20	16QAM	1	99	19.20	19.20	19.23	20	0		
20	16QAM	50	24	19.04	19.11	19.22	20	0		
20	16QAM	50	16	19.09	19.10	19.08	20	0		
20	16QAM	100	0	19.12	19.23	19.19	20	0		
Channel										
Frequency (MHz)				20050	20175	20300	Time- slot (ms)	MPR (dB)		
20	QPSK	1	0	19.15	19.22	19.22				
15	QPSK	1	37	18.97	18.87	19.00	20	0		
15	QPSK	1	37	19.03	18.93	19.06	20	0		
15	QPSK	36	0	19.06	19.13	19.05	20	0		
15	QPSK	36	20	19.05	18.90	19.01	20	0		
15	QPSK	36	20	19.03	18.93	19.06	20	0		
15	QPSK	75	0	19.14	19.05	19.01	20	0		
15	16QAM	1	0	19.00	19.07	19.02	20	0		
15	16QAM	1	49	18.98	18.93	19.01	20	0		
15	16QAM	1	74	18.93	19.14	19.01	20	0		
15	16QAM	36	0	19.13	19.02	19.04	20	0		
15	16QAM	36	20	19.06	19.13	18.93	20	0		
15	16QAM	36	20	19.10	19.01	18.94	20	0		
15	16QAM	75	0	19.05	18.96	18.96	20	0		
15	16QAM	1	0	18.90	19.14	19.05	20	0		
15	16QAM	1	37	18.93	18.80	18.94	20	0		
15	16QAM	1	37	18.87	18.93	18.93	20	0		
15	16QAM	36	0	18.99	19.04	19.04	20	0		
15	16QAM	36	20	19.10	18.84	18.90	20	0		
15	16QAM	36	20</							

[illegible]

Sensor on Power

WCDMA									
	Band	WCDMA I AMI 0			Turn-up Limit (dBm)	WCDMA IV AMI 0			Turn-up Limit (dBm)
		TX Channel				TX Channel			
		9262	9400	9538		1312	1413	1513	
Frequency (MHz)									
		1852.4	1880	1907.6		1712.4	1732.6	1752.8	
3GPP Rel 99	AMR 12.2Kbps	23.68	23.70	23.53	25.00	21.63	21.87	21.77	23.00
3GPP Rel 99	RM 12.2Kbps	23.71	23.73	23.56	25.00	21.72	21.88	21.85	23.00
3GPP Rel 6	HSDPA Subtest-1	22.70	22.84	22.57	24.00	20.63	20.71	20.90	22.00
3GPP Rel 6	HSDPA Subtest-2	22.69	22.68	22.43	24.00	20.57	20.60	20.60	22.00
3GPP Rel 6	HSDPA Subtest-3	22.13	22.14	22.16	23.50	20.23	20.25	20.02	21.50
3GPP Rel 6	HSDPA Subtest-4	22.16	22.18	22.00	23.50	20.18	20.31	20.03	21.50
3GPP Rel 6	HSUPA Subtest-1	22.82	22.68	22.45	24.00	20.72	20.93	20.46	22.00
3GPP Rel 6	HSUPA Subtest-2	20.63	20.73	20.46	22.00	18.76	18.80	18.71	20.00
3GPP Rel 6	HSUPA Subtest-3	21.74	21.62	21.44	23.00	19.83	19.75	19.40	21.00
3GPP Rel 6	HSUPA Subtest-4	20.61	20.69	20.62	22.00	18.65	18.61	18.78	20.00
3GPP Rel 6	HSUPA Subtest-5	22.77	22.14	22.44	24.00	20.63	20.71	20.98	22.00

LTE Band 38 Ant 0										
BW [MHz]	Modulation on RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Turn-up limit [dBm]	MPR [dB]				
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.12	22.13	22.09	23	0		
20	QPSK	1	49	21.88	22.08	22.07				
20	QPSK	1	99	21.65	21.89	21.83				
20	QPSK	50	0	21.18	21.21	21.03				
20	QPSK	50	24	21.05	21.18	21.19	22	1		
20	QPSK	50	50	20.84	20.89	20.94				
20	16QAM	100	0	20.93	21.24	20.96				
20	16QAM	1	0	21.23	21.20	21.01				
20	16QAM	1	49	20.93	21.02	20.86	22	1		
20	16QAM	1	99	20.96	20.96	21.23				
20	16QAM	50	0	20.08	20.12	20.20				
20	16QAM	50	24	20.36	20.28	20.35				
20	16QAM	50	50	20.28	20.12	20.21	21	2		
20	16QAM	100	0	20.07	19.97	19.90				
20	64QAM	1	0	20.17	20.04	20.14				
20	64QAM	1	49	19.99	19.97	20.04				
20	64QAM	50	0	19.93	19.87	20.12	21	2		
20	64QAM	50	24	19.32	19.27	19.47				
20	64QAM	50	50	19.12	19.06	19.01				
20	64QAM	100	0	19.25	19.36	19.35				
20	256QAM	1	0	18.94	17.09	17.09	18	5		
20	256QAM	1	49	18.99	16.93	16.83				
20	256QAM	1	99	18.97	17.21	17.04				
20	256QAM	50	0	18.92	16.92	16.92				
20	256QAM	50	24	17.13	16.91	17.18	18	5		
20	256QAM	50	49	17.05	16.93	16.93				
20	256QAM	100	0	16.92	16.82	17.07				
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.02	22.05	22.02	23	0		
15	QPSK	1	37	21.75	21.84	22.09				
15	QPSK	1	74	21.51	21.61	21.82				
15	QPSK	36	0	21.12	21.22	21.05				
15	QPSK	36	20	20.92	21.10	21.00	22	1		
15	QPSK	36	39	20.85	20.79	20.85				
15	QPSK	75	0	20.88	21.24	20.79				
15	16QAM	1	0	21.09	21.03	20.98				
15	16QAM	1	37	20.87	20.91	20.87	22	1		
15	16QAM	1	74	20.81	20.74	21.05				
15	16QAM	36	0	19.97	19.93	20.13				
15	16QAM	36	39	19.97	19.91	20.12				
15	16QAM	36	39	20.14	20.08	20.19	21	2		
15	16QAM	75	0	20.09	19.87	19.91				
15	16QAM	1	0	19.99	19.99	20.12				
15	64QAM	1	37	19.84	19.77	19.94				
15	64QAM	1	74	19.82	19.76	19.94	21	2		
15	64QAM	36	0	19.21	19.10	19.31				
15	64QAM	36	39	19.21	19.16	19.33				
15	64QAM	75	0	19.21	19.29	19.34				
15	256QAM	1	0	18.89	17.10	16.88	18	5		
15	256QAM	1	37	18.94	16.86	16.93				
15	256QAM	1	74	18.94	16.82	16.80				
15	256QAM	36	0	18.85	16.75	16.87				
15	256QAM	36	39	18.85	16.75	16.87	18	5		
15	256QAM	75	0	18.93	16.66	17.03				
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.10	21.98	21.93	23	0		
10	QPSK	1	25	21.86	22.06	22.05				
10	QPSK	1	49	21.60	21.86	21.69				
10	QPSK	25	0	20.97	21.01	20.95				
10	QPSK	25	0	20.97	21.01	20.95	22	1		
10	QPSK	25	25	20.76	20.75	20.78				
10	QPSK	50	0	20.82	21.16	20.78				
10	16QAM	1	25	20.97	21.09	20.95				
10	16QAM	1	25	20.73	20.92	20.81	22	1		
10	16QAM	1	49	20.88	20.75	21.21				
10	16QAM	1	25	20.09	20.13	20.13				
10	16QAM	25	12	20.32	20.08	20.36				
10	16QAM	25	25	20.20	20.07	20.20	21	2		
10	16QAM	50	0	19.91	19.82	19.80				
10	64QAM	1	0	20.12	20.03	20.01				
10	64QAM	1	25	19.95	19.88	19.84				
10	64QAM	1	49	19.86	19.80	19.97	21	2		
10	64QAM	25	0	19.16	19.15	19.31				
10	64QAM	25	12	19.04	19.23	19.39				
10	64QAM	25	25	19.09	19.89	19.95				
10	64QAM	50	0	19.25	19.19	19.14	20	3		
10	256QAM	1	0	16.91	17.10	16.95				
10	256QAM	1	25	16.87	16.71	16.94				
10	256QAM	1	49	17.13	17.06	16.93				
10	256QAM	25	0	16.83	16.63	16.82	18	5		
10	256QAM	25	12	17.03	16.75	17.03				
10	256QAM	25	25	16.87	16.78	16.82				
10	256QAM	50	0	16.90	16.74	16.94				
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.10	21.98	21.93	23	0		
5	QPSK	1	12	21.70	22.06	21.94				
5	QPSK	1	24	21.77	21.80	21.80				
5	QPSK	12	0	21.14	21.19	20.94				
5	QPSK	12	7	20.99	20.98	21.14	22	1		
5	QPSK	12	13	20.71	20.88	20.73				
5	QPSK	25	0	20.92	21.21	20.83				
5	16QAM	1	0	21.12	20.98	20.95				
5	16QAM	1	12	20.77	20.85	20.81	22	1		
5	16QAM	1	24	20.95	20.74	21.02				
5	16QAM	12	0	19.94	19.97	20.20				
5	16QAM	12	7	20.19	20.18	20.14				
5	16QAM	12	13	20.06	20.09	20.07	21	2		
5	16QAM	25	0	19.14	19.25	19.33				
5	16QAM	25	0	19.94	19.97	19.83				
5	64QAM	1	0	20.07	20.01	20.10				
5	64QAM	1	12	19.92	19.77	19.83	21	2		
5	64QAM	1	24	19.77	19.80	20.03				
5	64QAM	12	0	19.17	19.12	19.26				
5	64QAM	12	13	19.14	19.25	19.33				
5	64QAM	12	13	18.90	18.89	18.91	20	3		
5	64QAM	25	0	19.15	19.35	19.18				
5	256QAM	1	0	16.93	16.95	17.04				
5	256QAM	1	12	16.81	16.90	16.84				
5	256QAM	1	24	17.02	17.00	16.93	18	5		
5	256QAM	12	0	16.93	16.83	16.92				
5	256QAM	12	7	17.10	16.86	17.12				
5	256QAM	12	13	16.96	16.93	16.81				

WCDMA

Band	WCDMA R Ant 1				Tune-up Limit (dBm)	WCDMA IV Ant 1				Tune-up Limit (dBm)	WCDMA V Ant 1				Tune-up Limit (dBm)
	Tx Channel	9602	9600	9638		1312	1413	1513	1613		1712	4132	4142	4223	
Rx Channel		9602	9600	9638		1537	1638	1738	1838	4357	4407	4458	4558		
Frequency (MHz)		1822.4	1860	1907.6		1712.4	1752.6	1792.6	1832.6	826.4	836.4	846.6	856.6		
SCPP Rel 99	AMA 12.2Kbps	23.17	23.21	23.11	24.00	23.09	23.15	23.01	24.00	23.76	23.91	23.85	23.95		
SCPP Rel 99	RMC 12.2Kbps	23.21	23.25	23.16	24.00	23.14	23.20	23.06	24.00	23.81	23.98	23.88	23.98		
SCPP Rel 6	HSDPA Subtest-1	22.19	22.29	22.27	23.00	22.13	22.15	22.21	23.00	22.87	23.04	22.76	23.00		
SCPP Rel 6	HSDPA Subtest-2	22.25	22.35	22.34	23.00	22.28	22.30	22.11	23.00	22.90	22.85	22.92	23.00		
SCPP Rel 6	HSDPA Subtest-3	21.79	21.83	21.65	22.50	21.81	21.84	21.73	22.50	22.26	22.44	22.36	22.50		
SCPP Rel 6	HSDPA Subtest-4	21.68	21.77	21.77	22.50	21.70	21.86	21.59	22.50	22.40	22.41	22.37	23.50		
SCPP Rel 6	HSUPA Subtest-1	22.20	22.20	22.21	23.00	22.11	22.17	22.11	23.00	22.89	22.98	22.80	23.00		
SCPP Rel 6	HSUPA Subtest-2	20.31	20.23	20.15	21.00	20.32	20.18	20.10	21.00	20.84	21.07	20.88	21.00		
SCPP Rel 6	HSUPA Subtest-3	21.30	21.21	21.11	22.00	21.27	21.37	21.14	22.00	21.70	21.89	21.81	23.00		
SCPP Rel 6	HSUPA Subtest-4	20.15	20.14	20.27	21.00	20.11	20.19	20.14	21.00	20.84	21.08	20.88	21.00		
SCPP Rel 6	HSUPA Subtest-5	22.11	22.35	22.13	23.00	22.15	22.27	22.25	23.00	22.81	22.96	22.89	24.00		

LTE Band 7 Other PA Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)			
Channel				2050	2100	2150					
Frequency (MHz)											
20	QPSK	1	0	22.93	23.07	23.05	24	0			
20	QPSK	1	49	22.84	22.86	23.03					
20	QPSK	1	99	22.87	22.90	22.91					
20	QPSK	50	0	21.86	22.05	22.01	23	1			
20	QPSK	50	24	21.82	21.87	21.81					
20	QPSK	50	39	21.83	22.02	21.88					
20	QPSK	100	0	21.88	22.00	21.99	23	1			
20	16QAM	1	0	22.02	21.91	21.86					
20	16QAM	1	49	21.84	21.97	21.90					
20	16QAM	1	99	22.01	21.88	21.96	22	2			
20	16QAM	50	0	20.84	21.00	21.01					
20	16QAM	50	24	21.01	20.86	20.93					
20	16QAM	50	50	20.97	20.99	20.93	22	2			
20	16QAM	100	0	20.90	20.98	20.88					
20	64QAM	1	0	21.05	21.05	20.89					
20	64QAM	1	49	21.05	20.89	20.98	22	2			
20	64QAM	1	99	20.89	20.89	20.98					
20	64QAM	50	0	20.03	19.97	19.98					
20	64QAM	50	24	19.88	19.85	19.86	21	3			
20	64QAM	50	50	19.87	19.89	19.85					
20	64QAM	100	0	19.86	19.86	19.84					
20	256QAM	1	0	17.80	17.95	17.78	19	5			
20	256QAM	1	49	17.80	17.87	17.84					
20	256QAM	1	99	17.91	17.91	17.79					
20	256QAM	50	0	17.93	17.75	17.82	19	5			
20	256QAM	50	24	17.85	17.91	17.83					
20	256QAM	50	50	17.75	17.95	17.87					
20	256QAM	100	0	17.74	17.92	17.84					
Channel				2507.5	2530	2552.5					
Frequency (MHz)											
15	QPSK	1	0	22.72	22.88	23.05	24	0			
15	QPSK	1	31	22.72	22.74	22.84					
15	QPSK	1	74	22.75	22.83	22.83					
15	QPSK	36	0	21.65	22.07	22.02	23	1			
15	QPSK	36	29	21.78	21.91	21.81					
15	QPSK	36	39	21.63	21.95	21.89					
15	QPSK	75	0	21.91	21.97	21.96	23	1			
15	16QAM	1	0	22.03	21.73	21.83					
15	16QAM	1	37	21.84	21.79	21.79					
15	16QAM	1	74	21.96	21.89	21.85	22	2			
15	16QAM	36	0	20.63	20.84	20.85					
15	16QAM	36	20	20.81	20.78	20.80					
15	16QAM	36	39	20.91	20.84	20.85	22	2			
15	16QAM	75	0	20.70	20.98	20.83					
15	64QAM	1	0	20.84	20.99	20.86					
15	64QAM	1	37	20.97	20.83	20.79	21	3			
15	64QAM	1	74	20.71	20.87	20.81					
15	64QAM	36	0	19.98	19.83	19.83					
15	64QAM	36	20	19.84	19.75	19.84	19	5			
15	64QAM	36	39	19.78	19.80	19.74					
15	64QAM	75	0	19.85	19.74	19.89					
15	256QAM	1	0	17.76	17.77	17.87	19	5			
15	256QAM	1	37	17.78	17.83	17.73					
15	256QAM	1	74	17.89	17.78	17.71					
15	256QAM	36	0	17.80	17.97	17.72	19	5			
15	256QAM	36	20	17.79	17.75	17.78					
15	256QAM	36	39	17.68	17.82	17.69					
15	256QAM	75	0	17.53	17.81	17.78					
Channel				2507.5	2530	2552.5					
Frequency (MHz)											
10	QPSK	1	0	22.86	22.90	22.92	24	0			
10	QPSK	1	25	22.67	22.87	22.87					
10	QPSK	1	49	22.87	22.78	22.69					
10	QPSK	25	0	21.85	21.93	21.90	23	1			
10	QPSK	25	12	21.81	21.77	21.93					
10	QPSK	25	25	21.82	21.88	21.89					
10	QPSK	50	0	21.84	21.78	21.82	23	1			
10	16QAM	1	0	22.01	21.75	21.89					
10	16QAM	1	25	21.70	21.87	21.70					
10	16QAM	1	49	22.03	21.86	21.78	22	2			
10	16QAM	25	0	20.85	20.91	20.91					
10	16QAM	25	12	20.95	20.81	20.88					
10	16QAM	25	25	20.92	20.98	20.86	22	2			
10	16QAM	50	0	20.75	20.87	20.67					
10	64QAM	1	0	20.98	20.84	20.69					
10	64QAM	1	25	21.02	20.76	20.75	22	2			
10	64QAM	1	49	20.87	20.74	20.91					
10	64QAM	25	0	20.03	19.79	19.98					
10	64QAM	25	12	19.87	19.85	19.83	21	3			
10	64QAM	25	25	19.87	19.86	19.86					
10	64QAM	50	0	19.72	19.77	19.74					
10	256QAM	1	0	17.80	17.82	17.83	19	5			
10	256QAM	1	25	17.70	17.84	17.78					
10	256QAM	1	49	17.80	17.90	17.75					
10	256QAM	25	0	17.73	17.62	17.62	19	5			
10	256QAM	25	12	17.77	17.85	17.81					
10	256QAM	25	25	17.76	17.90	17.70					
10	256QAM	50	0	17.68	17.75	17.78					
Channel				2077.5	2100	2122.5					
Frequency (MHz)											
5	QPSK	1	0	22.88	22.98	22.95	24	0			
5	QPSK	1	12	22.85	22.66	22.94					
5	QPSK	1	24	22.86	22.76	22.85					
5	QPSK	12	0	21.84	21.90	21.99	23	1			
5	QPSK	12	7	21.63	21.91	21.86					
5	QPSK	12	13	21.72	22.01	21.82					
5	QPSK	25	0	21.78	21.87	21.85	23	1			
5	16QAM	1	0	21.93	21.82	21.70					
5	16QAM	1	12	21.63	21.96	21.89					
5	16QAM	1	24	21.80	21.79	21.97	22	2			
5	16QAM	12	0	20.73	20.80	20.82					
5	16QAM	12	7	20.80	20.70	20.84					
5	16QAM	12	13	20.93	20.80	20.80	22	2			
5	16QAM	25	0	20.81	20.84	20.88					
5	64QAM	1	0	20.99	20.91	20.71					
5	64QAM	1	12	20.85	20.75	20.80	22	2			
5	64QAM	1	24	20.85	20.81	20.89					
5	64QAM	12	0	19.86	19.95	19.77					
5	64QAM	12	7	19.73	19.81	19.78	21	3			
5	64QAM	12	13	19.68	19.74	19.84					
5	64QAM	25	0	19.77	19.86	19.91					
5	256QAM	1	0	17.84	17.75	17.69	19	5			
5	256QAM	1	12	17.69	17.79	17.82					
5	256QAM	1	24	17.91	17.70	17.71					
5	256QAM	12	0	17.81	17.66	17.71	19	5			
5	256QAM	12	7	17.65	17.87	17.70					
5	256QAM	12	13	17.67	17.81	17.67					
5	256QAM	25	0	17.62	17.88	17.77					

LTE Band 30 Other PA Ant 2									
BW (MHz)	Modulation Channel	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	22.43	22.43	22.43	24	0	
15	QPSK	1	25	22.25	22.25	22.25		2	
15	QPSK	1	49	22.08	22.08	22.08		23	
15	QPSK	25	0	21.60	21.60	21.60	23	0	
15	QPSK	25	12	21.42	21.42	21.42		2	
15	QPSK	25	25	21.25	21.25	21.25		23	
15	QPSK	50	0	21.50	21.50	21.50	23	1	
15	QPSK	50	12	21.41	21.41	21.41		2	
15	QPSK	50	25	21.50	21.50	21.50		23	
15	16QAM	1	49	21.60	21.60	21.60	22	2	
15	16QAM	25	12	20.33	20.33	20.33		2	
15	16QAM	25	25	20.60	20.60	20.60		23	
15	16QAM	50	12	20.33	20.33	20.33	22	2	
15	16QAM	50	25	20.60	20.60	20.60		23	
15	16QAM	1	0	20.41	20.41	20.41		22	2
15	16QAM	1	25	20.49	20.49	20.49	21	3	
15	16QAM	25	0	19.44	19.44	19.44		2	
15	16QAM	25	12	19.31	19.31	19.31		23	
15	16QAM	50	0	19.52	19.52	19.52	19	5	
15	16QAM	50	12	19.31	19.31	19.31		2	
15	16QAM	50	25	19.44	19.44	19.44		23	
15	256QAM	1	0	17.31	17.31	17.31	19	5	
15	256QAM	25	0	17.31	17.31	17.31		2	
15	256QAM	25	12	17.45	17.45	17.45		23	
15	256QAM	25	25	17.31	17.31	17.31	19	5	
15	256QAM	50	0	17.42	17.42	17.42		2	
15	256QAM	50	12	17.42	17.42	17.42		23	
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.25	22.32	22.25	24	0	
5	QPSK	1	12	22.17	22.29	22.25		2	
5	QPSK	1	24	22.08	22.23	22.32		23	
5	QPSK	12	0	21.46	21.38	21.59	23	1	
5	QPSK	12	7	21.52	21.61	21.49		2	
5	QPSK	12	14	21.39	21.47	21.52		23	
5	QPSK	25	0	21.51	21.34	21.53	23	1	
5	16QAM	1	0	21.38	21.33	21.39		2	
5	16QAM	1	12	21.44	21.41	21.44		23	
5	16QAM	1	24	21.65	21.61	21.26	22	2	
5	16QAM	12	0	20.50	20.39	20.38		2	
5	16QAM	12	7	20.78	20.72	20.63		23	
5	16QAM	12	13	20.45	20.48	20.62	21	3	
5	16QAM	25	0	20.51	20.40	20.43		2	
5	16QAM	25	12	20.41	20.41	20.30		23	
5	16QAM	1	12	20.33	20.42	20.39	21	3	
5	16QAM	1	24	20.20	20.29	20.20		2	
5	16QAM	12	7	19.23	19.33	19.38		23	
5	16QAM	12	7	19.25	19.36	19.21	19	5	
5	16QAM	12	13	18.18	19.20	19.32		2	
5	16QAM	25	0	18.43	18.43	18.41		23	
5	256QAM	1	12	17.18	17.26	17.26	19	5	
5	256QAM	1	24	17.05	17.32	17.48		2	
5	256QAM	12	0	17.25	17.32	17.25		23	
5	256QAM	12	7	17.25	17.41	17.31	19	5	
5	256QAM	12	13	17.21	17.26	17.41		2	
5	256QAM	25	0	17.31	17.31	17.31		23	

FR1 n2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	22.90	22.91	22.87	24.0	0.0
20	PI/2 BPSK	1	53	22.85	22.68	22.57	24.0	0.0
20	PI/2 BPSK	1	104	22.76	22.79	22.69	24.0	0.0
20	PI/2 BPSK	50	0	22.64	22.81	22.82	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.82	22.82	24.0	0.0
20	PI/2 BPSK	50	56	22.80	22.90	22.80	24.0	0.0
20	PI/2 BPSK	100	0	22.75	22.85	22.92	24.0	0.0
20	QPSK	1	1	22.97	23.04	23.02	24.0	0.0
20	QPSK	1	53	22.87	22.89	22.75	24.0	0.0
20	QPSK	1	104	22.85	22.88	22.82	24.0	0.0
20	QPSK	50	0	22.85	22.88	22.92	24.0	0.0
20	QPSK	50	28	22.86	22.92	22.90	24.0	0.0
20	QPSK	50	56	22.86	22.91	22.82	24.0	0.0
20	QPSK	100	0	22.76	22.85	22.92	24.0	0.0
20	16QAM	1	1	22.92	23.02	23.01	24.0	0.0
20	64QAM	1	1	21.55	21.72	21.70	22.5	1.5
20	256QAM	1	1	19.64	19.70	19.66	20.5	3.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.93	22.98	23.02	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.76	22.88	22.83	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.83	22.89	22.81	24.0	0.0

Full & Default Power

FR1 n7 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.55	22.72	22.75	24.0	0.0
40	PI/2 BPSK	1	108	22.44	22.77	22.69	24.0	0.0
40	PI/2 BPSK	1	214	22.72	22.62	22.53	24.0	0.0
40	PI/2 BPSK	108	0	22.73	22.70	22.51	24.0	0.0
40	PI/2 BPSK	108	54	22.45	22.67	22.52	24.0	0.0
40	PI/2 BPSK	108	108	22.33	22.82	22.81	24.0	0.0
40	PI/2 BPSK	216	0	22.56	22.75	22.61	24.0	0.0
40	QPSK	1	1	22.73	22.84	22.81	24.0	0.0
40	QPSK	1	108	22.61	22.78	22.69	24.0	0.0
40	QPSK	1	214	22.72	22.76	22.58	24.0	0.0
40	QPSK	108	0	22.73	22.70	22.60	24.0	0.0
40	QPSK	108	54	22.55	22.83	22.52	24.0	0.0
40	QPSK	108	108	22.52	22.79	22.70	24.0	0.0
40	QPSK	216	0	22.56	22.81	22.67	24.0	0.0
40	16QAM	1	1	22.86	22.67	22.62	24.0	0.0
40	64QAM	1	1	21.32	21.31	21.31	22.5	1.5
40	256QAM	1	1	19.22	19.28	19.22	20.5	3.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.72	22.79	22.77	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.59	22.67	22.71	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.52	22.66	22.75	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.79	22.69	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.59	22.68	22.60	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.61	22.75	22.71	24.0	0.0

FR1 n25 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.96	22.97	22.74	24.0	0.0
40	PI/2 BPSK	1	108	22.87	22.80	22.65	24.0	0.0
40	PI/2 BPSK	1	214	22.75	22.82	22.79	24.0	0.0
40	PI/2 BPSK	108	0	22.82	22.87	22.76	24.0	0.0
40	PI/2 BPSK	108	54	22.80	22.80	22.79	24.0	0.0
40	PI/2 BPSK	108	108	22.74	22.69	22.80	24.0	0.0
40	PI/2 BPSK	216	0	22.67	22.98	22.65	24.0	0.0
40	QPSK	1	1	22.97	23.02	22.95	24.0	0.0
40	QPSK	1	108	22.95	22.86	22.81	24.0	0.0
40	QPSK	1	214	22.84	22.81	22.78	24.0	0.0
40	QPSK	108	0	22.80	22.94	22.80	24.0	0.0
40	QPSK	108	54	22.88	22.95	22.83	24.0	0.0
40	QPSK	108	108	22.93	22.81	22.84	24.0	0.0
40	QPSK	216	0	22.76	22.99	22.78	24.0	0.0
40	16QAM	1	1	22.95	22.78	22.77	24.0	0.0
40	64QAM	1	1	21.41	21.48	21.20	22.5	1.5
40	256QAM	1	1	19.54	19.42	19.27	20.5	3.5
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.90	22.89	22.94	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.76	22.98	22.74	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.81	22.99	22.94	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.87	22.95	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	23.01	22.84	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.98	22.91	22.74	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.89	22.94	22.87	24.0	0.0

FR1 n30 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				2310				
Frequency (MHz)								
10	PI/2 BPSK	1	1	22.62			24.0	0.0
10	PI/2 BPSK	1	26	22.62				
10	PI/2 BPSK	1	50	22.56				
10	PI/2 BPSK	25	0	22.80			24.0	0.0
10	PI/2 BPSK	25	14	22.70			24.0	0.0
10	PI/2 BPSK	25	27	22.51			24.0	0.0
10	PI/2 BPSK	50	0	22.66			24.0	0.0
10	QPSK	1	1	22.63				
10	QPSK	1	26	22.65				
10	QPSK	1	50	22.76			24.0	0.0
10	QPSK	25	0	22.75			24.0	0.0
10	QPSK	25	14	22.81			24.0	0.0
10	QPSK	25	27	22.69			24.0	0.0
10	QPSK	50	0	22.72			24.0	0.0
10	16QAM	1	1	22.78			24.0	0.0
10	64QAM	1	1	21.52			22.5	1.5
10	256QAM	1	1	19.35			20.5	3.5
Channel				461500	462000	462500		
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dB)	MPR (dB)
5	QPSK	1	1	22.79	22.75	22.77	24.0	0.0

FR1 n66 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000				
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	23.13	22.97	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.77	22.79	22.80		
40	PI/2 BPSK	1	214	22.61	22.81	22.77		
40	PI/2 BPSK	108	0	23.06	22.84	22.82	24.0	0.0
40	PI/2 BPSK	108	54	22.69	22.84	22.82	24.0	0.0
40	PI/2 BPSK	108	108	22.53	22.75	22.52	24.0	0.0
40	PI/2 BPSK	216	0	22.58	22.75	22.50	24.0	0.0
40	QPSK	1	1	23.12	23.15	23.11		
40	QPSK	1	108	22.84	23.00	22.79		
40	QPSK	1	214	22.81	22.93	22.88	24.0	0.0
40	QPSK	108	0	23.11	23.13	22.97	24.0	0.0
40	QPSK	108	54	22.96	23.15	22.84	24.0	0.0
40	QPSK	108	108	22.74	22.88	22.66	24.0	0.0
40	QPSK	216	0	22.64	22.73	22.59	24.0	0.0
40	16QAM	1	1	22.91	23.11	22.97	24.0	0.0
40	64QAM	1	1	21.84	21.88	21.85	22.5	1.5
40	256QAM	1	1	19.87	20.06	20.05	20.5	3.5
Channel				345500	346000	346500		
Frequency (MHz)				1727.5	1745	1762.5	Tune-up limit (dB)	MPR (dB)
35	QPSK	1	1	23.14	23.01	22.96	24.0	0.0
Channel				345000	346000	346000		
Frequency (MHz)				1725	1745	1765	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	23.02	23.04	22.92	24.0	0.0
Channel				344500	346000	346500		
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dB)	MPR (dB)
25	QPSK	1	1	23.02	23.01	22.89	24.0	0.0
Channel				344000	346000	346000		
Frequency (MHz)				1720	1745	1760	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	23.13	23.10	23.07	24.0	0.0
Channel				343500	346000	346500		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dB)	MPR (dB)
15	QPSK	1	1	22.63	22.69	23.03	24.0	0.0
Channel				343000	346000	346500		
Frequency (MHz)				1715	1745	1775	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	23.04	23.04	23.00	24.0	0.0
Channel				342500	346000	346500		
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dB)	MPR (dB)
5	QPSK	1	1	23.07	22.97	23.09	24.0	0.0

FR1 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				1850	1880	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.32	22.20	22.43			
20	PI/2 BPSK	1	53	22.30	22.21	22.33	24.0	0.0	
20	PI/2 BPSK	1	104	22.29	22.45	22.29			
20	PI/2 BPSK	50	0	22.17	22.34	22.35	24.0	0.0	
20	PI/2 BPSK	50	28	22.32	22.28	22.17	24.0	0.0	
20	PI/2 BPSK	50	56	22.30	22.36	22.43			
20	PI/2 BPSK	100	0	22.37	22.39	22.43	24.0	0.0	
20	QPSK	1	1	22.49	22.51	22.38			
20	QPSK	1	53	22.28	22.41	22.40	24.0	0.0	
20	QPSK	1	104	22.21	22.37	22.15			
20	QPSK	50	0	22.37	22.33	22.21	24.0	0.0	
20	QPSK	50	28	22.42	22.43	22.25	24.0	0.0	
20	QPSK	50	56	22.18	22.37	22.15			
20	QPSK	100	0	22.22	22.42	22.27	24.0	0.0	
20	16QAM	1	1	22.46	22.47	22.26	24.0	0.0	
20	64QAM	1	1	21.16	21.16	21.07	22.5	1.5	
20	256QAM	1	1	18.59	19.18	19.02	20.5	3.5	
Channel				314500	316100	318050	Tune-up	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit		
15	QPSK	1	1	22.38	22.47	22.17	24.0	0.0	
Channel				371000	375000	381000	Tune-up	MPR	
Frequency (MHz)				1855	1880	1905	limit		
10	QPSK	1	1	22.36	22.46	22.22	24.0	0.0	
Channel				370500	376000	381500	Tune-up	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit		
5	QPSK	1	1	22.47	22.30	22.32	24.0	0.0	

FR1 n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	23.13	23.13			
20	PI/2 BPSK	1	53	22.99	23.07	23.04	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.29	23.31			
20	PI/2 BPSK	50	0	23.20	23.12	23.02	24.0	0.0	
20	PI/2 BPSK	50	28	23.07	23.06	23.22	24.0	0.0	
20	PI/2 BPSK	50	56	23.13	23.14	23.11			
20	PI/2 BPSK	100	0	23.29	23.25	23.20	24.0	0.0	
20	QPSK	1	1	23.27	23.35	23.34			
20	QPSK	1	53	23.14	23.30	23.16	24.0	0.0	
20	QPSK	1	104	23.09	23.14	23.12			
20	QPSK	50	0	23.16	23.29	23.23	24.0	0.0	
20	QPSK	50	28	23.19	23.31	23.18	24.0	0.0	
20	QPSK	50	56	23.05	23.24	23.23			
20	QPSK	100	0	23.25	23.26	23.14	24.0	0.0	
20	16QAM	1	1	23.34	23.32	23.19	24.0	0.0	
20	64QAM	1	1	22.08	22.09	22.02	22.5	1.5	
20	256QAM	1	1	18.95	20.09	20.01	20.5	3.5	
Channel				163500	163800	163900	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit		
15	QPSK	1	1	23.14	23.26	23.16	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit		
10	QPSK	1	1	23.20	23.31	23.34	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				824.5	836.5	846.5	limit		
5	QPSK	1	1	23.27	23.33	23.19	24.0	0.0	

FR1 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				2530	2535	2550			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.83	21.84	21.92			
40	PI/2 BPSK	1	108	21.54	21.68	21.56	23.0	0.0	
40	PI/2 BPSK	1	214	21.70	21.54	21.73			
40	PI/2 BPSK	108	0	21.52	21.51	21.60	23.0	0.0	
40	PI/2 BPSK	108	54	21.55	21.53	21.46	23.0	0.0	
40	PI/2 BPSK	108	108	21.64	21.64	21.58			
40	PI/2 BPSK	216	0	21.67	21.94	21.79	23.0	0.0	
40	QPSK	1	1	21.87	22.00	21.94			
40	QPSK	1	108	21.74	21.90	21.81	23.0	0.0	
40	QPSK	1	214	21.62	21.76	21.59			
40	QPSK	108	0	21.61	21.74	21.64	23.0	0.0	
40	QPSK	108	54	21.54	21.75	21.44	23.0	0.0	
40	QPSK	108	108	21.44	21.63	21.42			
40	QPSK	216	0	21.70	21.74	21.66	23.0	0.0	
40	16QAM	1	1	21.67	21.82	21.73	23.0	0.0	
40	64QAM	1	1	20.21	20.38	20.18	21.5	1.5	
40	256QAM	1	1	18.31	18.47	18.41	19.5	3.5	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit		
30	QPSK	1	1	21.78	21.99	21.89	23.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit		
25	QPSK	1	1	21.68	21.94	21.81	23.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2550	limit		
20	QPSK	1	1	21.86	21.83	21.83	23.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit		
15	QPSK	1	1	21.72	21.94	21.73	23.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit		
10	QPSK	1	1	21.76	21.91	21.84	23.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit		
5	QPSK	1	1	21.86	21.79	21.76	23.0	0.0	

FR1 n12 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				141300	141500	141700			
Frequency (MHz)				705.5	707.5	709.5			
15	PI/2 BPSK	1	1	23.08	23.15	23.12	24.0	0.0	
15	PI/2 BPSK	1	40	22.79	23.02	23.05			
15	PI/2 BPSK	1	77	23.25	23.20	23.33			
15	PI/2 BPSK	36	0	23.12	22.93	23.03	24.0	0.0	
15	PI/2 BPSK	36	22	22.85	22.90	23.00	24.0	0.0	
15	PI/2 BPSK	36	43	22.93	22.97	23.10	24.0	0.0	
15	PI/2 BPSK	75	0	23.30	23.25	22.98	24.0	0.0	
15	QPSK	1	1	23.31	23.39	23.24	24.0	0.0	
15	QPSK	1	40	23.07	23.20	23.13			
15	QPSK	1	77	23.09	23.13	22.96			
15	QPSK	36	0	23.03	23.18	23.18	24.0	0.0	
15	QPSK	36	22	22.91	23.19	23.10	24.0	0.0	
15	QPSK	36	43	22.97	23.07	23.09	24.0	0.0	
15	QPSK	75	0	23.25	23.27	22.97	24.0	0.0	
15	16QAM	1	1	23.30	23.29	23.10	24.0	0.0	
15	64QAM	1	1	22.01	21.87	21.82	22.5	1.5	
15	256QAM	1	1	19.81	20.09	19.82	20.5	3.5	
Channel				140800	141500	142200	Tune-up	MPR	
Frequency (MHz)				707.5	711	715	limit	(db)	
10	QPSK	1	1	23.13	23.31	23.08	24.0	0.0	
Channel				140300	141500	142700	Tune-up	MPR	
Frequency (MHz)				701.5	707.5	713.5	limit	(db)	
5	QPSK	1	1	23.12	23.28	23.23	24.0	0.0	

FR1 n13 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				759	156400				
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.00		24.0	0.0	
10	PI/2 BPSK	1	26		23.07				
10	PI/2 BPSK	1	50		22.98				
10	PI/2 BPSK	25	0		22.97		24.0	0.0	
10	PI/2 BPSK	25	14		22.87		24.0	0.0	
10	PI/2 BPSK	25	27		22.82		24.0	0.0	
10	PI/2 BPSK	50	0		22.98		24.0	0.0	
10	QPSK	1	1		23.12		24.0	0.0	
10	QPSK	1	26		23.11				
10	QPSK	1	50		23.09				
10	QPSK	25	0		23.00		24.0	0.0	
10	QPSK	25	14		23.05		24.0	0.0	
10	QPSK	25	27		23.03		24.0	0.0	
10	QPSK	50	0		23.10		24.0	0.0	
10	16QAM	1	1		23.11		24.0	0.0	
10	64QAM	1	1		21.85		22.5	1.5	
10	256QAM	1	1		19.82		20.5	3.5	
Channel				155900	156400	156900	Tune-up	MPR	
Frequency (MHz)				779.5	782	784.5	limit	(dB)	
5	QPSK	1	1	23.07	22.91	22.92	24.0	0.0	

FR1 n14 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				793	15660				
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.13		24.0	0.0	
10	PI/2 BPSK	1	26		23.09				
10	PI/2 BPSK	1	50		23.02				
10	PI/2 BPSK	25	0		23.18		24.0	0.0	
10	PI/2 BPSK	25	14		23.18		24.0	0.0	
10	PI/2 BPSK	25	27		23.15		24.0	0.0	
10	PI/2 BPSK	50	0		23.08		24.0	0.0	
10	QPSK	1	1		23.31		24.0	0.0	
10	QPSK	1	26		23.30				
10	QPSK	1	50		23.22				
10	QPSK	25	0		23.21		24.0	0.0	
10	QPSK	25	14		23.27		24.0	0.0	
10	QPSK	25	27		23.24		24.0	0.0	
10	QPSK	50	0		23.30		24.0	0.0	
10	16QAM	1	1		23.29		24.0	0.0	
10	64QAM	1	1		21.88		22.5	1.5	
10	256QAM	1	1		19.76		20.5	3.5	
Channel				15810	15860	15910	Tune-up	MPR	
Frequency (MHz)				790.5	793	795.5	limit	(db)	
5	QPSK	1	1	23.30	23.14	23.23	24.0	0.0	

FR1 n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000 / 376500	Power Middle Ch. / Freq. 376500 / 379000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI/2 BPSK	1	1	22.16	22.32	22.22			
40	PI/2 BPSK	1	108	22.16	22.29	22.27	24.0	0.0	
40	PI/2 BPSK	1	214	22.11	22.06	22.27			
40	PI/2 BPSK	108	0	22.08	22.14	22.09	24.0	0.0	
40	PI/2 BPSK	108	54	22.13	22.06	22.27	24.0	0.0	
40	PI/2 BPSK	108	108	22.22	22.20	22.19	24.0	0.0	
40	PI/2 BPSK	216	0	22.24	22.38	22.21			
40	QPSK	1	1	22.38	22.49	22.44			
40	QPSK	1	108	22.21	22.34	22.35	24.0	0.0	
40	QPSK	1	214	22.12	22.32	22.26			
40	QPSK	108	0	22.18	22.27	22.09	24.0	0.0	
40	QPSK	108	54	22.09	22.29	22.18	24.0	0.0	
40	QPSK	108	108	22.05	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.25	22.39	22.29	24.0	0.0	
40	16QAM	1	1	22.21	22.39	22.27	24.0	0.0	
40	64QAM	1	1	20.94	21.03	21.00	22.5	1.5	
40	256QAM	1	1	18.99	19.08	18.87	20.5	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.19	22.45	22.23	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.18	22.42	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.19	22.40	22.28	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.28	22.43	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.42	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.26	22.36	22.27	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.38	22.49	22.28	24.0	0.0	

FR1 n26 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	22.93	22.94			
20	PI/2 BPSK	1	53	23.09	23.17	23.24	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.10	23.10			
20	PI/2 BPSK	50	0	23.13	23.09	23.14	24.0	0.0	
20	PI/2 BPSK	50	28	23.19	23.14	23.29	24.0	0.0	
20	PI/2 BPSK	50	56	23.21	23.16	23.15	24.0	0.0	
20	PI/2 BPSK	100	0	23.14	23.22	23.26			
20	QPSK	1	1	23.22	23.34	23.23			
20	QPSK	1	53	22.96	23.14	23.12	24.0	0.0	
20	QPSK	1	104	23.06	23.24	23.25			
20	QPSK	50	0	23.08	23.23	23.01	24.0	0.0	
20	QPSK	50	28	23.23	23.31	23.11	24.0	0.0	
20	QPSK	50	56	23.11	23.29	23.19			
20	QPSK	100	0	23.16	23.30	23.15	24.0	0.0	
20	16QAM	1	1	23.32	23.32	23.18	24.0	0.0	
20	64QAM	1	1	21.84	21.92	21.91	22.5	1.5	
20	256QAM	1	1	19.86	19.91	19.70	20.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.15	23.15	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.25	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.17	23.22	23.13	24.0	0.0	

FR1 n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1		22.21				
10	PI/2 BPSK	1	26		22.15		23.0	0.0	
10	PI/2 BPSK	1	50		22.07				
10	PI/2 BPSK	25	0		21.92		23.0	0.0	
10	PI/2 BPSK	25	14		21.81		23.0	0.0	
10	PI/2 BPSK	25	27		21.96		23.0	0.0	
10	PI/2 BPSK	50	0		22.01				
10	QPSK	1	1		22.25				
10	QPSK	1	26		22.22		23.0	0.0	
10	QPSK	1	50		22.23				
10	QPSK	25	0		22.03		23.0	0.0	
10	QPSK	25	14		22.10		23.0	0.0	
10	QPSK	25	27		22.09		23.0	0.0	
10	QPSK	50	0		22.01		23.0	0.0	
10	16QAM	1	1		22.12		23.0	0.0	
10	64QAM	1	1		20.84		21.5	1.5	
10	256QAM	1	1		18.65		19.5	3.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.20	22.14	22.09	23.0	0.0	

FR1 n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Low 1745	Middle Ch. / Freq. 349000	High Ch. / Freq. 355000		
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.03	22.08	22.03			
40	PI/2 BPSK	1	108	22.01	22.09	22.07	24.0	0.0	
40	PI/2 BPSK	1	214	22.32	22.39	22.36			
40	PI/2 BPSK	108	0	22.20	22.23	22.18	24.0	0.0	
40	PI/2 BPSK	108	54	22.09	22.11	22.12	24.0	0.0	
40	PI/2 BPSK	108	108	22.11	22.32	22.33	24.0	0.0	
40	PI/2 BPSK	216	0	22.37	22.24	22.29			
40	QPSK	1	1	22.44	22.45	22.24			
40	QPSK	1	108	22.20	22.19	22.05	24.0	0.0	
40	QPSK	1	214	22.02	22.15	22.03			
40	QPSK	108	0	22.27	22.24	22.37	24.0	0.0	
40	QPSK	108	54	22.25	22.35	22.25	24.0	0.0	
40	QPSK	108	108	22.12	22.22	22.13	24.0	0.0	
40	QPSK	216	0	22.26	22.32	22.28			
40	16QAM	1	1	22.35	22.44	22.41	24.0	0.0	
40	64QAM	1	1	21.06	21.11	21.02	22.5	1.5	
40	256QAM	1	1	19.08	19.23	19.18	20.5	3.5	
Channel				345500	349000	352500			
Frequency (MHz)				1727.5	1745	1762.5	limit		
35	QPSK	1	1	22.23	22.40	22.05	24.0	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765	limit		
30	QPSK	1	1	22.44	22.25	22.07	24.0	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5	limit		
25	QPSK	1	1	22.30	22.37	22.15	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770	limit		
20	QPSK	1	1	22.30	22.26	22.07	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5	limit		
15	QPSK	1	1	22.36	22.26	22.21	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775	limit		
10	QPSK	1	1	22.43	22.25	22.21	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5	limit		
5	QPSK	1	1	22.22	22.43	22.16	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 134600	Middle Ch. / Freq. 136100	High Ch. / Freq. 137600			
Channel				673	680.5	688			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.88	22.92	23.03			
20	PI/2 BPSK	1	53	22.49	22.75	22.84	24.0	0.0	
20	PI/2 BPSK	1	104	22.97	22.94	23.12			
20	PI/2 BPSK	50	0	22.82	22.77	22.81	24.0	0.0	
20	PI/2 BPSK	50	28	22.54	22.81	22.74	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.74	22.89	24.0	0.0	
20	PI/2 BPSK	100	0	23.04	22.96	22.92			
20	QPSK	1	1	23.17	23.22	23.18			
20	QPSK	1	53	23.07	23.01	23.10	24.0	0.0	
20	QPSK	1	104	23.10	22.82	22.81			
20	QPSK	50	0	23.04	23.05	23.10	24.0	0.0	
20	QPSK	50	28	22.81	23.12	22.81	24.0	0.0	
20	QPSK	50	56	22.78	23.07	23.00	24.0	0.0	
20	QPSK	100	0	23.14	23.15	22.97			
20	16QAM	1	1	23.17	23.21	22.99	24.0	0.0	
20	64QAM	1	1	22.02	21.82	21.71	22.5	1.5	
20	256QAM	1	1	19.68	20.08	19.68	20.5	3.5	
Channel				134100	135100	136100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	23.00	23.08	23.03	24.0	0.0	
Channel				133500	135100	136600	Tune-up	MPR	
Frequency (MHz)				665	680.5	693	limit	(dB)	
10	QPSK	1	1	22.99	22.94	23.09	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.92	23.04	23.06	24.0	0.0	

FR1 n30 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				462000			24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	23.01				
10	PI/2 BPSK	1	26	22.79				
10	PI/2 BPSK	1	50	22.84				
10	PI/2 BPSK	25	0	22.87				
10	PI/2 BPSK	25	14	22.86				
10	PI/2 BPSK	25	27	22.70				
10	PI/2 BPSK	50	0	22.77				
10	QPSK	1	1	23.08				
10	QPSK	1	26	22.94				
10	QPSK	1	50	23.05				
10	QPSK	25	0	22.87				
10	QPSK	25	14	22.90				
10	QPSK	25	27	22.87				
10	QPSK	50	0	22.92				
10	16QAM	1	1	23.05				
10	64QAM	1	1	21.79				
10	256QAM	1	1	19.55				
Channel				461500	462000	462500	20.5	3.5
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit	MPR (dB)
5	QPSK	1	1	22.88	23.00	23.07	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2500	2505	2500		
Frequency (MHz)								
40	PI/2 BPSK	1	1	21.65	21.80	21.75		
40	PI/2 BPSK	1	53	21.94	21.94	21.89	23.0	0.0
40	PI/2 BPSK	1	104	22.03	22.09	21.90		
40	PI/2 BPSK	50	0	21.21	21.36	21.34	22.5	0.5
40	PI/2 BPSK	50	28	21.62	21.79	21.81	23.0	0.0
40	PI/2 BPSK	50	56	21.49	21.58	21.54		
40	PI/2 BPSK	100	0	21.37	21.51	21.32	22.5	0.5
40	QPSK	1	1	22.11	22.16	22.12		
40	QPSK	1	53	21.94	22.10	21.98	23.0	0.0
40	QPSK	1	104	21.66	21.89	21.84		
40	QPSK	50	0	20.94	20.93	20.81	22.0	1.0
40	QPSK	50	28	21.73	21.80	21.74	23.0	0.0
40	QPSK	50	56	21.02	21.14	21.01		
40	QPSK	100	0	20.77	20.89	20.79	22.0	1.0
40	16QAM	1	1	20.82	20.87	20.70	22.0	1.0
40	64QAM	1	1	19.22	19.23	19.12	20.5	2.5
40	256QAM	1	1	17.33	17.37	17.32	18.5	4.5
Channel				515000	516000	520000	Tune-up	MPR
Frequency (MHz)				2585	2595	2605	limit	(dB)
30	QPSK	1	1	22.01	22.09	21.91	23.0	0.0
Channel				516000	519000	522000	Tune-up	MPR
Frequency (MHz)				2590	2595	2610	limit	(dB)
20	QPSK	1	1	22.11	22.12	22.02	23.0	0.0
Channel				515500	519000	525500	Tune-up	MPR
Frequency (MHz)				2571.5	2595	2612.5	limit	(dB)
15	QPSK	1	1	22.08	22.13	22.13	23.0	0.0
Channel				515000	519000	523000	Tune-up	MPR
Frequency (MHz)				2575	2595	2615	limit	(dB)
10	QPSK	1	1	22.06	22.10	22.10	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				250020	518598	528000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.37	21.48	21.49		
100	PI/2 BPSK	1	137	21.34	21.38	21.29	23.0	0.0
100	PI/2 BPSK	1	271	21.33	21.45	21.26		
100	PI/2 BPSK	135	0	21.28	21.37	21.16	23.0	0.0
100	PI/2 BPSK	135	69	21.17	21.33	21.15	23.0	0.0
100	PI/2 BPSK	135	138	21.19	21.34	21.31		
100	PI/2 BPSK	270	0	21.26	21.33	21.15	23.0	0.0
100	QPSK	1	1	21.45	21.56	21.52		
100	QPSK	1	137	21.34	21.42	21.34	23.0	0.0
100	QPSK	1	271	21.24	21.44	21.44		
100	QPSK	135	0	21.15	21.31	21.24	23.0	0.0
100	QPSK	135	69	21.42	21.45	21.45	23.0	0.0
100	QPSK	135	138	21.38	21.37	21.16	23.0	0.0
100	QPSK	270	0	21.13	21.29	21.08		
100	16QAM	1	1	21.21	21.38	21.24	23.0	0.0
100	64QAM	1	1	21.44	21.51	21.50	23.0	0.0
100	256QAM	1	1	19.96	19.94	19.90	21.5	1.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	21.34	21.39	21.31	23.0	0.0
Channel				507204	518598	529996	Tune-up	MPR
Frequency (MHz)				2636.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	21.23	21.47	21.44	23.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	21.31	21.50	21.39	23.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2598	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	21.28	21.35	21.34	23.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	21.12	21.43	21.33	23.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	21.24	21.48	21.43	23.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	21.38	21.44	21.32	23.0	0.0
Channel				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	21.35	21.48	21.31	23.0	0.0
Channel				500700	518598	535496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	21.24	21.43	21.37	23.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2686	limit	(dB)
10	QPSK	1	1	21.28	21.38	21.35	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.45	24.59	24.21		
100	PI/2 BPSK	1	137	24.37	24.61	24.34	26.0	0.0
100	PI/2 BPSK	1	271	24.48	24.63	24.14		
100	PI/2 BPSK	135	0	24.12	24.31	23.84	25.5	0.5
100	PI/2 BPSK	135	69	24.50	24.58	24.27	26.0	0.0
100	PI/2 BPSK	135	138	24.00	24.23	23.78		
100	PI/2 BPSK	270	0	23.95	24.21	23.73	25.5	0.5
100	QPSK	1	1	24.53	24.71	24.33		
100	QPSK	1	137	24.32	24.59	24.35	26.0	0.0
100	QPSK	1	271	24.32	24.53	24.20		
100	QPSK	135	0	23.48	23.63	23.32	25.0	1.0
100	QPSK	135	69	24.43	24.61	24.34	26.0	0.0
100	QPSK	135	138	23.58	23.72	23.31		
100	QPSK	270	0	23.54	23.71	23.36	25.0	1.0
100	16QAM	1	1	23.61	23.66	23.40	25.0	1.0
100	64QAM	1	1	22.04	22.24	21.72	23.5	2.5
100	256QAM	1	1	19.96	20.22	19.94	21.5	4.5
Channel				508200	518598	528996	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	24.51	24.62	24.29	26.0	0.0
Channel				507204	518598	529996	Tune-up	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	24.44	24.66	24.25	26.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	24.38	24.61	24.28	26.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2598	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	24.38	24.59	24.12	26.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	24.45	24.40	24.33	26.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	24.43	24.61	24.16	26.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	24.49	24.59	24.18	26.0	0.0
Channel				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	24.46	24.66	24.14	26.0	0.0
Channel				500700	518598	535496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	24.33	24.70	24.22	26.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2686	limit	(dB)
10	QPSK	1	1	24.37	24.58	24.18	26.0	0.0

FR1 n38 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 520000	Tune-up limit first offset	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.85	22.97	22.83	24.0	0.0	0.0
40	PV2 BPSK	1	53	22.79	23.00	22.91			
40	PV2 BPSK	1	104	22.97	23.06	22.91			
40	PV2 BPSK	50	0	22.30	22.44	22.42	23.5	0.5	0.0
40	PV2 BPSK	50	26	22.91	22.96	22.82	24.0	0.0	0.0
40	PV2 BPSK	50	96	22.46	22.50	22.46	23.5	0.5	0.0
40	PV2 BPSK	100	0	22.34	22.41	22.29	24.0	0.0	0.0
40	QPSK	1	1	23.06	23.09	23.01	24.0	0.0	0.0
40	QPSK	1	53	23.06	23.06	23.06	24.0	0.0	0.0
40	QPSK	1	104	22.89	22.99	22.86	24.0	0.0	0.0
40	QPSK	50	0	21.82	21.98	21.75	23.0	1.0	1.0
40	QPSK	50	26	22.78	23.00	22.93	24.0	0.0	0.0
40	QPSK	50	96	21.89	21.87	21.84	23.0	1.0	1.0
40	QPSK	100	0	21.87	21.84	21.87	23.0	1.0	1.0
40	16QAM	1	1	22.04	22.16	22.17	23.0	1.0	1.0
40	16QAM	1	1	20.63	20.72	20.73	21.5	2.5	2.5
40	256QAM	1	1	18.62	18.62	18.54	19.5	4.5	4.5
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.59	22.95	22.91	24.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.96	22.89	22.88	24.0	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.55	22.65	22.61	24.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.04	22.99	22.80	24.0	0.0	0.0

FR1 n41 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518098	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.01	22.50	22.56	24.0	0.0	0.0
100	PV2 BPSK	1	137	22.54	22.63	22.52			
100	PV2 BPSK	1	271	22.49	22.60	22.72			
100	PV2 BPSK	135	0	22.49	22.41	22.40	24.0	0.0	0.0
100	PV2 BPSK	135	69	22.44	22.55	22.45			
100	PV2 BPSK	135	138	22.51	22.60	22.58			
100	PV2 BPSK	270	0	22.60	22.59	22.49	24.0	0.0	0.0
100	QPSK	1	1	22.78	22.80	22.83			
100	QPSK	1	137	22.52	22.80	22.78			
100	QPSK	1	271	22.74	22.68	22.79	24.0	0.0	0.0
100	QPSK	135	0	22.48	22.48	22.37			
100	QPSK	135	69	22.72	22.85	22.81			
100	QPSK	135	138	22.59	22.39	22.87	24.0	0.0	0.0
100	QPSK	270	0	22.63	22.81	22.85			
100	16QAM	1	1	22.78	22.86	22.82			
100	16QAM	1	1	22.75	22.70	22.75	24.0	0.0	0.0
100	256QAM	1	1	21.17	21.36	21.28			
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.58	22.77	22.67	Tune-up	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.70	22.87	22.85	Tune-up	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.68	22.70	22.74	Tune-up	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.60	22.82	22.70	Tune-up	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.07	22.70	22.63	Tune-up	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.69	22.81	22.65	Tune-up	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.65	22.72	22.64	Tune-up	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.69	22.79	22.68	Tune-up	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.57	22.70	22.68	Tune-up	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.64	22.77	22.73	Tune-up	MPR	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505002	Power Middle Ch. 1 Freq. 518598	Power High Ch. 1 Freq. 528000	Tune-up lim (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PV2 BPSK	1	1	23.81	23.99	23.82	25.0	0.0			
100	PV2 BPSK	1	137	23.97	23.93	24.05					
100	PV2 BPSK	1	271	23.94	23.98	23.94					
100	PV2 BPSK	136	0	23.97	23.81	23.81					
100	PV2 BPSK	136	69	24.06	23.83	24.02	25.0	0.0			
100	PV2 BPSK	136	136	23.81	23.94	23.99	25.0	0.0			
100	PV2 BPSK	270	0	23.94	24.01	23.81					
100	QPSK	1	1	23.90	24.07	24.03					
100	QPSK	1	137	23.95	23.94	23.93	25.0	0.0			
100	QPSK	1	271	23.84	24.04	23.83	25.0	0.0			
100	QPSK	136	0	23.91	23.83	23.98					
100	QPSK	136	69	23.94	24.05	24.01					
100	QPSK	136	136	23.84	24.04	23.82					
100	QPSK	270	0	23.85	23.96	23.91	25.0	0.0			
100	16QAM	1	1	23.94	23.97	23.94	25.0	0.0			
100	64QAM	1	1	23.95	23.95	23.94	24.0	1.0			
100	256QAM	1	1	23.95	23.95	20.53	22.0	3.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	23.95	23.88	23.98	25.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	23.90	23.97	23.86	25.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	23.81	24.01	23.98	25.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	23.90	23.99	23.99	25.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.92	23.99	23.91	25.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.84	23.98	23.91	25.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.84	23.98	23.91	25.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.90	24.00	23.97	25.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.84	23.88	23.85	25.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.84	23.99	23.94	25.0	0.0			

FR1 n48 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 638000	Power Middle Ch. 1 Freq. 641666	Power High Ch. 1 Freq. 645332	Tune-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.77	22.87	22.80	24.0	0.0	
40	PV2 BPSK	1	53	22.65	22.72	22.84			
40	PV2 BPSK	1	104	22.77	22.66	22.75			
40	PV2 BPSK	50	0	22.54	22.63	22.59			
40	PV2 BPSK	50	26	22.56	22.57	22.57	24.0	0.0	
40	PV2 BPSK	50	56	22.70	22.69	22.48	24.0	0.0	
40	PV2 BPSK	100	0	22.75	22.85	22.84	24.0	0.0	
40	QPSK	1	1	22.83	22.86	22.85			
40	QPSK	1	53	22.74	22.80	22.82			
40	QPSK	1	104	22.65	22.85	22.68			
40	QPSK	50	0	22.70	22.69	22.68	24.0	0.0	
40	QPSK	50	26	22.73	22.75	22.63			
40	QPSK	50	56	22.57	22.65	22.63			
40	QPSK	100	0	22.51	22.70	22.66	24.0	0.0	
40	16QAM	1	1	22.76	22.85	22.87	24.0	0.0	
40	64QAM	1	1	21.98	21.47	21.25	22.5	1.5	
40	256QAM	1	1	19.42	18.54	18.53	20.5	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.65	22.77	22.76	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.82	22.82	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.77	22.77	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.84	22.80	22.80	24.0	0.0	

FR1 n77 Part 270 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 650000	Power Middle Ch./Freq. 656000	Power High Ch./Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Plv2 BPSK	1	1	22.57	22.65	22.59	24.0	0.0
100	Plv2 BPSK	1	137	22.69	22.78	22.71		
100	Plv2 BPSK	1	271	22.85	22.95	22.92		
100	Plv2 BPSK	135	0	22.65	22.70	22.62	24.0	0.0
100	Plv2 BPSK	135	69	22.67	22.73	22.67	24.0	0.0
100	Plv2 BPSK	135	135	22.49	22.56	22.51	24.0	0.0
100	Plv2 BPSK	270	0	22.57	22.64	22.59	24.0	0.0
Channel								
Frequency (MHz)								
100	QPSK	1	1	22.74	22.77	22.74	24.0	0.0
100	QPSK	1	137	22.47	22.52	22.45		
100	QPSK	1	271	22.63	22.67	22.60		
100	QPSK	135	0	22.32	22.40	22.32	24.0	0.0
100	QPSK	135	69	22.35	22.41	22.38	24.0	0.0
100	QPSK	135	135	22.30	22.35	22.29	24.0	0.0
100	QPSK	270	0	22.36	22.41	22.37	24.0	0.0
100	16QAM	1	1	22.54	22.61	22.56	24.0	0.0
100	16QAM	1	1	22.58	22.65	22.60	24.0	0.0
100	256QAM	1	1	20.54	20.59	20.52	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.41	22.46	22.38	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.43	22.45	22.40	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.42	22.45	22.40	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.41	22.44	22.38	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.42	22.46	22.39	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.41	22.45	22.38	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.43	22.48	22.40	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.40	22.46	22.39	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.41	22.48	22.40	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.42	22.45	22.41	24.0	0.0

FR1 n77 HPUE Part 270 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Plv2 BPSK	1	1	25.32	25.27	25.26	26.0	0.0
100	Plv2 BPSK	1	137	25.06	25.01	24.98		
100	Plv2 BPSK	1	271	24.94	24.89	24.89		
100	Plv2 BPSK	135	0	24.69	24.61	24.64	25.5	0.5
100	Plv2 BPSK	135	69	25.02	24.97	24.98	26.0	0.0
100	Plv2 BPSK	135	135	24.33	24.25	24.27	25.5	0.5
100	Plv2 BPSK	270	0	24.58	24.51	24.53	26.0	0.0
100	QPSK	1	1	25.28	25.22	25.02		
100	QPSK	1	137	25.27	25.41	25.22		
100	QPSK	1	271	25.33	25.26	25.29	25.0	1.0
100	QPSK	135	0	24.16	24.10	24.08		
100	QPSK	135	69	25.15	25.21	25.00		
100	QPSK	135	135	23.87	23.81	23.79	25.0	1.0
100	QPSK	270	0	24.09	24.14	24.02	25.0	1.0
100	16QAM	1	1	24.36	24.29	24.31	25.0	1.0
100	16QAM	1	1	22.69	22.65	22.64	20.5	2.5
100	256QAM	1	1	21.04	20.99	21.00	21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.18	25.12	25.15	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.19	25.15	25.15	26.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.20	25.12	25.16	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.20	25.12	25.17	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.19	25.13	25.15	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.19	25.13	25.16	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.22	25.13	25.15	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.20	25.13	25.17	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.20	25.14	25.15	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.19	25.12	25.16	26.0	0.0

FR1 n77 Part 27Q 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	PV2 BPSK	1	1	22.77			24.0	0.0
100	PV2 BPSK	1	137	22.89				
100	PV2 BPSK	1	271	22.77				
100	PV2 BPSK	135	0	22.74			24.0	0.0
100	PV2 BPSK	135	69	22.76			24.0	0.0
100	PV2 BPSK	135	138	22.77			24.0	0.0
100	PV2 BPSK	270	0	22.78				
100	QPSK	1	1	22.88				
100	QPSK	1	137	22.81			24.0	0.0
100	QPSK	1	271	22.83				
100	QPSK	135	0	22.72			24.0	0.0
100	QPSK	135	69	22.83			24.0	0.0
100	QPSK	135	138	22.89			24.0	0.0
100	QPSK	270	0	22.78				
100	HQAM	1	1	22.86			24.0	0.0
100	HQAM	1	1	22.87			24.0	0.0
100	256QAM	1	1	20.97	22.5	1.5		
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.71	22.73	22.73	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.73	22.76	22.76	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.74	22.75	22.74	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.74	22.73	22.72	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.76	22.72	22.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.75	22.74	22.75	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.69	22.73	22.77	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.79	22.72	22.78	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.74	22.70	22.76	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.73	22.78	22.72	24.0	0.0

FR1 n77 HPUE Part 27Q 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	PV2 BPSK	1	1	25.35			26.0	0.0
100	PV2 BPSK	1	137	25.27				
100	PV2 BPSK	1	271	25.34				
100	PV2 BPSK	135	0	24.22			25.5	0.0
100	PV2 BPSK	135	69	25.20			26.0	0.0
100	PV2 BPSK	135	138	24.09			25.5	0.5
100	PV2 BPSK	270	0	24.22				
100	QPSK	1	1	25.47				
100	QPSK	1	137	25.38			26.0	0.0
100	QPSK	1	271	25.44				
100	QPSK	135	0	25.28			25.0	1.0
100	QPSK	135	69	25.27			26.0	0.0
100	QPSK	135	138	24.13			25.0	1.0
100	QPSK	270	0	25.27			26.0	1.0
100	HQAM	1	1	24.48			26.0	1.0
100	HQAM	1	1	22.98			22.5	2.5
100	256QAM	1	1	20.98			21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.42	25.38	25.37	26.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.39	25.38	25.43	26.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.34	25.34	25.41	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.39	25.33	25.45	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.37	25.44	25.43	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.39	25.33	25.43	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.40	25.37	25.37	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.38	25.42	25.34	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.38	25.37	25.38	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.40	25.40	25.37	26.0	0.0

FR1 n78 Part 270 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	PV2 BPSK	1	1	22.37	22.42		24.0	0.0	
100	PV2 BPSK	1	137	22.42	22.47				
100	PV2 BPSK	1	271	22.17	22.22				
100	PV2 BPSK	135	0	22.28	22.33	24.0	0.0		
100	PV2 BPSK	135	69	22.32	22.37	24.0	0.0		
100	PV2 BPSK	135	138	22.14	22.19	24.0	0.0		
100	PV2 BPSK	270	0	22.28	22.33				
100	QPSK	1	1	22.41	22.46				
100	QPSK	1	137	22.45	22.50	24.0	0.0		
100	QPSK	1	271	22.22	22.27				
100	QPSK	135	0	22.33	22.38	24.0	0.0		
100	QPSK	135	69	22.31	22.36	24.0	0.0		
100	QPSK	135	138	22.18	22.23	24.0	0.0		
100	QPSK	270	0	22.28	22.33				
100	16QAM	1	1	22.47	22.52	24.0	0.0		
100	16QAM	1	1	22.43	22.48	24.0	0.0		
100	256QAM	1	1	21.02	22.5	22.5	1.5		
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.35	22.37	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.39	22.39	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.42	22.42	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.39	22.39	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.41	22.41	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.34	22.34	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.34	22.40	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.38	22.39	22.41	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.38	22.37	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.35	22.40	22.39	24.0	0.0	

FR1 n78_HPUE Part 270 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	PV2 BPSK	1	1	25.32					
100	PV2 BPSK	1	137	25.32					
100	PV2 BPSK	1	271	25.13			26.0	0.0	
100	PV2 BPSK	135	0	24.86			25.5	0.5	
100	PV2 BPSK	135	69	25.36			26.0	0.0	
100	PV2 BPSK	135	138	24.65			25.5	0.5	
100	PV2 BPSK	270	0	24.78					
100	QPSK	1	1	25.42					
100	QPSK	1	137	25.42					
100	QPSK	1	271	25.28					
100	QPSK	135	0	24.23			25.0	1.0	
100	QPSK	135	69	25.33			26.0	0.0	
100	QPSK	135	138	24.11			25.0	1.0	
100	QPSK	270	0	24.25					
100	16QAM	1	1	24.58			26.0	1.0	
100	16QAM	1	1	23.02			22.5	2.5	
100	256QAM	1	1	21.07			21.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.27	25.32	25.31	26.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.34	25.26	25.30	26.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.33	25.27	25.29	26.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.28	25.24	25.32	26.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.33	25.27	25.30	26.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.24	25.34	25.31	26.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.32	25.24	25.34	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.33	25.28	25.26	26.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.33	25.28	25.27	26.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.25	25.32	25.33	26.0	0.0	

FR1 n78 Part 27Q 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)
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	22.71			24.0
100	PV2 BPSK	1	137	22.69			24.0
100	PV2 BPSK	1	271	22.60			24.0
100	PV2 BPSK	135	0	22.63			24.0
100	PV2 BPSK	135	69	22.66			24.0
100	PV2 BPSK	135	135	22.69			24.0
100	PV2 BPSK	270	0	22.74			24.0
100	QPSK	1	1	22.64			24.0
100	QPSK	1	137	22.62			24.0
100	QPSK	1	271	22.71			24.0
100	QPSK	135	0	22.74			24.0
100	QPSK	135	69	22.77			24.0
100	QPSK	135	135	22.81			24.0
100	QPSK	270	0	22.78			24.0
100	HQAM	1	1	22.81			24.0
100	HQAM	1	1	22.82			24.0
100	HQAM	1	1	20.86			22.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.72	22.73	22.67	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.68	22.68	22.67	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.61	22.59	22.64	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.50	22.51	22.50	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.65	22.61	22.66	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.52	22.53	22.51	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.67	22.64	22.69	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.67	22.61	22.62	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.63	22.68	22.63	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.62	22.68	22.62	24.0

FR1 n78_HPUE Part 27Q 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)
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	25.35			26.0
100	PV2 BPSK	1	137	25.32			26.0
100	PV2 BPSK	1	271	25.27			26.0
100	PV2 BPSK	135	0	24.64			25.5
100	PV2 BPSK	135	69	25.16			26.0
100	PV2 BPSK	135	135	24.56			25.5
100	PV2 BPSK	270	0	24.73			26.0
100	QPSK	1	1	25.41			26.0
100	QPSK	1	137	25.45			26.0
100	QPSK	1	271	25.35			26.0
100	QPSK	135	0	25.31			25.0
100	QPSK	135	69	25.31			26.0
100	QPSK	135	135	24.16			25.0
100	QPSK	270	0	24.27			26.0
100	HQAM	1	1	24.58			26.0
100	HQAM	1	1	23.03			22.5
100	HQAM	1	1	20.94			21.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	25.27	25.28	25.32	26.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.31	25.25	25.25	26.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.33	25.29	25.25	26.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.29	25.31	25.33	26.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.32	25.31	25.33	26.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.32	25.27	25.25	26.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.32	25.24	25.26	26.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.30	25.26	25.28	26.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	25.24	25.24	25.32	26.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.25	25.31	25.27	26.0

FR1 n38 Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 520000	Tune-up limit [dBm]	MPR [dB]				
Channel												
Frequency (MHz)												
40	PV2 BPSK	1	1	21.05	21.02	21.56	23.0	0.0				
40	PV2 BPSK	1	53	21.47	21.72	21.51						
40	PV2 BPSK	1	104	21.40	21.08	21.49	22.5	0.5				
40	PV2 BPSK	50	0	21.02	21.29	21.04						
40	PV2 BPSK	50	26	21.45	21.73	21.48	22.5	0.5				
40	PV2 BPSK	50	96	20.85	21.12	20.86						
40	PV2 BPSK	100	0	21.04	21.26	21.01	23.0	0.0				
40	QPSK	1	1	21.89	21.83	21.82						
40	QPSK	1	53	21.49	21.79	21.53	22.0	1.0				
40	QPSK	1	104	21.63	21.85	21.60						
40	QPSK	50	0	20.54	20.80	20.52	22.0	1.0				
40	QPSK	50	26	21.43	21.71	21.42						
40	QPSK	50	96	20.43	20.63	20.42	22.0	1.0				
40	QPSK	100	0	20.41	20.68	20.44						
40	16QAM	1	1	20.73	20.96	20.74	23.5	2.5				
40	256QAM	1	1	17.11	17.39	17.15						
40	256QAM	1	1	17.00	17.00	17.00	21.0	4.5				
Channel												
Frequency (MHz)												
30	QPSK	1	1	21.76	21.80	21.79				23.0	0.0	
30	QPSK	1	1	21.76	21.80	21.79						
Channel												
Frequency (MHz)												
20	QPSK	1	1	21.79	21.81	21.74	23.0	0.0				
20	QPSK	1	1	21.79	21.81	21.74						
Channel												
Frequency (MHz)												
15	QPSK	1	1	21.72	21.73	21.71	23.0	0.0				
15	QPSK	1	1	21.72	21.73	21.71						
Channel												
Frequency (MHz)												
10	QPSK	1	1	21.75	21.86	21.71	23.0	0.0				
10	QPSK	1	1	21.75	21.86	21.71						

FR1 n41 Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518098	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	PV2 BPSK	1	1	21.37	21.61	21.38	23.0	0.0				
100	PV2 BPSK	1	137	21.44	21.69	21.43						
100	PV2 BPSK	1	271	21.37	21.58	21.31	23.0	0.0				
100	PV2 BPSK	135	0	21.32	21.53	21.28						
100	PV2 BPSK	135	69	21.29	21.57	21.36	23.0	0.0				
100	PV2 BPSK	135	138	21.35	21.55	21.27						
100	PV2 BPSK	270	0	21.38	21.60	21.33	23.0	0.0				
100	QPSK	1	1	21.38	21.73	21.62						
100	QPSK	1	137	21.52	21.72	21.52	23.0	0.0				
100	QPSK	1	271	21.51	21.74	21.46						
100	QPSK	135	0	21.26	21.54	21.29	23.0	0.0				
100	QPSK	135	69	21.54	21.59	21.58						
100	QPSK	135	138	21.26	21.54	21.34	23.0	0.0				
100	QPSK	270	0	21.37	21.59	21.33						
100	16QAM	1	1	21.39	21.67	21.39	23.0	0.0				
100	16QAM	1	1	21.54	21.74	21.51						
100	256QAM	1	1	19.94	20.17	19.90	21.5	1.5				
100	256QAM	1	1	19.94	20.17	19.90						
Channel												
Frequency (MHz)												
90	QPSK	1	1	21.52	21.65	21.54	23.0	0.0				
90	QPSK	1	1	21.52	21.65	21.54						
Channel												
Frequency (MHz)												
80	QPSK	1	1	21.40	21.69	21.49	23.0	0.0				
80	QPSK	1	1	21.40	21.69	21.49						
Channel												
Frequency (MHz)												
70	QPSK	1	1	21.43	21.69	21.51	23.0	0.0				
70	QPSK	1	1	21.43	21.69	21.51						
Channel												
Frequency (MHz)												
60	QPSK	1	1	21.41	21.67	21.50	23.0	0.0				
60	QPSK	1	1	21.41	21.67	21.50						
Channel												
Frequency (MHz)												
50	QPSK	1	1	21.51	21.62	21.42	23.0	0.0				
50	QPSK	1	1	21.51	21.62	21.42						
Channel												
Frequency (MHz)												
40	QPSK	1	1	21.42	21.62	21.49	23.0	0.0				
40	QPSK	1	1	21.42	21.62	21.49						
Channel												
Frequency (MHz)												
30	QPSK	1	1	21.39	21.60	21.54	23.0	0.0				
30	QPSK	1	1	21.39	21.60	21.54						
Channel												
Frequency (MHz)												
20	QPSK	1	1	21.52	21.66	21.56	23.0	0.0				
20	QPSK	1	1	21.52	21.66	21.56						
Channel												
Frequency (MHz)												
15	QPSK	1	1	21.41	21.58	21.49	23.0	0.0				
15	QPSK	1	1	21.41	21.58	21.49						
Channel												
Frequency (MHz)												
10	QPSK	1	1	21.44	21.55	21.50	23.0	0.0				
10	QPSK	1	1	21.44	21.55	21.50						

FR1 n41_HPUE Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 505002	Power Middle Ch. 1 Freq. 518598	Power High Ch. 1 Freq. 528000	Tune-up lim1 (dBm)
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	24.30	24.51	24.23	26.0
100	PV2 BPSK	1	137	24.13	24.39	24.14	26.0
100	PV2 BPSK	1	221	24.27	24.45	24.26	26.0
100	PV2 BPSK	136	0	23.88	24.09	23.83	25.5
100	PV2 BPSK	136	69	24.05	24.37	24.08	26.0
100	PV2 BPSK	136	136	23.89	24.11	23.88	25.5
100	PV2 BPSK	270	0	23.80	24.08	23.84	25.5
100	QPSK	1	1	24.37	24.59	24.46	26.0
100	QPSK	1	137	24.25	24.53	24.27	26.0
100	QPSK	1	271	24.08	24.08	24.12	26.0
100	QPSK	136	0	23.15	23.21	23.01	25.0
100	QPSK	136	69	24.25	24.47	24.18	26.0
100	QPSK	136	136	23.17	23.41	23.20	25.0
100	QPSK	270	0	22.95	23.38	22.92	25.0
100	16QAM	1	1	23.05	23.30	23.05	25.0
100	64QAM	1	1	21.66	21.86	21.62	23.5
100	256QAM	1	1	19.53	19.81	19.56	21.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	24.25	24.50	24.35	26.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.25	24.50	24.35	26.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	24.25	24.48	24.30	26.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.25	24.49	24.30	26.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	24.25	24.47	24.30	26.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	24.31	24.38	24.34	26.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.25	24.48	24.31	26.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.30	24.36	24.30	26.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.31	24.40	24.33	26.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.30	24.36	24.41	26.0

FR1 n48 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 638000	Power Middle Ch. 1 Freq. 641666	Power High Ch. 1 Freq. 645332	Tune-up lim1 (dBm)
Channel							
Frequency (MHz)							
40	PV2 BPSK	1	1	21.56	21.76	21.49	23.0
40	PV2 BPSK	1	53	21.40	21.62	21.40	23.0
40	PV2 BPSK	1	104	21.30	21.56	21.32	23.0
40	PV2 BPSK	50	0	20.94	21.16	20.87	22.5
40	PV2 BPSK	50	26	21.45	21.66	21.40	23.0
40	PV2 BPSK	50	56	20.99	21.23	21.01	22.5
40	PV2 BPSK	100	0	20.90	21.19	20.98	23.0
40	QPSK	1	1	21.81	21.97	21.79	23.0
40	QPSK	1	53	21.55	21.76	21.50	23.0
40	QPSK	1	104	21.52	21.75	21.53	23.0
40	QPSK	50	0	21.40	21.62	21.34	22.0
40	QPSK	50	26	21.34	21.76	21.34	22.0
40	QPSK	50	56	21.38	21.63	21.46	22.0
40	QPSK	100	0	21.32	21.75	21.36	22.0
40	16QAM	1	1	21.56	21.85	21.66	22.0
40	64QAM	1	1	20.14	20.35	20.09	20.5
40	256QAM	1	1	18.19	18.43	18.22	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.62	21.81	21.67	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.76	21.81	21.57	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.68	21.68	21.62	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.74	21.77	21.69	23.0

FR1 n77 Part 270 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 650000	Power Middle Ch. 1 Freq. 656000	Power High Ch. 1 Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	21.11	21.33	21.08			
100	PV2 BPSK	1	137	21.02	21.26	21.03	22.0	0.0	
100	PV2 BPSK	1	271	21.02	21.29	21.10			
100	PV2 BPSK	136	0	20.98	21.19	20.92	22.0	0.0	
100	PV2 BPSK	136	69	20.94	21.14	20.90	22.0	0.0	
100	PV2 BPSK	136	136	20.96	21.21	21.00			
100	PV2 BPSK	270	0	20.92	21.15	20.95	22.0	0.0	
100	QPSK	1	1	21.33	21.57	21.32			
100	QPSK	1	137	20.95	21.20	20.97	22.0	0.0	
100	QPSK	1	271	21.11	21.32	21.05			
100	QPSK	136	0	20.83	21.03	20.82	22.0	0.0	
100	QPSK	136	69	21.09	21.23	21.19	22.0	0.0	
100	QPSK	136	136	20.82	21.07	20.83	22.0	0.0	
100	QPSK	270	0	21.13	21.18	21.08			
100	16QAM	1	1	20.96	21.24	21.01	22.0	0.0	
100	64QAM	1	1	21.00	21.22	20.95	22.0	0.0	
100	256QAM	1	1	18.95	19.20	19.00	20.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.20	21.29	21.20	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.20	21.29	21.28	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.17	21.28	21.24	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.23	21.23	21.24	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.23	21.30	21.12	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.17	21.26	21.27	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.23	21.23	21.22	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.23	21.20	21.18	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.28	21.21	21.21	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.27	21.28	21.19	22.0	0.0	

FR1 n77 HPUE Part 270 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. (650000)	Power Middle Ch. 1 Freq. (656000)	Power High Ch. 1 Freq. (662000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	23.47	23.76	23.54	25.0		
100	PV2 BPSK	1	137	23.35	23.57	23.30			
100	PV2 BPSK	1	271	23.35	23.63	23.37			
100	PV2 BPSK	136	0	23.00	23.24	23.02			
100	PV2 BPSK	136	69	23.43	23.66	23.47	24.5	0.5	
100	PV2 BPSK	136	136	23.11	23.33	23.06	24.5	0.5	
100	QPSK	1	0	22.96	23.24	23.01	25.0		
100	QPSK	1	1	23.75	23.81	23.79			
100	QPSK	1	137	23.48	23.74	23.45			
100	QPSK	1	271	23.48	23.77	23.53			
100	QPSK	136	0	22.36	22.57	22.31	24.0	1.0	
100	QPSK	136	69	23.64	23.73	23.71	25.0	0.0	
100	QPSK	136	136	22.33	22.69	22.36	24.0	1.0	
100	QPSK	270	0	22.60	22.66	22.58			
100	16QAM	1	1	22.43	22.71	22.44	24.0	1.0	
100	64QAM	1	1	21.84	21.97	21.69	23.5	2.5	
100	256QAM	1	1	18.95	19.20	18.95	20.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.64	23.69	23.69	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.60	23.72	23.69	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.68	23.61	23.65	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.63	23.64	23.62	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.67	23.69	23.69	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.67	23.74	23.58	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.56	23.75	23.71	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.69	23.67	23.70	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.62	23.70	23.73	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.57	23.68	23.68	25.0	0.0	

FR1 n77 Part 27Q Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	21.05	633332 3469.98				
100	PV2 BPSK	1	137	21.68			22.0	0.0	
100	PV2 BPSK	1	271	21.54					
100	PV2 BPSK	136	0	21.36			22.0	0.0	
100	PV2 BPSK	136	69	21.41			22.0	0.0	
100	PV2 BPSK	136	136	21.49					
100	PV2 BPSK	270	0	21.33			22.0	0.0	
100	QPSK	1	1	21.73					
100	QPSK	1	137	21.62			22.0	0.0	
100	QPSK	1	271	21.63					
100	QPSK	136	0	21.63			22.0	0.0	
100	QPSK	136	69	21.68			22.0	0.0	
100	QPSK	136	136	21.49			22.0	0.0	
100	QPSK	270	0	21.63					
100	16QAM	1	1	21.71			22.0	0.0	
100	64QAM	1	1	21.70			22.0	0.0	
100	256QAM	1	1	19.74			20.5	1.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit	MPR	
				3450	3499.98	3510			
90	QPSK	1	1	21.69	21.54	21.62	22.0	0.0	
Channel									
Frequency (MHz)				3490.02	3499.98	3510	Tune-up limit	MPR	
				3490.02	3499.98	3510			
80	QPSK	1	1	21.64	21.58	21.57	22.0	0.0	
Channel									
Frequency (MHz)				633331	633332	633333	Tune-up limit	MPR	
				3485.01	3499.98	3514.98			
70	QPSK	1	1	21.55	21.64	21.59	22.0	0.0	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit	MPR	
				3450	3499.98	3519.99			
60	QPSK	1	1	21.65	21.69	21.64	22.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit	MPR	
				3475.02	3499.98	3525			
50	QPSK	1	1	21.53	21.63	21.67	22.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit	MPR	
				3470.01	3499.98	3529.98			
40	QPSK	1	1	21.54	21.58	21.57	22.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit	MPR	
				3465	3499.98	3534.98			
30	QPSK	1	1	21.53	21.55	21.59	22.0	0.0	
Channel									
Frequency (MHz)				630968	633332	636000	Tune-up limit	MPR	
				3460.02	3499.98	3540			
20	QPSK	1	1	21.64	21.63	21.61	22.0	0.0	
Channel									
Frequency (MHz)				3457.5	3499.98	3542.49	Tune-up limit	MPR	
				3457.5	3499.98	3542.49			
15	QPSK	1	1	21.68	21.58	21.63	22.0	0.0	
Channel									
Frequency (MHz)				633331	633332	633333	Tune-up limit	MPR	
				3455.01	3499.98	3544.98			
10	QPSK	1	1	21.96	21.57	21.69	22.0	0.0	

FR1 n77 HPUE Part 27Q Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	24.21	24.21				
100	PV2 BPSK	1	137	24.17	24.17		25.0	0.0	
100	PV2 BPSK	1	271	24.16	24.16				
100	PV2 BPSK	136	0	23.77	23.77		24.5	0.5	
100	PV2 BPSK	136	69	24.06	24.06		25.0	0.0	
100	PV2 BPSK	136	136	23.85	23.85		24.5	0.5	
100	PV2 BPSK	270	0	23.61	23.61				
100	QPSK	1	1	24.25	24.25				
100	QPSK	1	137	24.12	24.12		25.0	0.0	
100	QPSK	1	271	24.16	24.16				
100	QPSK	136	0	23.95	23.95		24.0	1.0	
100	QPSK	136	69	24.17	24.17		25.0	0.0	
100	QPSK	136	136	22.86	22.86		24.0	1.0	
100	QPSK	270	0	23.89	23.89				
100	16QAM	1	1	23.23	23.23		24.0	1.0	
100	64QAM	1	1	21.76	21.76		22.5	2.5	
100	256QAM	1	1	19.67	19.67		20.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.07	24.10	24.18	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.07	24.08	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.14	24.09	24.05	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.05	24.17	24.07	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.08	24.11	24.13	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.11	24.09	24.12	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.21	24.08	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.19	24.13	24.21	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.08	24.16	24.06	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.07	24.21	24.06	25.0	0.0	

FR1 n78 Part 270 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	21.33			
100	PV2 BPSK	1	137	21.46			
100	PV2 BPSK	1	271	21.38			
100	PV2 BPSK	136	0	21.24			22.0
100	PV2 BPSK	136	69	21.42			22.0
100	PV2 BPSK	136	136	21.35			22.0
100	PV2 BPSK	270	0	21.44			22.0
100	QPSK	1	1	21.49			
100	QPSK	1	137	21.34			22.0
100	QPSK	1	271	21.33			
100	QPSK	136	0	21.18			22.0
100	QPSK	136	69	21.25			22.0
100	QPSK	136	136	21.15			22.0
100	QPSK	270	0	21.12			22.0
100	16QAM	1	1	21.44			22.0
100	64QAM	1	1	21.47			22.0
100	256QAM	1	1	19.46			20.5
Channel							
				659968	650000	650332	Tune-up MPR
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	21.44	21.32	21.39	22.0
Channel							
				648334	650000	650666	Tune-up MPR
Frequency (MHz)				3749.01	3750	3759.99	limit (dB)
80	QPSK	1	1	21.33	21.32	21.32	22.0
Channel							
				649000	650000	651000	Tune-up MPR
Frequency (MHz)				3750	3750	3765	limit (dB)
70	QPSK	1	1	21.33	21.41	21.43	22.0
Channel							
				649000	650000	651000	Tune-up MPR
Frequency (MHz)				3750.02	3750	3769.98	limit (dB)
60	QPSK	1	1	21.33	21.41	21.52	22.0
Channel							
				648334	650000	651666	Tune-up MPR
Frequency (MHz)				3753.01	3750	3774.99	limit (dB)
50	QPSK	1	1	21.44	21.30	21.38	22.0
Channel							
				648000	650000	652000	Tune-up MPR
Frequency (MHz)				3752.00	3750	3760	limit (dB)
40	QPSK	1	1	21.43	21.34	21.43	22.0
Channel							
				647668	650000	652332	Tune-up MPR
Frequency (MHz)				3751.00	3750	3764.96	limit (dB)
30	QPSK	1	1	21.30	21.30	21.31	22.0
Channel							
				647334	650000	652666	Tune-up MPR
Frequency (MHz)				3750.01	3750	3769.99	limit (dB)
20	QPSK	1	1	21.43	21.33	21.36	22.0
Channel							
				647100	650000	652400	Tune-up MPR
Frequency (MHz)				3767.52	3750	3792.48	limit (dB)
15	QPSK	1	1	21.25	21.41	21.41	22.0
Channel							
				647000	650000	653000	Tune-up MPR
Frequency (MHz)				3765	3750	3795	limit (dB)
10	QPSK	1	1	21.44	21.31	21.29	22.0

FR1 n78_HPUE Part 270 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	23.84			
100	PV2 BPSK	1	137	23.66			
100	PV2 BPSK	1	271	23.74			
100	PV2 BPSK	136	0	23.25			24.5
100	PV2 BPSK	136	69	23.81			25.0
100	PV2 BPSK	136	136	23.43			24.5
100	PV2 BPSK	270	0	23.38			25.0
100	QPSK	1	1	23.81			
100	QPSK	1	137	23.88			25.0
100	QPSK	1	271	23.88			
100	QPSK	136	0	22.77			24.0
100	QPSK	136	69	23.73			25.0
100	QPSK	136	136	22.65			24.0
100	QPSK	270	0	22.68			24.0
100	16QAM	1	1	23.84			24.0
100	64QAM	1	1	21.36			22.5
100	256QAM	1	1	19.43			20.5
Channel							
				648668	650000	650332	Tune-up MPR
Frequency (MHz)				3745.00	3750	3754.98	limit (dB)
90	QPSK	1	1	23.77	23.87	23.81	25.0
Channel							
				648334	650000	650666	Tune-up MPR
Frequency (MHz)				3749.01	3750	3759.99	limit (dB)
80	QPSK	1	1	23.76	23.81	23.79	25.0
Channel							
				649000	650000	651000	Tune-up MPR
Frequency (MHz)				3750	3750	3765	limit (dB)
70	QPSK	1	1	23.80	23.75	23.83	25.0
Channel							
				648668	650000	651332	Tune-up MPR
Frequency (MHz)				3749.02	3750	3769.98	limit (dB)
60	QPSK	1	1	23.77	23.79	23.77	25.0
Channel							
				648334	650000	651666	Tune-up MPR
Frequency (MHz)				3753.01	3750	3774.99	limit (dB)
50	QPSK	1	1	23.72	23.72	23.73	25.0
Channel							
				648000	650000	652000	Tune-up MPR
Frequency (MHz)				3752.00	3750	3760	limit (dB)
40	QPSK	1	1	23.76	23.76	23.74	25.0
Channel							
				647668	650000	652332	Tune-up MPR
Frequency (MHz)				3751.00	3750	3764.96	limit (dB)
30	QPSK	1	1	23.76	23.85	23.77	25.0
Channel							
				647334	650000	652666	Tune-up MPR
Frequency (MHz)				3750.01	3750	3769.99	limit (dB)
20	QPSK	1	1	23.79	23.80	23.72	25.0
Channel							
				647100	650000	652400	Tune-up MPR
Frequency (MHz)				3767.52	3750	3792.48	limit (dB)
15	QPSK	1	1	23.79	23.73	23.75	25.0
Channel							
				647000	650000	653000	Tune-up MPR
Frequency (MHz)				3765	3750	3795	limit (dB)
10	QPSK	1	1	23.81	23.85	23.71	25.0

FR1 n78 Part 27Q Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	21.40	21.40		
100	PV2 BPSK	1	137	21.58	21.58	22.0	0.0
100	PV2 BPSK	1	271	21.54	21.54		
100	PV2 BPSK	136	0	21.28	21.28	22.0	0.0
100	PV2 BPSK	136	69	21.51	21.51	22.0	0.0
100	PV2 BPSK	136	136	21.58	21.58	22.0	0.0
100	PV2 BPSK	270	0	21.70	21.70	22.0	0.0
100	QPSK	1	1	21.57	21.57		
100	QPSK	1	137	21.63	21.63	22.0	0.0
100	QPSK	1	271	21.46	21.46		
100	QPSK	136	0	21.44	21.44	22.0	0.0
100	QPSK	136	69	21.56	21.56	22.0	0.0
100	QPSK	136	136	21.48	21.48	22.0	0.0
100	QPSK	270	0	21.46	21.46	22.0	0.0
100	16QAM	1	1	21.87	21.87	22.0	0.0
100	64QAM	1	1	21.70	21.70	22.0	0.0
100	256QAM	1	1	19.67	19.67	20.5	1.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	21.60	21.65	21.66	22.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	21.53	21.64	21.66	22.0 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	21.61	21.60	21.59	22.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	21.67	21.63	21.57	22.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	21.63	21.63	21.63	22.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	21.54	21.63	21.62	22.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.53	21.58	21.60	22.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.59	21.63	21.54	22.0 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.55	21.59	21.58	22.0 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.64	21.62	21.66	22.0 0.0

FR1 n78_HPUE Part 27Q Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PV2 BPSK	1	1	24.19	24.19		
100	PV2 BPSK	1	137	24.05	24.05	25.0	0.0
100	PV2 BPSK	1	271	23.97	23.97		
100	PV2 BPSK	136	0	23.42	23.42	24.5	0.5
100	PV2 BPSK	136	69	23.96	23.96	25.0	0.0
100	PV2 BPSK	136	136	23.49	23.49	24.5	0.5
100	PV2 BPSK	270	0	23.60	23.60		
100	QPSK	1	1	24.21	24.21		
100	QPSK	1	137	24.19	24.19	25.0	0.0
100	QPSK	1	271	24.01	24.01		
100	QPSK	136	0	23.11	23.11	24.0	1.0
100	QPSK	136	69	24.10	24.10	25.0	0.0
100	QPSK	136	136	22.86	22.86	24.0	1.0
100	QPSK	270	0	23.02	23.02	24.0	1.0
100	16QAM	1	1	23.24	23.24	24.0	1.0
100	64QAM	1	1	21.81	21.81	22.5	2.5
100	256QAM	1	1	19.85	19.85	20.5	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	24.07	24.13	24.02	25.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.02	24.04	24.12	25.0 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	24.16	24.04	24.17	25.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.13	24.05	24.10	25.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	24.11	24.03	24.06	25.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	24.14	24.13	24.13	25.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.04	24.07	24.09	25.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.09	24.14	24.10	25.0 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.03	24.18	24.14	25.0 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.13	24.04	24.08	25.0 0.0

FR1 n48 Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				63000	64166	64532	
Frequency (MHz)				3670	3624.99	3679.98	
40	PV2 BPSK	1	1	22.56	22.99	23.00	
40	PV2 BPSK	1	53	22.51	22.80	22.82	24.0
40	PV2 BPSK	1	104	22.68	22.91	22.88	
40	PV2 BPSK	50	0	22.18	22.42	22.45	23.5
40	PV2 BPSK	50	26	22.54	22.76	22.86	24.0
40	PV2 BPSK	50	50	22.02	22.47	22.29	23.5
40	PV2 BPSK	100	0	22.68	22.97	22.93	
40	QPSK	1	1	22.73	23.02	23.01	
40	QPSK	1	53	22.73	22.81	22.78	24.0
40	QPSK	1	104	22.68	23.00	22.78	
40	QPSK	50	0	22.55	22.69	22.48	23.0
40	QPSK	50	26	22.67	22.78	22.74	24.0
40	QPSK	50	50	22.71	22.72	22.51	23.0
40	QPSK	100	0	22.57	22.77	22.65	
40	ISQAM	1	1	22.83	22.88	22.84	23.0
40	ISQAM	1	1	21.57	21.43	21.42	21.5
40	250QAM	1	1	19.36	19.42	19.33	19.5
Channel				63766	64166	64566	
Frequency (MHz)				3665.02	3624.99	3634.99	
30	QPSK	1	1	22.58	22.93	22.96	24.0
Channel				63734	64166	64600	
Frequency (MHz)				3660.01	3624.99	3690	
20	QPSK	1	1	22.54	22.90	22.85	24.0
Channel				63716	64166	64616	
Frequency (MHz)				3657.52	3624.99	3692.48	
15	QPSK	1	1	22.63	22.86	22.82	24.0
Channel				63700	64166	64632	
Frequency (MHz)				3655	3624.99	3694.98	
10	QPSK	1	1	22.67	22.83	22.89	24.0

FR1 n77 Part 270 Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				65000	65600	66200	
Frequency (MHz)				3760	3840	3920	
100	PV2 BPSK	1	1	22.40	22.71	22.38	
100	PV2 BPSK	1	137	22.52	22.63	22.33	24.0
100	PV2 BPSK	1	271	22.35	22.65	22.38	
100	PV2 BPSK	135	0	22.35	22.64	22.36	24.0
100	PV2 BPSK	135	69	22.43	22.64	22.53	24.0
100	PV2 BPSK	135	138	22.45	22.63	22.44	24.0
100	PV2 BPSK	270	0	22.50	22.65	22.37	
100	QPSK	1	1	22.53	22.73	22.44	
100	QPSK	1	137	22.28	22.46	22.23	24.0
100	QPSK	1	271	22.36	22.43	22.29	
100	QPSK	135	0	22.23	22.28	22.04	24.0
100	QPSK	135	69	22.57	22.60	22.53	24.0
100	QPSK	135	138	22.21	22.24	22.13	24.0
100	QPSK	270	0	22.51	22.52	22.29	
100	16QAM	1	1	22.34	22.48	22.27	24.0
100	16QAM	1	1	22.26	22.45	22.37	24.0
100	250QAM	1	1	21.32	21.38	21.17	22.5
Channel				64968	65600	66232	
Frequency (MHz)				3745.02	3840	3944.98	
90	QPSK	1	1	22.34	22.59	22.32	24.0
Channel				64934	65600	66266	
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	22.44	22.64	22.39	24.0
Channel				64900	65600	66300	
Frequency (MHz)				3736	3840	3945	
70	QPSK	1	1	22.49	22.68	22.35	24.0
Channel				64868	65600	66332	
Frequency (MHz)				3731.02	3840	3944.98	
60	QPSK	1	1	22.34	22.68	22.31	24.0
Channel				64834	65600	66366	
Frequency (MHz)				3725.01	3840	3944.99	
50	QPSK	1	1	22.44	22.68	22.33	24.0
Channel				64800	65600	66400	
Frequency (MHz)				3720	3840	3940	
40	QPSK	1	1	22.38	22.65	22.30	24.0
Channel				64768	65600	66432	
Frequency (MHz)				3715.02	3840.00	3944.98	
30	QPSK	1	1	22.35	22.69	22.39	24.0
Channel				64734	65600	66466	
Frequency (MHz)				3710.01	3840	3949.99	
20	QPSK	1	1	22.34	22.65	22.32	24.0
Channel				64700	65600	66500	
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	22.47	22.62	22.28	24.0
Channel				64700	65600	66500	
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	22.48	22.57	22.28	24.0

FR1 n77 HPUE Part 270 Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				65000	65600	66200	
Frequency (MHz)				3750	3840	3930	
100	PV2 BPSK	1	1	25.10	25.14	24.80	
100	PV2 BPSK	1	137	24.95	25.28	24.96	26.0
100	PV2 BPSK	1	271	25.00	25.32	24.91	
100	PV2 BPSK	135	0	24.60	24.69	24.44	25.5
100	PV2 BPSK	135	69	25.04	25.31	24.81	26.0
100	PV2 BPSK	135	138	24.49	24.65	24.31	25.5
100	PV2 BPSK	270	0	25.12	25.32	24.68	
100	QPSK	1	1	25.15	25.35	24.88	
100	QPSK	1	137	24.96	25.00	24.76	26.0
100	QPSK	1	271	25.03	25.06	24.94	
100	QPSK	135	0	23.79	23.80	23.67	25.0
100	QPSK	135	69	24.75	24.78	24.75	26.0
100	QPSK	135	138	23.61	23.77	23.72	25.0
100	QPSK	270	0	23.66	23.77	23.68	
100	16QAM	1	1	23.91	23.96	23.94	25.0
100	16QAM	1	1	22.29	22.43	22.26	23.5
100	250QAM	1	1	20.33	20.39	20.26	21.5
Channel				64968	65600	66232	
Frequency (MHz)				3745.02	3840	3944.98	
90	QPSK	1	1	24.95	25.24	24.86	26.0
Channel				64934	65600	66266	
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	24.98	25.24	24.83	26.0
Channel				64900	65600	66300	
Frequency (MHz)				3736	3840	3945	
70	QPSK	1	1	25.08	25.17	24.80	26.0
Channel				64868	65600	66332	
Frequency (MHz)				3731.02	3840	3944.98	
60	QPSK	1	1	24.96	25.30	24.85	26.0
Channel				64834	65600	66366	
Frequency (MHz)				3725.01	3840	3944.99	
50	QPSK	1	1	25.04	25.24	24.80	26.0
Channel				64800	65600	66400	
Frequency (MHz)				3720	3840	3940	
40	QPSK	1	1	25.08	25.16	24.83	26.0
Channel				64768	65600	66432	
Frequency (MHz)				3715.02	3840.00	3944.98	
30	QPSK	1	1	24.99	25.20	24.91	26.0
Channel				64734	65600	66466	
Frequency (MHz)				3710.01	3840	3949.99	
20	QPSK	1	1	25.08	25.18	24.91	26.0
Channel				64700	65600	66500	
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	25.09	25.20	24.94	26.0
Channel				64700	65600	66500	
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	25.00	25.18	24.81	26.0

FR1 n77 Part 27Q Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332		3499.98	
Frequency (MHz)						22.84	
100	PI2 BPSK	1	1				
100	PI2 BPSK	1	137				
100	PI2 BPSK	1	271				
100	PI2 BPSK	135	0				24.0
100	PI2 BPSK	135	69				24.0
100	PI2 BPSK	135	138				24.0
100	PI2 BPSK	270	0				24.0
100	QPSK	1	1				
100	QPSK	1	137				24.0
100	QPSK	1	271				
100	QPSK	135	0				24.0
100	QPSK	135	69				24.0
100	QPSK	135	138				24.0
100	QPSK	270	0				24.0
100	16QAM	1	1				24.0
100	16QAM	1	1				24.0
100	256QAM	1	1				22.5
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	22.68	22.73	22.75	24.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	22.70	22.77	22.70	24.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3484.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	22.76	22.71	22.73	24.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	22.66	22.66	22.80	24.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	22.71	22.81	22.70	24.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	22.67	22.65	22.68	24.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	22.79	22.66	22.78	24.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	22.66	22.80	22.69	24.0
Channel				630300	633332	636332	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	22.77	22.75	22.78	24.0
Channel				630000	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	22.73	22.80	22.68	24.0

FR1 n77 HPUE Part 27Q Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332		3499.98	
Frequency (MHz)						25.13	
100	PI2 BPSK	1	1				
100	PI2 BPSK	1	137				
100	PI2 BPSK	1	271				
100	PI2 BPSK	135	0				25.5
100	PI2 BPSK	135	69				26.0
100	PI2 BPSK	135	138				25.5
100	PI2 BPSK	270	0				25.12
100	QPSK	1	1				25.25
100	QPSK	1	137				25.07
100	QPSK	1	271				25.35
100	QPSK	135	0				24.18
100	QPSK	135	69				25.03
100	QPSK	135	138				23.91
100	QPSK	270	0				24.01
100	16QAM	1	1				24.31
100	16QAM	1	1				22.76
100	256QAM	1	1				20.94
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	25.17	25.13	25.08	26.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	25.08	25.08	25.07	26.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3484.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	25.18	25.07	25.17	26.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	25.13	25.10	25.21	26.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	25.13	25.10	25.14	26.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	25.11	25.16	25.10	26.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	25.13	25.15	25.10	26.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	25.16	25.20	25.12	26.0
Channel				630300	633332	636332	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	25.14	25.16	25.12	26.0
Channel				630000	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	25.20	25.09	25.22	26.0

FR1 n78 Part 270 Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				650000		3750					
100	PI/2 BPSK	1	1	22.81	22.81		24.0	0.0			
100	PI/2 BPSK	1	137	22.81	22.81						
100	PI/2 BPSK	1	271	22.72	22.72		24.0	0.0			
100	PI/2 BPSK	135	0	22.74	22.74						
100	PI/2 BPSK	135	89	22.76	22.76		24.0	0.0			
100	PI/2 BPSK	135	138	22.71	22.71						
100	PI/2 BPSK	270	0	22.71	22.71		24.0	0.0			
100	QPSK	1	1	22.83	22.83						
100	QPSK	1	137	22.81	22.81		24.0	0.0			
100	QPSK	1	271	22.53	22.53						
100	QPSK	135	0	22.54	22.54		24.0	0.0			
100	QPSK	135	89	22.77	22.77						
100	QPSK	135	138	22.42	22.42		24.0	0.0			
100	QPSK	270	0	22.86	22.86						
100	16QAM	1	1	22.71	22.71		24.0	0.0			
100	64QAM	1	1	22.82	22.82						
100	256QAM	1	1	22.82	22.82		22.5	1.5			
Channel				649688	650000	650332	Tune-up				
Frequency (MHz)				3745.00	3750	3754.98	limit (dB)				
90	QPSK	1	1	22.69	22.76	22.77	24.0	0.0			
Channel				649334	650000	650666					
Frequency (MHz)				3740.01	3750	3759.99	Tune-up				
Channel				649000	650000	651000	Tune-up				
Frequency (MHz)				3735	3750	3765	limit (dB)				
70	QPSK	1	1	22.63	22.70	22.63	24.0	0.0			
Channel				648668	650000	651332					
Frequency (MHz)				3730.02	3750	3769.98	Tune-up				
Channel				648334	650000	651666	Tune-up				
Frequency (MHz)				3725.01	3750	3774.99	limit (dB)				
60	QPSK	1	1	22.65	22.77	22.66	24.0	0.0			
Channel				648000	650000	652000					
Frequency (MHz)				3720	3750	3780	Tune-up				
Channel				647668	650000	652332	Tune-up				
Frequency (MHz)				3715.02	3750	3784.98	limit (dB)				
50	QPSK	1	1	22.68	22.64	22.75	24.0	0.0			
Channel				648000	650000	652000					
Frequency (MHz)				3720	3750	3780	Tune-up				
Channel				647668	650000	652332	Tune-up				
Frequency (MHz)				3715.02	3750	3784.98	limit (dB)				
40	QPSK	1	1	22.72	22.69	22.72	24.0	0.0			
Channel				647334	650000	652666					
Frequency (MHz)				3710.01	3750	3789.99	Tune-up				
Channel				647000	650000	653000	Tune-up				
Frequency (MHz)				3705	3750	3795	limit (dB)				
30	QPSK	1	1	22.74	22.64	22.74	24.0	0.0			
Channel				646968	650000	652932					
Frequency (MHz)				3715.02	3750	3784.98	Tune-up				
Channel				646634	650000	653266	Tune-up				
Frequency (MHz)				3710.01	3750	3789.99	limit (dB)				
20	QPSK	1	1	22.68	22.68	22.73	24.0	0.0			
Channel				647168	650000	653132					
Frequency (MHz)				3707.52	3750	3792.48	Tune-up				
Channel				646834	650000	653466	Tune-up				
Frequency (MHz)				3702.51	3750	3797.49	limit (dB)				
15	QPSK	1	1	22.70	22.71	22.74	24.0	0.0			
Channel				647000	650000	653000					
Frequency (MHz)				3705	3750	3795	Tune-up				
Channel				646668	650000	653332	Tune-up				
Frequency (MHz)				3700	3750	3790	limit (dB)				
10	QPSK	1	1	22.64	22.64	22.66	24.0	0.0			
Channel				646334	650000	653666					
Frequency (MHz)				3695	3750	3805	Tune-up				
Channel				646000	650000	654000	Tune-up				
Frequency (MHz)				3690	3750	3810	limit (dB)				

FR1 n78_HPUE Part 270 Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				650000		3750					
100	PI/2 BPSK	1	1	25.31	25.31		26.0	0.0			
100	PI/2 BPSK	1	137	25.32	25.32						
100	PI/2 BPSK	1	271	25.23	25.23		25.5	0.5			
100	PI/2 BPSK	135	0	24.74	24.74						
100	PI/2 BPSK	135	89	25.18	25.18		25.5	0.5			
100	PI/2 BPSK	135	138	24.73	24.73						
100	PI/2 BPSK	270	0	25.31	25.31		26.0	0.0			
100	QPSK	1	1	25.34	25.34						
100	QPSK	1	137	24.89	24.89		25.0	1.0			
100	QPSK	1	271	24.54	24.54						
100	QPSK	135	0	24.10	24.10		25.0	0.0			
100	QPSK	135	89	25.10	25.10						
100	QPSK	135	138	24.91	24.91		25.0	1.0			
100	QPSK	270	0	24.02	24.02						
100	16QAM	1	1	24.31	24.31		23.5	2.5			
100	64QAM	1	1	23.80	23.80						
100	256QAM	1	1	20.82	20.82		21.5	4.5			
Channel				649688	650000	650332	Tune-up				
Frequency (MHz)				3745.00	3750	3754.98	limit (dB)				
90	QPSK	1	1	25.27	25.18	25.21	26.0	0.0			
Channel				649334	650000	650666					
Frequency (MHz)				3740.01	3750	3759.99	Tune-up				
Channel				649000	650000	651000	Tune-up				
Frequency (MHz)				3735	3750	3765	limit (dB)				
80	QPSK	1	1	25.24	25.24	25.29	26.0	0.0			
Channel				648668	650000	651332					
Frequency (MHz)				3730.02	3750	3769.98	Tune-up				
Channel				648334	650000	651666	Tune-up				
Frequency (MHz)				3725.01	3750	3774.99	limit (dB)				
70	QPSK	1	1	25.24	25.18	25.24	26.0	0.0			
Channel				648000	650000	652000					
Frequency (MHz)				3720	3750	3780	Tune-up				
Channel				647668	650000	652332	Tune-up				
Frequency (MHz)				3715.02	3750	3784.98	limit (dB)				
60	QPSK	1	1	25.28	25.18	25.25	26.0	0.0			
Channel				648334	650000	651666					
Frequency (MHz)				3725.01	3750	3774.99	Tune-up				
Channel				648000	650000	652000	Tune-up				
Frequency (MHz)				3720	3750	3780	limit (dB)				
50	QPSK	1	1	25.24	25.15	25.16	26.0	0.0			
Channel				647668	650000	652332					
Frequency (MHz)				3715.02	3750	3784.98	Tune-up				
40	QPSK	1	1	25.27	25.21	25.29	26.0	0.0			
Channel				647334	650000	652666					
Frequency (MHz)				3710.01	3750	3789.99	Tune-up				
20	QPSK	1	1	25.29	25.29	25.15	26.0	0.0			
Channel				647168	650000	652832					
Frequency (MHz)				3707.52	3750	3792.48	Tune-up				
15	QPSK	1	1	25.30	25.23	25.24	26.0	0.0			
Channel				647000	650000	653000					
Frequency (MHz)				3705.00	3750	3795.00	Tune-up				
10	QPSK	1	1	25.26	25.29	25.26	26.0	0.0			

FR1 n78 Part 27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lower Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)						22.73			
100	Plv2 BPSK	1	1			22.66	24.0	0.0	
100	Plv2 BPSK	1	137			22.55			
100	Plv2 BPSK	1	271			22.54	24.0	0.0	
100	Plv2 BPSK	135	0			22.70	24.0	0.0	
100	Plv2 BPSK	135	89			22.59			
100	Plv2 BPSK	135	138			22.67	24.0	0.0	
100	Plv2 BPSK	270	0			22.87			
100	QPSK	1	1			22.75			
100	QPSK	1	137			22.55	24.0	0.0	
100	QPSK	1	271			22.51			
100	QPSK	135	0			22.51	24.0	0.0	
100	QPSK	135	89			22.68	24.0	0.0	
100	QPSK	135	138			22.56			
100	QPSK	270	0			22.85	24.0	0.0	
100	16QAM	1	1			22.89	24.0	0.0	
100	64QAM	1	1			22.46	24.0	0.0	
100	256QAM	1	1			20.68	22.5	1.5	
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3495	3499.98	3504.98	lim.	(dB)	
90	QPSK	1	1	22.60	22.56	22.57	24.0	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3490.02	3499.98	3510	lim.	(dB)	
80	QPSK	1	1	22.68	22.67	22.62	24.0	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	lim.	(dB)	
70	QPSK	1	1	22.67	22.68	22.71	24.0	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3480	3499.98	3519.98	lim.	(dB)	
60	QPSK	1	1	22.62	22.69	22.68	24.0	0.0	
Channel				631666	633332	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3499.98	3525	lim.	(dB)	
50	QPSK	1	1	22.62	22.62	22.59	24.0	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	lim.	(dB)	
40	QPSK	1	1	22.64	22.64	22.71	24.0	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3465	3499.98	3534.98	lim.	(dB)	
30	QPSK	1	1	22.68	22.70	22.65	24.0	0.0	
Channel				630666	633332	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3499.98	3540	lim.	(dB)	
20	QPSK	1	1	22.59	22.63	22.59	24.0	0.0	
Channel				630300	633332	636166	Tune-up	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	lim.	(dB)	
15	QPSK	1	1	22.67	22.61	22.69	24.0	0.0	
Channel				630334	633332	636332	Tune-up	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	lim.	(dB)	
10	QPSK	1	1	22.69	22.71	22.63	24.0	0.0	

FR1 n78_HPUE Part 27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)						25.17			
100	Plv2 BPSK	1	1			25.19	26.0	0.0	
100	Plv2 BPSK	1	137			25.23			
100	Plv2 BPSK	1	271			24.68	25.5	0.5	
100	Plv2 BPSK	135	0			25.25	26.0	0.0	
100	Plv2 BPSK	135	89			24.74	25.5	0.5	
100	Plv2 BPSK	135	138			24.52	25.5	0.5	
100	Plv2 BPSK	270	0			25.19			
100	QPSK	1	1			25.35			
100	QPSK	1	137			24.84	26.0	0.0	
100	QPSK	1	271			24.52			
100	QPSK	135	0			24.00	25.0	1.0	
100	QPSK	135	89			24.82	26.0	0.0	
100	QPSK	135	138			23.81			
100	QPSK	270	0			23.83	25.0	1.0	
100	16QAM	1	1			24.27			
100	64QAM	1	1			22.71	23.5	2.5	
100	256QAM	1	1			20.62	21.5	4.5	
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3495	3499.98	3504.98	lim.	(dB)	
90	QPSK	1	1	25.19	25.14	25.23	26.0	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3490.00	3499.98	3510	lim.	(dB)	
80	QPSK	1	1	25.26	25.26	25.27	26.0	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	lim.	(dB)	
70	QPSK	1	1	25.23	25.12	25.13	26.0	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3480	3499.98	3519.98	lim.	(dB)	
60	QPSK	1	1	25.26	25.23	25.21	26.0	0.0	
Channel				631666	633332	635000	Tune-up	MPR	
Frequency (MHz)				3475.00	3499.98	3525	lim.	(dB)	
50	QPSK	1	1	25.27	25.25	25.20	26.0	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	lim.	(dB)	
40	QPSK	1	1	25.18	25.12	25.23	26.0	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3465	3499.98	3534.98	lim.	(dB)	
30	QPSK	1	1	25.19	25.19	25.16	26.0	0.0	
Channel				630666	633332	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3499.98	3540	lim.	(dB)	
20	QPSK	1	1	25.14	25.17	25.15	26.0	0.0	
Channel				630300	633332	636166	Tune-up	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	lim.	(dB)	
15	QPSK	1	1	25.19	25.25	25.20	26.0	0.0	
Channel				630334	633332	636332	Tune-up	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	lim.	(dB)	
10	QPSK	1	1	25.24	25.16	25.23	26.0	0.0	

FR1 n48 Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				63000	64166	64532	
Frequency (MHz)				3670	3624.99	3679.98	
40	PV2 BPSK	1	1	19.73	19.61	19.77	
40	PV2 BPSK	1	53	19.61	19.70	19.50	21.0
40	PV2 BPSK	1	104	19.56	19.71	19.45	
40	PV2 BPSK	50	0	19.62	19.66	19.61	20.5
40	PV2 BPSK	50	26	19.31	19.55	19.41	21.0
40	PV2 BPSK	50	50	19.27	19.51	19.28	20.5
40	PV2 BPSK	100	0	19.44	19.56	19.35	
40	QPSK	1	1	19.85	19.06	19.84	
40	QPSK	1	53	19.78	19.85	19.66	21.0
40	QPSK	1	104	19.70	19.92	19.57	
40	QPSK	50	0	19.68	19.73	19.51	20.0
40	QPSK	50	26	19.53	19.77	19.56	21.0
40	QPSK	50	50	19.63	19.69	19.45	20.0
40	QPSK	100	0	19.55	19.65	19.61	20.0
40	ISQAM	1	1	19.81	19.91	19.67	20.0
40	ISQAM	1	1	19.24	19.40	19.37	18.5
40	250QAM	1	1	19.37	19.47	19.42	18.5
Channel				63766	64166	64566	
Frequency (MHz)				3651.02	3624.99	3634.98	
30	QPSK	1	1	19.80	19.93	19.79	21.0
Channel				63734	64166	64600	
Frequency (MHz)				3650.01	3624.99	3650	
20	QPSK	1	1	19.87	19.90	19.79	21.0
Channel				637168	64166	646166	
Frequency (MHz)				3651.52	3624.99	3652.48	
15	QPSK	1	1	19.82	19.88	19.78	21.0
Channel				637000	64166	646332	
Frequency (MHz)				3655	3624.99	3634.98	
10	QPSK	1	1	19.81	19.97	19.71	21.0

FR1 n77 Part 270 Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				65000	65600	66200	
Frequency (MHz)				3760	3840	3920	
100	PV2 BPSK	1	1	19.42	19.31	19.29	
100	PV2 BPSK	1	137	19.32	19.53	19.15	21.0
100	PV2 BPSK	1	271	19.28	19.30	19.13	
100	PV2 BPSK	135	0	19.45	19.50	19.29	21.0
100	PV2 BPSK	135	69	19.48	19.25	19.20	21.0
100	PV2 BPSK	135	138	19.27	19.14	19.15	21.0
100	PV2 BPSK	270	0	19.42	19.23	19.13	
100	QPSK	1	1	19.49	19.51	19.45	
100	QPSK	1	137	19.38	19.45	19.41	21.0
100	QPSK	1	271	19.35	19.47	19.39	
100	QPSK	135	0	19.39	19.45	19.35	21.0
100	QPSK	135	69	19.48	19.45	19.41	21.0
100	QPSK	135	138	19.42	19.22	19.28	21.0
100	QPSK	270	0	19.41	19.44	19.20	21.0
100	15QAM	1	1	19.42	19.50	19.48	21.0
100	16QAM	1	1	19.45	19.45	19.48	21.0
100	250QAM	1	1	17.52	17.56	17.57	19.0
Channel				64968	65600	66232	
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	19.30	19.20	19.29	21.0
Channel				64934	65600	66266	
Frequency (MHz)				3740.01	3840	3930.99	
80	QPSK	1	1	19.41	19.36	19.21	21.0
Channel				64900	65600	66300	
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	19.45	19.26	19.29	21.0
Channel				64868	65600	66332	
Frequency (MHz)				3730.02	3840	3940.98	
60	QPSK	1	1	19.40	19.22	19.23	21.0
Channel				64834	65600	66366	
Frequency (MHz)				3725.01	3840	3934.99	
50	QPSK	1	1	19.36	19.31	19.17	21.0
Channel				64800	65600	66400	
Frequency (MHz)				3720	3840	3940	
40	QPSK	1	1	19.40	19.20	19.21	21.0
Channel				64768	65600	66432	
Frequency (MHz)				3715.02	3840.00	3934.98	
30	QPSK	1	1	19.32	19.33	19.17	21.0
Channel				64734	65600	66466	
Frequency (MHz)				3710.01	3840	3939.99	
20	QPSK	1	1	19.32	19.30	19.17	21.0
Channel				64700	65600	66500	
Frequency (MHz)				3707.52	3840	3932.48	
15	QPSK	1	1	19.37	19.28	19.30	21.0
Channel				64700	65600	66500	
Frequency (MHz)				3705	3840	3935	
10	QPSK	1	1	19.40	19.38	19.28	21.0

FR1 n77 HPUE Part 270 Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				65000	65600	66200	
Frequency (MHz)				3760	3840	3920	
100	PV2 BPSK	1	1	22.30	22.38	22.14	
100	PV2 BPSK	1	137	22.18	22.27	22.02	23.0
100	PV2 BPSK	1	271	22.06	22.21	22.13	
100	PV2 BPSK	135	0	21.88	21.95	21.83	22.5
100	PV2 BPSK	135	69	22.11	22.20	22.07	23.0
100	PV2 BPSK	135	138	21.79	21.61	21.77	22.5
100	PV2 BPSK	270	0	21.80	21.72	21.69	
100	QPSK	1	1	22.32	22.38	22.27	
100	QPSK	1	137	22.08	22.27	22.11	23.0
100	QPSK	1	271	22.13	22.30	22.05	
100	QPSK	135	0	21.20	21.38	21.30	22.0
100	QPSK	135	69	22.29	22.37	22.33	23.0
100	QPSK	135	138	21.13	21.06	21.06	22.0
100	QPSK	270	0	21.07	21.27	21.03	
100	15QAM	1	1	21.42	21.66	21.54	22.0
100	16QAM	1	1	19.93	20.17	19.94	20.5
100	250QAM	1	1	17.80	18.07	17.83	18.5
Channel				64968	65600	66232	
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	22.20	22.51	22.14	23.0
Channel				64934	65600	66266	
Frequency (MHz)				3740.01	3840	3930.99	
80	QPSK	1	1	22.15	22.53	22.07	23.0
Channel				64900	65600	66300	
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	22.21	22.42	22.16	23.0
Channel				64868	65600	66332	
Frequency (MHz)				3730.02	3840	3940.98	
60	QPSK	1	1	22.20	22.43	22.09	23.0
Channel				64834	65600	66366	
Frequency (MHz)				3725.01	3840	3934.99	
50	QPSK	1	1	22.17	22.48	22.19	23.0
Channel				64800	65600	66400	
Frequency (MHz)				3720	3840	3940	
40	QPSK	1	1	22.14	22.41	22.08	23.0
Channel				64768	65600	66432	
Frequency (MHz)				3715.02	3840.00	3934.98	
30	QPSK	1	1	22.24	22.45	22.12	23.0
Channel				64734	65600	66466	
Frequency (MHz)				3710.01	3840	3939.99	
20	QPSK	1	1	22.26	22.45	22.22	23.0
Channel				64700	65600	66500	
Frequency (MHz)				3707.52	3840	3932.48	
15	QPSK	1	1	22.12	22.50	22.12	23.0
Channel				64700	65600	66500	
Frequency (MHz)				3705	3840	3935	
10	QPSK	1	1	22.14	22.46	22.22	23.0

FR1 n77 Part 27Q Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332	633332	633332	MPR (dB)
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	20.06	20.06	20.06	
100	PI2 BPSK	1	137	20.01	20.01	20.01	21.0
100	PI2 BPSK	1	271	19.88	19.88	19.88	0.0
100	PI2 BPSK	135	0	19.94	19.94	19.94	21.0
100	PI2 BPSK	135	69	19.88	19.88	19.88	0.0
100	PI2 BPSK	135	138	20.03	20.03	20.03	21.0
100	PI2 BPSK	270	0	19.91	19.91	19.91	0.0
100	QPSK	1	1	20.11	20.11	20.11	
100	QPSK	1	137	20.06	20.06	20.06	21.0
100	QPSK	1	271	20.07	20.07	20.07	0.0
100	QPSK	135	0	19.91	19.91	19.91	21.0
100	QPSK	135	69	20.06	20.06	20.06	0.0
100	QPSK	135	138	19.99	19.99	19.99	21.0
100	QPSK	270	0	19.98	19.98	19.98	0.0
100	16QAM	1	1	20.08	20.08	20.08	21.0
100	64QAM	1	1	20.08	20.08	20.08	0.0
100	256QAM	1	1	17.58	17.58	17.58	2.0
Channel				633000	633332	633666	Tune-up limit (dB)
Frequency (MHz)				3495	3499.98	3504.99	MPR
90	QPSK	1	1	19.97	20.02	19.99	21.0
Channel				632668	633332	634000	Tune-up limit (dB)
Frequency (MHz)				3490.02	3499.98	3500	MPR
80	QPSK	1	1	19.94	19.94	19.97	21.0
Channel				632334	633332	634332	Tune-up limit (dB)
Frequency (MHz)				3484.01	3499.98	3514.98	MPR
70	QPSK	1	1	19.98	20.00	20.06	21.0
Channel				632000	633332	634666	Tune-up limit (dB)
Frequency (MHz)				3480	3499.98	3519.99	MPR
60	QPSK	1	1	19.92	19.93	20.05	21.0
Channel				631668	633332	635000	Tune-up limit (dB)
Frequency (MHz)				3475.02	3499.98	3525	MPR
50	QPSK	1	1	19.93	20.04	19.92	21.0
Channel				631334	633332	635332	Tune-up limit (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	MPR
40	QPSK	1	1	19.92	20.00	19.99	21.0
Channel				631000	633332	635666	Tune-up limit (dB)
Frequency (MHz)				3465	3499.98	3534.99	MPR
30	QPSK	1	1	19.96	19.98	19.93	21.0
Channel				630668	633332	636000	Tune-up limit (dB)
Frequency (MHz)				3460.02	3499.98	3540	MPR
20	QPSK	1	1	20.05	19.92	20.03	21.0
Channel				630300	633332	636300	Tune-up limit (dB)
Frequency (MHz)				3457.5	3499.98	3542.49	MPR
15	QPSK	1	1	20.07	19.97	19.97	21.0
Channel				630000	633332	636600	Tune-up limit (dB)
Frequency (MHz)				3455.01	3499.98	3544.98	MPR
10	QPSK	1	1	20.03	19.99	19.92	21.0

FR1 n77 HPUE Part 27Q Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633332	633332	633332	MPR (dB)
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	22.69	22.69	22.69	
100	PI2 BPSK	1	137	22.68	22.68	22.68	23.0
100	PI2 BPSK	1	271	22.62	22.62	22.62	0.0
100	PI2 BPSK	135	0	22.61	22.61	22.61	22.5
100	PI2 BPSK	135	69	22.60	22.60	22.60	0.0
100	PI2 BPSK	135	138	22.04	22.04	22.04	22.5
100	PI2 BPSK	270	0	22.18	22.18	22.18	0.0
100	QPSK	1	1	22.75	22.75	22.75	
100	QPSK	1	137	22.68	22.68	22.68	23.0
100	QPSK	1	271	22.71	22.71	22.71	0.0
100	QPSK	135	0	21.50	21.50	21.50	22.0
100	QPSK	135	69	22.65	22.65	22.65	0.0
100	QPSK	135	138	21.47	21.47	21.47	22.0
100	QPSK	270	0	21.54	21.54	21.54	1.0
100	16QAM	1	1	21.82	21.82	21.82	1.0
100	64QAM	1	1	20.13	20.13	20.13	2.5
100	256QAM	1	1	18.09	18.09	18.09	4.5
Channel				633000	633332	633666	Tune-up limit (dB)
Frequency (MHz)				3495	3499.98	3504.99	MPR
90	QPSK	1	1	22.64	22.57	22.67	23.0
Channel				632668	633332	634000	Tune-up limit (dB)
Frequency (MHz)				3490.02	3499.98	3500	MPR
80	QPSK	1	1	22.60	22.57	22.68	23.0
Channel				632334	633332	634332	Tune-up limit (dB)
Frequency (MHz)				3484.01	3499.98	3514.98	MPR
70	QPSK	1	1	22.67	22.69	22.70	23.0
Channel				632000	633332	634666	Tune-up limit (dB)
Frequency (MHz)				3480	3499.98	3519.99	MPR
60	QPSK	1	1	22.61	22.65	22.69	23.0
Channel				631668	633332	635000	Tune-up limit (dB)
Frequency (MHz)				3475.02	3499.98	3525	MPR
50	QPSK	1	1	22.57	22.70	22.69	23.0
Channel				631334	633332	635332	Tune-up limit (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	MPR
40	QPSK	1	1	22.63	22.64	22.69	23.0
Channel				631000	633332	635666	Tune-up limit (dB)
Frequency (MHz)				3465	3499.98	3534.99	MPR
30	QPSK	1	1	22.62	22.70	22.65	23.0
Channel				630668	633332	636000	Tune-up limit (dB)
Frequency (MHz)				3460.02	3499.98	3540	MPR
20	QPSK	1	1	22.59	22.62	22.65	23.0
Channel				630300	633332	636300	Tune-up limit (dB)
Frequency (MHz)				3457.5	3499.98	3542.49	MPR
15	QPSK	1	1	22.58	22.64	22.58	23.0
Channel				630000	633332	636600	Tune-up limit (dB)
Frequency (MHz)				3455.01	3499.98	3544.98	MPR
10	QPSK	1	1	22.63	22.62	22.60	23.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	Plv2 BPSK	1	1	19.31				
100	Plv2 BPSK	1	137	19.39			20.0	0.0
100	Plv2 BPSK	1	271	19.29				
100	Plv2 BPSK	135	0	19.41			20.0	0.0
100	Plv2 BPSK	135	89	19.38			20.0	0.0
100	Plv2 BPSK	135	138	19.33			20.0	0.0
100	Plv2 BPSK	270	0	19.29				
100	QPSK	1	1	19.42				
100	QPSK	1	137	18.79			20.0	0.0
100	QPSK	1	271	18.77				
100	QPSK	135	0	19.26			20.0	0.0
100	QPSK	135	89	19.32			20.0	0.0
100	QPSK	135	138	19.11			20.0	0.0
100	QPSK	270	0	19.10				
100	16QAM	1	1	19.35			20.0	0.0
100	64QAM	1	1	19.74			20.0	0.0
100	256QAM	1	1	17.47			18.0	2.0
Channel				649688	650000	650332	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3754.98	lim.	(dB)
90	QPSK	1	1	19.28	19.26	19.28	20.0	0.0
Channel				649334	650000	650666	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3759.99	lim.	(dB)
80	QPSK	1	1	19.29	19.37	19.24	20.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	lim.	(dB)
70	QPSK	1	1	19.33	19.28	19.25	20.0	0.0
Channel				648666	650000	651332	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3769.98	lim.	(dB)
60	QPSK	1	1	19.25	19.34	19.26	20.0	0.0
Channel				648334	650000	651666	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3774.99	lim.	(dB)
50	QPSK	1	1	19.34	19.27	19.30	20.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	lim.	(dB)
40	QPSK	1	1	19.25	19.32	19.33	20.0	0.0
Channel				647666	650000	652332	Tune-up	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	lim.	(dB)
30	QPSK	1	1	19.28	19.29	19.35	20.0	0.0
Channel				647334	650000	652666	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3789.99	lim.	(dB)
20	QPSK	1	1	19.31	19.38	19.34	20.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.48	lim.	(dB)
15	QPSK	1	1	19.23	19.30	19.35	20.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	lim.	(dB)
10	QPSK	1	1	19.24	19.29	19.25	20.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	Plv2 BPSK	1	1	22.35				
100	Plv2 BPSK	1	137	22.37			23.0	0.0
100	Plv2 BPSK	1	271	22.35				
100	Plv2 BPSK	135	0	21.78			22.5	0.5
100	Plv2 BPSK	135	89	22.40			23.0	0.0
100	Plv2 BPSK	135	138	21.91			22.5	0.5
100	Plv2 BPSK	270	0	22.46				
100	QPSK	1	1	22.41				
100	QPSK	1	137	22.34			23.0	0.0
100	QPSK	1	271	22.27				
100	QPSK	135	0	21.44			22.0	1.0
100	QPSK	135	89	22.43			23.0	0.0
100	QPSK	135	138	21.26			22.0	1.0
100	QPSK	270	0	21.35				
100	16QAM	1	1	21.19			22.0	1.0
100	64QAM	1	1	19.84			20.5	2.5
100	256QAM	1	1	17.85			18.5	4.5
Channel				649688	650000	650332	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3754.98	lim.	(dB)
90	QPSK	1	1	22.30	22.41	22.41	23.0	0.0
Channel				649334	650000	650666	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3759.99	lim.	(dB)
80	QPSK	1	1	22.30	22.33	22.30	23.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	lim.	(dB)
70	QPSK	1	1	22.30	22.28	22.35	23.0	0.0
Channel				648666	650000	651332	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3769.98	lim.	(dB)
60	QPSK	1	1	22.33	22.32	22.29	23.0	0.0
Channel				648334	650000	651666	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3774.99	lim.	(dB)
50	QPSK	1	1	22.41	22.29	22.36	23.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	lim.	(dB)
40	QPSK	1	1	22.37	22.29	22.35	23.0	0.0
Channel				647666	650000	652332	Tune-up	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	lim.	(dB)
30	QPSK	1	1	22.30	22.31	22.28	23.0	0.0
Channel				647334	650000	652666	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3789.99	lim.	(dB)
20	QPSK	1	1	22.40	22.30	22.40	23.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.48	lim.	(dB)
15	QPSK	1	1	22.35	22.27	22.39	23.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	lim.	(dB)
10	QPSK	1	1	22.27	22.39	22.29	23.0	0.0

FR1 n78 Part 27Q Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lower Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel <td>633332</td> <td>3499.98</td> <td></td> <td></td> <td></td> <td></td>				633332	3499.98				
100	Plv2 BPSK	1	1		19.84		21.0	0.0	
100	Plv2 BPSK	1	137		20.00				
100	Plv2 BPSK	1	271		19.89		21.0	0.0	
100	Plv2 BPSK	135	0		19.96		21.0	0.0	
100	Plv2 BPSK	135	89		19.95				
100	Plv2 BPSK	135	138		19.95		21.0	0.0	
100	Plv2 BPSK	270	0		19.88				
100	QPSK	1	1		20.05				
100	QPSK	1	137		19.93		21.0	0.0	
100	QPSK	1	271		19.93				
100	QPSK	135	0		19.85		21.0	0.0	
100	QPSK	135	89		19.87		21.0	0.0	
100	QPSK	135	138		19.83		21.0	0.0	
100	QPSK	270	0		19.85				
100	16QAM	1	1		19.93		21.0	0.0	
100	16QAM	1	1		20.04		21.0	0.0	
100	256QAM	1	1		17.49		19.0	2.0	
Channel <td>633000</td> <td>633332</td> <td>633666</td> <td>Tune-up</td> <td>MPR</td> <td></td>				633000	633332	633666	Tune-up	MPR	
Frequency (MHz) <td>3495</td> <td>3499.98</td> <td>3504.98</td> <td>limit (dB)</td> <td></td> <td></td>				3495	3499.98	3504.98	limit (dB)		
90	QPSK	1	1	19.99	19.90	19.91	21.0	0.0	
Channel <td>632668</td> <td>633332</td> <td>634000</td> <td>Tune-up</td> <td>MPR</td> <td></td>				632668	633332	634000	Tune-up	MPR	
Frequency (MHz) <td>3490.00</td> <td>3499.98</td> <td>3500</td> <td>limit (dB)</td> <td></td> <td></td>				3490.00	3499.98	3500	limit (dB)		
80	QPSK	1	1	20.01	19.98	19.87	21.0	0.0	
Channel <td>632334</td> <td>633332</td> <td>634332</td> <td>Tune-up</td> <td>MPR</td> <td></td>				632334	633332	634332	Tune-up	MPR	
Frequency (MHz) <td>3485.01</td> <td>3499.98</td> <td>3514.98</td> <td>limit (dB)</td> <td></td> <td></td>				3485.01	3499.98	3514.98	limit (dB)		
70	QPSK	1	1	19.95	19.98	19.89	21.0	0.0	
Channel <td>632000</td> <td>633332</td> <td>634666</td> <td>Tune-up</td> <td>MPR</td> <td></td>				632000	633332	634666	Tune-up	MPR	
Frequency (MHz) <td>3480</td> <td>3499.98</td> <td>3519.98</td> <td>limit (dB)</td> <td></td> <td></td>				3480	3499.98	3519.98	limit (dB)		
60	QPSK	1	1	19.98	19.93	19.94	21.0	0.0	
Channel <td>631666</td> <td>633332</td> <td>635000</td> <td>Tune-up</td> <td>MPR</td> <td></td>				631666	633332	635000	Tune-up	MPR	
Frequency (MHz) <td>3475.00</td> <td>3499.98</td> <td>3525</td> <td>limit (dB)</td> <td></td> <td></td>				3475.00	3499.98	3525	limit (dB)		
50	QPSK	1	1	20.00	19.94	19.90	21.0	0.0	
Channel <td>631334</td> <td>633332</td> <td>635332</td> <td>Tune-up</td> <td>MPR</td> <td></td>				631334	633332	635332	Tune-up	MPR	
Frequency (MHz) <td>3470.01</td> <td>3499.98</td> <td>3529.98</td> <td>limit (dB)</td> <td></td> <td></td>				3470.01	3499.98	3529.98	limit (dB)		
40	QPSK	1	1	19.91	19.93	19.98	21.0	0.0	
Channel <td>631000</td> <td>633332</td> <td>635666</td> <td>Tune-up</td> <td>MPR</td> <td></td>				631000	633332	635666	Tune-up	MPR	
Frequency (MHz) <td>3465</td> <td>3499.98</td> <td>3534.98</td> <td>limit (dB)</td> <td></td> <td></td>				3465	3499.98	3534.98	limit (dB)		
30	QPSK	1	1	20.01	19.95	19.97	21.0	0.0	
Channel <td>630666</td> <td>633332</td> <td>636000</td> <td>Tune-up</td> <td>MPR</td> <td></td>				630666	633332	636000	Tune-up	MPR	
Frequency (MHz) <td>3460.02</td> <td>3499.98</td> <td>3540</td> <td>limit (dB)</td> <td></td> <td></td>				3460.02	3499.98	3540	limit (dB)		
20	QPSK	1	1	19.86	19.89	20.00	21.0	0.0	
Channel <td>630330</td> <td>633332</td> <td>636166</td> <td>Tune-up</td> <td>MPR</td> <td></td>				630330	633332	636166	Tune-up	MPR	
Frequency (MHz) <td>3457.5</td> <td>3499.98</td> <td>3562.49</td> <td>limit (dB)</td> <td></td> <td></td>				3457.5	3499.98	3562.49	limit (dB)		
15	QPSK	1	1	20.01	19.94	19.91	21.0	0.0	
Channel <td>630004</td> <td>633332</td> <td>636332</td> <td>Tune-up</td> <td>MPR</td> <td></td>				630004	633332	636332	Tune-up	MPR	
Frequency (MHz) <td>3455.01</td> <td>3499.98</td> <td>3564.98</td> <td>limit (dB)</td> <td></td> <td></td>				3455.01	3499.98	3564.98	limit (dB)		
10	QPSK	1	1	20.01	19.87	19.94	21.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)						22.33			
100	Plv2 BPSK	1	1			22.46	23.0	0.0	
100	Plv2 BPSK	1	137			22.43			
100	Plv2 BPSK	1	271			21.87	22.5	0.5	
100	Plv2 BPSK	135	0			22.49	23.0	0.0	
100	Plv2 BPSK	135	89			21.84	22.5	0.5	
100	Plv2 BPSK	135	138			22.47			
100	Plv2 BPSK	270	0			22.55	22.0	1.0	
100	QPSK	1	1			22.51	23.0	0.0	
100	QPSK	1	137			22.51			
100	QPSK	1	271			21.41	22.0	1.0	
100	QPSK	135	0			22.42	23.0	0.0	
100	QPSK	135	89			21.36	22.0	1.0	
100	QPSK	135	138			21.35			
100	QPSK	270	0			21.58	22.0	1.0	
100	16QAM	1	1			20.09	20.5	2.5	
100	256QAM	1	1			17.98	18.5	4.5	
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3495	3499.98	3504.98	limit (dB)		
90	QPSK	1	1	22.51	22.47	22.42	23.0	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3490.00	3499.98	3500	limit (dB)		
80	QPSK	1	1	22.49	22.44	22.35	23.0	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)		
70	QPSK	1	1	22.38	22.40	22.49	23.0	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3480	3499.98	3519.98	limit (dB)		
60	QPSK	1	1	22.43	22.41	22.50	23.0	0.0	
Channel				631666	633332	635000	Tune-up	MPR	
Frequency (MHz)				3475.00	3499.98	3525	limit (dB)		
50	QPSK	1	1	22.46	22.37	22.42	23.0	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)		
40	QPSK	1	1	22.44	22.50	22.40	23.0	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3465	3499.98	3534.98	limit (dB)		
30	QPSK	1	1	22.50	22.50	22.36	23.0	0.0	
Channel				630666	633332	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)		
20	QPSK	1	1	22.47	22.42	22.42	23.0	0.0	
Channel				630330	633332	636166	Tune-up	MPR	
Frequency (MHz)				3457.5	3499.98	3562.49	limit (dB)		
15	QPSK	1	1	22.38	22.43	22.42	23.0	0.0	
Channel				630004	633332	636332	Tune-up	MPR	
Frequency (MHz)				3455.01	3499.98	3564.98	limit (dB)		
10	QPSK	1	1	22.45	22.39	22.38	23.0	0.0	

FR1 n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 372000	Middle Ch. / Freq. 376000	High Ch. / Freq. 380000	1000		
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.90	22.91	22.87	24.0	0.0	
20	PI/2 BPSK	1	53	22.85	22.68	22.57			
20	PI/2 BPSK	1	104	22.76	22.79	22.69			
20	PI/2 BPSK	50	0	22.64	22.81	22.82	24.0	0.0	
20	PI/2 BPSK	50	28	22.64	22.92	22.82	24.0	0.0	
20	PI/2 BPSK	50	56	22.80	22.90	22.80	24.0	0.0	
20	PI/2 BPSK	100	0	22.75	22.85	22.92	24.0	0.0	
20	QPSK	1	1	22.97	23.04	23.02	24.0	0.0	
20	QPSK	1	53	22.87	22.87	22.75			
20	QPSK	1	104	22.85	22.88	22.82			
20	QPSK	50	0	22.85	22.88	22.92	24.0	0.0	
20	QPSK	50	28	22.86	22.92	22.90	24.0	0.0	
20	QPSK	50	56	22.86	22.91	22.82	24.0	0.0	
20	QPSK	100	0	22.76	22.85	22.92	24.0	0.0	
20	16QAM	1	1	22.92	23.02	23.01	24.0	0.0	
20	64QAM	1	1	21.55	21.72	21.70	22.5	1.5	
20	256QAM	1	1	19.64	19.70	19.66	20.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.93	22.98	23.02	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.76	22.88	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.83	22.89	22.81	24.0	0.0	

Reduced Power Mode for Receiver on								
FR1 n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 504000	Middle Ch. / Freq. 507000	High Ch. / Freq. 510000		
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.55	22.72	22.75	24.0	0.0
40	PI/2 BPSK	1	108	22.44	22.77	22.69		
40	PI/2 BPSK	1	214	22.72	22.62	22.53		
40	PI/2 BPSK	108	0	22.73	22.70	22.51	24.0	0.0
40	PI/2 BPSK	108	54	22.45	22.67	22.52	24.0	0.0
40	PI/2 BPSK	108	108	22.33	22.82	22.81	24.0	0.0
40	PI/2 BPSK	216	0	22.58	22.75	22.61	24.0	0.0
40	QPSK	1	1	22.73	22.84	22.81		
40	QPSK	1	108	22.61	22.78	22.69		
40	QPSK	1	214	22.72	22.76	22.58	24.0	0.0
40	QPSK	108	0	22.73	22.70	22.60	24.0	0.0
40	QPSK	108	54	22.55	22.83	22.52	24.0	0.0
40	QPSK	108	108	22.52	22.79	22.70	24.0	0.0
40	QPSK	216	0	22.56	22.81	22.67	24.0	0.0
40	16QAM	1	1	22.66	22.67	22.62	24.0	0.0
40	64QAM	1	1	21.32	21.31	21.31	22.5	1.5
40	256QAM	1	1	19.22	19.28	19.22	20.5	3.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.72	22.79	22.77	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.59	22.67	22.71	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.52	22.66	22.75	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.79	22.69	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.59	22.68	22.60	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.61	22.75	22.71	24.0	0.0

FR1 n25 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.96	22.97	22.74	24.0	0.0
40	PI/2 BPSK	1	108	22.87	22.80	22.65		
40	PI/2 BPSK	1	214	22.75	22.82	22.79		
40	PI/2 BPSK	108	0	22.82	22.87	22.76	24.0	0.0
40	PI/2 BPSK	108	54	22.80	22.80	22.80	24.0	0.0
40	PI/2 BPSK	108	108	22.74	22.69	22.80	24.0	0.0
40	PI/2 BPSK	216	0	22.67	22.88	22.65	24.0	0.0
40	QPSK	1	1	22.97	23.02	22.95		
40	QPSK	1	108	22.95	22.86	22.81		
40	QPSK	1	214	22.84	22.81	22.78	24.0	0.0
40	QPSK	108	0	22.80	22.94	22.80	24.0	0.0
40	QPSK	108	54	22.88	22.95	22.83	24.0	0.0
40	QPSK	108	108	22.93	22.81	22.84	24.0	0.0
40	QPSK	216	0	22.76	22.89	22.78	24.0	0.0
40	16QAM	1	1	22.95	22.78	22.77	24.0	0.0
40	64QAM	1	1	21.41	21.48	21.20	22.5	1.5
40	256QAM	1	1	19.54	19.42	19.27	20.5	3.5
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.90	22.89	22.94	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.76	22.98	22.74	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.81	22.99	22.94	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.87	22.95	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	23.01	22.84	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.98	22.91	22.74	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.89	22.94	22.87	24.0	0.0

FR1 n30 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				2310				
Frequency (MHz)								
10	PI/2 BPSK	1	1		22.62		24.0	0.0
10	PI/2 BPSK	1	26		22.62			
10	PI/2 BPSK	1	50		22.56			
10	PI/2 BPSK	25	0		22.80		24.0	0.0
10	PI/2 BPSK	25	14		22.70		24.0	0.0
10	PI/2 BPSK	25	27		22.51		24.0	0.0
10	PI/2 BPSK	50	0		22.66		24.0	0.0
10	QPSK	1	1		22.63			
10	QPSK	1	26		22.65			
10	QPSK	1	50		22.76		24.0	0.0
10	QPSK	25	0		22.75		24.0	0.0
10	QPSK	25	14		22.81		24.0	0.0
10	QPSK	25	27		22.69		24.0	0.0
10	QPSK	50	0		22.72		24.0	0.0
10	16QAM	1	1		22.78		24.0	0.0
10	64QAM	1	1		21.52		22.5	1.5
10	256QAM	1	1		19.35		20.5	3.5
Channel				461500	462000	462500		
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dB)	MPR
5	QPSK	1	1	22.79	22.75	22.77	24.0	0.0

FR1 n66 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000				
Frequency (MHz)				1720				
40	PI/2 BPSK	1	1	23.13	22.97	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.77	22.79	22.80		
40	PI/2 BPSK	1	214	22.61	22.81	22.77		
40	PI/2 BPSK	108	0	23.06	22.84	22.82	24.0	0.0
40	PI/2 BPSK	108	54	22.69	22.84	22.82	24.0	0.0
40	PI/2 BPSK	108	108	22.53	22.75	22.52	24.0	0.0
40	PI/2 BPSK	216	0	22.58	22.75	22.50	24.0	0.0
40	QPSK	1	1	23.12	23.15	23.11		
40	QPSK	1	108	22.84	23.00	22.79		
40	QPSK	1	214	22.81	22.93	22.88	24.0	0.0
40	QPSK	108	0	23.11	23.13	22.97	24.0	0.0
40	QPSK	108	54	22.96	23.15	22.84	24.0	0.0
40	QPSK	108	108	22.74	22.88	22.66	24.0	0.0
40	QPSK	216	0	22.64	22.73	22.59	24.0	0.0
40	16QAM	1	1	22.91	23.11	22.97	24.0	0.0
40	64QAM	1	1	21.84	21.88	21.85	22.5	1.5
40	256QAM	1	1	19.87	20.06	20.05	20.5	3.5
Channel				345500	346000	346500		
Frequency (MHz)				1727.5	1745	1762.5	Tune-up limit (dB)	MPR
35	QPSK	1	1	23.14	23.01	22.96	24.0	0.0
Channel				345000	346000	346000		
Frequency (MHz)				1725	1745	1765	Tune-up limit (dB)	MPR
30	QPSK	1	1	23.02	23.04	22.92	24.0	0.0
Channel				344500	346000	346500		
Frequency (MHz)				1721.5	1745	1767.5	Tune-up limit (dB)	MPR
25	QPSK	1	1	23.02	23.01	22.89	24.0	0.0
Channel				344000	346000	346000		
Frequency (MHz)				1720	1745	1760	Tune-up limit (dB)	MPR
20	QPSK	1	1	23.13	23.10	23.07	24.0	0.0
Channel				343500	346000	346500		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dB)	MPR
15	QPSK	1	1	22.63	22.69	23.03	24.0	0.0
Channel				343000	346000	346500		
Frequency (MHz)				1715	1745	1775	Tune-up limit (dB)	MPR
10	QPSK	1	1	23.04	23.04	23.00	24.0	0.0
Channel				342500	346000	346500		
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dB)	MPR
5	QPSK	1	1	23.07	22.97	23.09	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1850	1880	1900		
Frequency (MHz)								
20	PI/2 BPSK	1	1	19.72	19.85	19.76		
20	PI/2 BPSK	1	53	19.74	19.88	19.82	21.5	0.0
20	PI/2 BPSK	1	104	19.80	19.76	19.73		
20	PI/2 BPSK	50	0	19.87	19.92	19.88	21.5	0.0
20	PI/2 BPSK	50	28	19.89	19.88	19.75	21.5	0.0
20	PI/2 BPSK	50	56	19.86	19.73	19.74		
20	PI/2 BPSK	100	0	19.73	19.79	19.84	21.5	0.0
20	QPSK	1	1	19.94	20.01	19.97		
20	QPSK	1	53	19.77	19.75	19.71	21.5	0.0
20	QPSK	1	104	19.72	19.81	19.92		
20	QPSK	50	0	19.78	19.84	19.82	21.5	0.0
20	QPSK	50	28	19.82	19.98	19.90	21.5	0.0
20	QPSK	50	56	19.81	19.75	19.88		
20	QPSK	100	0	19.69	19.96	19.94	21.5	0.0
20	16QAM	1	1	19.74	19.88	19.78	21.5	0.0
20	64QAM	1	1	19.76	19.93	19.83	21.5	0.0
20	256QAM	1	1	19.69	19.18	19.02	20.5	1.0
Channel				371000	371000	380000	Tune-up	MPR
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)
15	QPSK	1	1	19.81	19.97	19.88	21.5	0.0
Channel				371000	375000	381000	Tune-up	MPR
Frequency (MHz)				1855	1880	1905	limit	(dB)
10	QPSK	1	1	19.83	19.84	19.84	21.5	0.0
Channel				370500	376000	381500	Tune-up	MPR
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)
5	QPSK	1	1	19.79	19.81	19.82	21.5	0.0

FR1 n5 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
Frequency (MHz)								
20	PI/2 BPSK	1	1	21.30	21.29	21.33		
20	PI/2 BPSK	1	53	21.34	21.27	21.15	22.0	0.0
20	PI/2 BPSK	1	104	21.10	21.21	21.29		
20	PI/2 BPSK	50	0	21.34	21.32	21.27	22.0	0.0
20	PI/2 BPSK	50	28	21.18	21.09	21.19	22.0	0.0
20	PI/2 BPSK	50	56	21.28	21.13	21.16		
20	PI/2 BPSK	100	0	21.26	21.22	21.17	22.0	0.0
20	QPSK	1	1	21.34	21.42	21.38		
20	QPSK	1	53	21.28	21.28	21.21	22.0	0.0
20	QPSK	1	104	21.31	21.17	21.30		
20	QPSK	50	0	21.17	21.10	21.32	22.0	0.0
20	QPSK	50	28	21.39	21.41	21.30	22.0	0.0
20	QPSK	50	56	21.09	21.27	21.13		
20	QPSK	100	0	21.31	21.36	21.23	22.0	0.0
20	16QAM	1	1	21.33	21.14	21.28	22.0	0.0
20	64QAM	1	1	21.30	21.10	21.13	22.0	0.0
20	256QAM	1	1	19.95	20.08	20.01	20.5	1.0
Channel				163300	163300	163300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	21.15	21.38	21.22	22.0	0.0
Channel				163300	167300	169300	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	21.17	21.30	21.32	22.0	0.0
Channel				165300	167300	169300	Tune-up	MPR
Frequency (MHz)				824.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	21.25	21.31	21.30	22.0	0.0

FR1 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				2530	2535	2550		
Frequency (MHz)								
40	PI/2 BPSK	1	1	13.89	13.74	13.74		
40	PI/2 BPSK	1	108	13.72	13.86	13.75	15.0	0.0
40	PI/2 BPSK	1	214	13.83	13.79	13.74		
40	PI/2 BPSK	108	0	13.79	13.70	13.88	15.0	0.0
40	PI/2 BPSK	108	54	13.83	13.71	13.78	15.0	0.0
40	PI/2 BPSK	108	108	13.92	13.73	13.89		
40	PI/2 BPSK	216	0	13.94	13.83	13.95	15.0	0.0
40	QPSK	1	1	13.97	14.07	13.94		
40	QPSK	1	108	13.76	13.86	13.88	15.0	0.0
40	QPSK	1	214	13.73	13.83	13.80		
40	QPSK	108	0	13.71	13.75	13.91	15.0	0.0
40	QPSK	108	54	13.82	14.05	13.92	15.0	0.0
40	QPSK	108	108	13.78	13.85	13.94		
40	QPSK	216	0	13.75	14.01	13.91	15.0	0.0
40	16QAM	1	1	13.85	13.74	13.93	15.0	0.0
40	64QAM	1	1	13.77	13.84	13.92	15.0	0.0
40	256QAM	1	1	13.72	13.75	13.79	15.0	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	13.82	13.90	13.75	15.0	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	13.91	13.94	13.88	15.0	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2550	limit	(dB)
20	QPSK	1	1	13.91	13.99	13.75	15.0	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	13.83	13.99	13.82	15.0	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	13.88	13.90	13.75	15.0	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	13.78	13.88	13.88	15.0	0.0

FR1 n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dbm)	MPR (db)	
Channel				705.5	707.5	709.5			
Frequency (MHz)									
15	PI/2 BPSK	1	1	23.08	23.15	23.12			
15	PI/2 BPSK	1	40	22.79	23.02	23.05	24.0	0.0	
15	PI/2 BPSK	1	77	23.25	23.20	23.33			
15	PI/2 BPSK	36	0	23.12	22.93	23.03	24.0	0.0	
15	PI/2 BPSK	36	22	22.85	22.90	23.00	24.0	0.0	
15	PI/2 BPSK	36	43	22.93	22.97	23.10			
15	PI/2 BPSK	75	0	23.30	23.25	22.98	24.0	0.0	
15	QPSK	1	1	23.31	23.39	23.24			
15	QPSK	1	40	23.07	23.20	23.13	24.0	0.0	
15	QPSK	1	77	23.09	23.13	22.96			
15	QPSK	36	0	23.03	23.18	23.18	24.0	0.0	
15	QPSK	36	22	22.91	23.19	23.10	24.0	0.0	
15	QPSK	36	43	22.97	23.07	23.09			
15	QPSK	75	0	23.25	23.27	22.97	24.0	0.0	
15	16QAM	1	1	23.30	23.29	23.10	24.0	0.0	
15	64QAM	1	1	22.01	21.87	21.82	22.5	1.5	
15	256QAM	1	1	19.81	20.00	19.82	20.5	3.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	limit	(db)	
10	QPSK	1	1	23.13	23.31	23.08	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	limit	(db)	
5	QPSK	1	1	23.12	23.28	23.23	24.0	0.0	

FR1 n13 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				759	156400	759			
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.00				
10	PI/2 BPSK	1	26		23.07		24.0		0.0
10	PI/2 BPSK	1	50		22.98				
10	PI/2 BPSK	25	0		22.97		24.0		0.0
10	PI/2 BPSK	25	14		22.87		24.0		0.0
10	PI/2 BPSK	25	27		22.82		24.0		0.0
10	PI/2 BPSK	50	0		22.98				
10	QPSK	1	1		23.12				
10	QPSK	1	26		23.11		24.0		0.0
10	QPSK	1	50		23.09				
10	QPSK	25	0		23.00		24.0		0.0
10	QPSK	25	14		23.05		24.0		0.0
10	QPSK	25	27		23.03		24.0		0.0
10	QPSK	50	0		23.10				
10	16QAM	1	1		23.11		24.0		0.0
10	64QAM	1	1		21.85		22.5		1.5
10	256QAM	1	1		19.82		20.5		3.5
Channel				155900	156400	156900	Tune-up	MPR	
Frequency (MHz)				779.5	782	784.5	limit	(dB)	
5	QPSK	1	1	23.07	22.91	22.92	24.0	0.0	

FR1 n14 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				793	793	793			
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.13		24.0	0.0	
10	PI/2 BPSK	1	26		23.09				
10	PI/2 BPSK	1	50		23.02				
10	PI/2 BPSK	25	0		23.18		24.0	0.0	
10	PI/2 BPSK	25	14		23.18		24.0	0.0	
10	PI/2 BPSK	25	27		23.15		24.0	0.0	
10	PI/2 BPSK	50	0		23.08				
10	QPSK	1	1		23.31		24.0	0.0	
10	QPSK	1	26		23.30				
10	QPSK	1	50		23.22				
10	QPSK	25	0		23.21		24.0	0.0	
10	QPSK	25	14		23.27		24.0	0.0	
10	QPSK	25	27		23.24		24.0	0.0	
10	QPSK	50	0		23.30				
10	16QAM	1	1		23.29		24.0	0.0	
10	64QAM	1	1		21.88		22.5	1.5	
10	256QAM	1	1		19.76		20.5	3.5	
Channel				158100	158600	159100	Tune-up	MPR	
Frequency (MHz)				790.5	793	795.5	limit	(db)	
5	QPSK	1	1	23.30	23.14	23.23	24.0	0.0	

FR1 n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1882.5	1895			
Frequency (MHz)									
40	PI/2 BPSK	1	1	19.87	19.94	19.81			
40	PI/2 BPSK	1	108	19.77	19.99	19.84	21.5	0.0	
40	PI/2 BPSK	1	214	19.82	19.84	19.99			
40	PI/2 BPSK	108	0	19.86	19.90	19.89	21.5	0.0	
40	PI/2 BPSK	108	54	19.79	19.83	20.01	21.5	0.0	
40	PI/2 BPSK	108	108	19.90	19.82	19.86	21.5	0.0	
40	PI/2 BPSK	216	0	19.98	19.85	19.98	21.5	0.0	
40	QPSK	1	1	19.99	20.03	20.01			
40	QPSK	1	108	19.87	19.96	19.90	21.5	0.0	
40	QPSK	1	214	19.81	19.90	19.76			
40	QPSK	108	0	19.82	19.86	19.88	21.5	0.0	
40	QPSK	108	54	19.83	19.98	19.89	21.5	0.0	
40	QPSK	108	108	19.81	19.84	19.81	21.5	0.0	
40	QPSK	216	0	19.88	19.95	19.93	21.5	0.0	
40	16QAM	1	1	20.02	19.97	19.91	21.5	0.0	
40	64QAM	1	1	19.83	19.95	19.88	21.5	0.0	
40	256QAM	1	1	18.99	19.08	18.87	20.5	1.0	
Channel				373500	376500	379500	Tune-up	MPR	
Frequency (MHz)				1882.5	1882.5	1897.5	limit		
35	QPSK	1	1	19.87	19.84	19.92	21.5	0.0	
Channel				373000	376500	380000	Tune-up	MPR	
Frequency (MHz)				1893	1882.5	1902.5	limit	(dB)	
30	QPSK	1	1	19.93	19.90	19.83	21.5	0.0	
Channel				372500	376500	380500	Tune-up	MPR	
Frequency (MHz)				1892.5	1882.5	1902.5	limit	(dB)	
25	QPSK	1	1	19.91	19.91	19.95	21.5	0.0	
Channel				372000	376500	381000	Tune-up	MPR	
Frequency (MHz)				1896	1882.5	1905	limit	(dB)	
20	QPSK	1	1	19.93	19.94	19.96	21.5	0.0	
Channel				371500	376500	381500	Tune-up	MPR	
Frequency (MHz)				1895.5	1882.5	1907.5	limit	(dB)	
15	QPSK	1	1	19.92	19.95	19.92	21.5	0.0	
Channel				371000	376500	382000	Tune-up	MPR	
Frequency (MHz)				1895	1882.5	1910	limit	(dB)	
10	QPSK	1	1	19.92	19.88	19.89	21.5	0.0	
Channel				370500	376500	382500	Tune-up	MPR	
Frequency (MHz)				1894.5	1889.5	1912.5	limit	(dB)	
5	QPSK	1	1	19.93	19.94	19.91	21.5	0.0	

FR1 n26 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.31	21.39	21.42			
20	PI/2 BPSK	1	53	21.32	21.44	21.23	22.0	0.0	
20	PI/2 BPSK	1	104	21.25	21.41	21.40			
20	PI/2 BPSK	50	0	21.39	21.37	21.24	22.0	0.0	
20	PI/2 BPSK	50	28	21.30	21.38	21.39	22.0	0.0	
20	PI/2 BPSK	50	56	21.39	21.21	21.41			
20	PI/2 BPSK	100	0	21.21	21.20	21.43	22.0	0.0	
20	QPSK	1	1	21.36	21.46	21.37			
20	QPSK	1	53	21.25	21.26	21.39	22.0	0.0	
20	QPSK	1	104	21.19	21.41	21.45			
20	QPSK	50	0	21.34	21.38	21.22	22.0	0.0	
20	QPSK	50	28	21.41	21.43	21.32	22.0	0.0	
20	QPSK	50	56	21.31	21.40	21.29			
20	QPSK	100	0	21.30	21.39	21.31	22.0	0.0	
20	16QAM	1	1	21.24	21.34	21.38	22.0	0.0	
20	64QAM	1	1	21.24	21.29	21.22	22.0	0.0	
20	256QAM	1	1	19.86	19.91	19.70	20.5	1.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)									
15	QPSK	1	1	21.27	21.31	21.19	22.0	0.0	
Channel				163800	166300	166800	Tune-up	MPR	
Frequency (MHz)									
10	QPSK	1	1	21.16	21.28	21.19	22.0	0.0	
Channel				163300	166300	166300	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	21.18	21.37	21.33	22.0	0.0	

FR1 n30 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				2310	462000				
Frequency (MHz)									
10	PI/2 BPSK	1	1		17.90		19.0		0.0
10	PI/2 BPSK	1	26		18.00				
10	PI/2 BPSK	1	50		17.89				
10	PI/2 BPSK	25	0		18.10		19.0		0.0
10	PI/2 BPSK	25	14		17.93		19.0		0.0
10	PI/2 BPSK	25	27		18.07		19.0		0.0
10	PI/2 BPSK	50	0		18.02				
10	QPSK	1	1		18.22				
10	QPSK	1	26		17.90		19.0		0.0
10	QPSK	1	50		17.84				
10	QPSK	25	0		17.98		19.0		0.0
10	QPSK	25	14		18.20		19.0		0.0
10	QPSK	25	27		18.12		19.0		0.0
10	QPSK	50	0		18.16				
10	16QAM	1	1		18.01		19.0		0.0
10	64QAM	1	1		18.02		19.0		0.0
10	256QAM	1	1		17.98		19.0		0.0
Channel				461500	462000	462500	Tune-up	limit	
Frequency (MHz)									
5	QPSK	1	1	18.07	18.11	18.17	19.0		

FR1 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				1720	1745	1760			
Frequency (MHz)				1720	1745	1760			
40	PI/2 BPSK	1	1	22.03	22.08	22.03			
40	PI/2 BPSK	1	108	22.01	22.09	22.07	24.0	0.0	
40	PI/2 BPSK	1	214	22.32	22.39	22.36			
40	PI/2 BPSK	108	0	22.20	22.23	22.18	24.0	0.0	
40	PI/2 BPSK	108	54	22.09	22.11	22.12	24.0	0.0	
40	PI/2 BPSK	108	108	22.11	22.32	22.33	24.0	0.0	
40	PI/2 BPSK	216	0	22.37	22.24	22.29			
40	QPSK	1	1	22.44	22.45	22.24			
40	QPSK	1	108	22.20	22.19	22.05	24.0	0.0	
40	QPSK	1	214	22.02	22.15	22.03			
40	QPSK	108	0	22.27	22.24	22.37	24.0	0.0	
40	QPSK	108	54	22.25	22.35	22.25	24.0	0.0	
40	QPSK	108	108	22.12	22.22	22.13	24.0	0.0	
40	QPSK	216	0	22.26	22.32	22.28			
40	16QAM	1	1	22.35	22.44	22.41	24.0	0.0	
40	64QAM	1	1	21.06	21.11	21.02	22.5	1.5	
40	256QAM	1	1	19.08	19.23	19.18	20.5	3.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	22.23	22.40	22.05	24.0	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	22.44	22.25	22.07	24.0	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	22.30	22.37	22.15	24.0	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	22.30	22.26	22.07	24.0	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	22.30	22.26	22.21	24.0	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	22.43	22.25	22.21	24.0	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	22.22	22.43	22.16	24.0	0.0	

FR1 n71 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				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	22.88	22.92	23.03			
20	PI/2 BPSK	1	53	22.49	22.75	22.84	24.0	0.0	
20	PI/2 BPSK	1	104	22.97	22.94	23.12			
20	PI/2 BPSK	50	0	22.82	22.77	22.81	24.0	0.0	
20	PI/2 BPSK	50	28	22.54	22.61	22.74	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.74	22.89	24.0	0.0	
20	PI/2 BPSK	100	0	23.04	22.96	22.82			
20	QPSK	1	1	23.17	23.22	23.18			
20	QPSK	1	53	23.07	23.01	23.10	24.0	0.0	
20	QPSK	1	104	23.10	22.82	22.81			
20	QPSK	50	0	23.04	23.05	23.10	24.0	0.0	
20	QPSK	50	28	22.81	23.12	22.81	24.0	0.0	
20	QPSK	50	56	22.78	23.07	23.00	24.0	0.0	
20	QPSK	100	0	23.14	23.15	22.97			
20	16QAM	1	1	23.17	23.21	22.99	24.0	0.0	
20	64QAM	1	1	22.02	21.82	21.71	22.5	1.5	
20	256QAM	1	1	19.63	20.08	19.68	20.5	3.5	
Channel				134100	135100	136100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	23.00	23.08	23.03	24.0	0.0	
Channel				133500	135100	136600	Tune-up	MPR	
Frequency (MHz)				665	680.5	693	limit	(dB)	
10	QPSK	1	1	22.99	22.94	23.09	24.0	0.0	
Channel				133100	135100	136100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.92	23.04	23.06	24.0	0.0	

FR1 n30 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				462000			24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	23.01				
10	PI/2 BPSK	1	26	22.79				
10	PI/2 BPSK	1	50	22.84			24.0	0.0
10	PI/2 BPSK	25	0	22.87				
10	PI/2 BPSK	25	14	22.86			24.0	0.0
10	PI/2 BPSK	25	27	22.70			24.0	0.0
10	PI/2 BPSK	50	0	22.77				
10	QPSK	1	1	23.08			24.0	0.0
10	QPSK	1	26	22.94				
10	QPSK	1	50	23.05				
10	QPSK	25	0	22.87				
10	QPSK	25	14	22.87			24.0	0.0
10	QPSK	25	27	22.87			24.0	0.0
10	QPSK	50	0	22.92				
10	16QAM	1	1	23.05			24.0	0.0
10	64QAM	1	1	21.79			22.5	1.5
10	256QAM	1	1	19.55			20.5	3.5
Channel				461500	462000	462500	Tune-up limit	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.88	23.00	23.07	24.0	0.0

FR1 n2 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	18.10	18.21	18.07		
20	PI/2 BPSK	1	53	18.06	18.08	18.07	19.0	0.0
20	PI/2 BPSK	1	104	18.04	18.08	18.20		
20	PI/2 BPSK	50	0	18.12	18.19	18.04	19.0	0.0
20	PI/2 BPSK	50	28	18.04	18.18	18.07	19.0	0.0
20	PI/2 BPSK	50	56	18.19	18.15	18.11		
20	PI/2 BPSK	100	0	18.05	18.15	18.01	19.0	0.0
20	QPSK	1	1	18.24	18.28	18.22		
20	QPSK	1	53	18.05	18.06	18.15	19.0	0.0
20	QPSK	1	104	18.06	18.02	18.16		
20	QPSK	50	0	18.12	18.06	18.15	19.0	0.0
20	QPSK	50	28	18.19	18.23	18.17	19.0	0.0
20	QPSK	50	56	18.09	18.19	18.14		
20	QPSK	100	0	18.04	18.16	18.12	19.0	0.0
20	16QAM	1	1	18.21	18.20	18.02	19.0	0.0
20	64QAM	1	1	18.20	18.17	18.02	19.0	0.0
20	256QAM	1	1	18.18	18.11	18.08	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.17	18.14	18.12	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.12	18.11	18.05	19.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.11	18.15	18.13	19.0	0.0

FR1 n25 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	18.30	18.34	18.37		
40	PI/2 BPSK	1	108	18.44	18.48	18.29	19.0	0.0
40	PI/2 BPSK	1	214	18.41	18.34	18.25		
40	PI/2 BPSK	108	0	18.34	18.28	18.28	19.0	0.0
40	PI/2 BPSK	108	54	18.37	18.31	18.31	19.0	0.0
40	PI/2 BPSK	108	108	18.37	18.33	18.34		
40	PI/2 BPSK	216	0	18.35	18.47	18.33	19.0	0.0
40	QPSK	1	1	18.46	18.49	18.41		
40	QPSK	1	108	18.46	18.43	18.32	19.0	0.0
40	QPSK	1	214	18.43	18.31	18.46		
40	QPSK	108	0	18.43	18.43	18.40	19.0	0.0
40	QPSK	108	54	18.37	18.47	18.43	19.0	0.0
40	QPSK	108	108	18.24	18.26	18.40	19.0	0.0
40	QPSK	216	0	18.36	18.40	18.27		
40	16QAM	1	1	18.48	18.43	18.44	19.0	0.0
40	64QAM	1	1	18.44	18.40	18.36	19.0	0.0
40	256QAM	1	1	18.31	18.45	18.37	19.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	18.42	18.40	18.24	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.37	18.38	18.37	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.42	18.34	18.22	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.29	18.31	18.31	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.31	18.45	18.27	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.33	18.42	18.35	19.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.37	18.35	18.30	19.0	0.0

FR1 n66 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	16.35	16.19	16.28		
40	PI/2 BPSK	1	108	16.29	16.36	16.17	17.0	0.0
40	PI/2 BPSK	1	214	16.20	16.30	16.15		
40	PI/2 BPSK	108	0	16.25	16.16	16.35	17.0	0.0
40	PI/2 BPSK	108	54	16.24	16.16	16.23	17.0	0.0
40	PI/2 BPSK	108	108	16.26	16.33	16.18		
40	PI/2 BPSK	216	0	16.16	16.21	16.12	17.0	0.0
40	QPSK	1	1	16.21	16.37	16.32		
40	QPSK	1	108	16.21	16.14	16.17	17.0	0.0
40	QPSK	1	214	16.17	16.22	16.25		
40	QPSK	108	0	16.23	16.20	16.28	17.0	0.0
40	QPSK	108	54	16.22	16.35	16.32	17.0	0.0
40	QPSK	108	108	16.32	16.22	16.17		
40	QPSK	216	0	16.20	16.32	16.30	17.0	0.0
40	16QAM	1	1	16.25	16.25	16.14	17.0	0.0
40	64QAM	1	1	16.31	16.26	16.29	17.0	0.0
40	256QAM	1	1	16.18	16.18	16.26	17.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	16.05	16.24	16.22	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.02	16.20	16.24	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.15	16.20	16.16	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.06	16.25	16.24	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.10	16.31	16.15	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.17	16.28	16.16	17.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	16.13	16.31	16.23	17.0	0.0

FR1 n38 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
2500 2505 2500								
40	PI/2 BPSK	1	1	22.91	22.94	22.85		
40	PI/2 BPSK	1	53	22.70	22.83	22.75	24.0	0.0
40	PI/2 BPSK	1	104	22.70	22.84	22.82		
40	PI/2 BPSK	50	0	22.21	22.42	22.21	23.5	0.5
40	PI/2 BPSK	50	28	22.68	22.89	22.51	24.0	0.0
40	PI/2 BPSK	50	56	22.23	22.32	22.36	23.5	0.5
40	PI/2 BPSK	100	0	22.39	22.41	22.31		
40	QPSK	1	1	22.86	22.95	22.91		
40	QPSK	1	53	22.83	22.88	22.74	24.0	0.0
40	QPSK	1	104	22.86	22.78	22.89		
40	QPSK	50	0	21.67	21.87	21.66	23.0	1.0
40	QPSK	50	28	22.71	22.85	22.79	24.0	0.0
40	QPSK	50	56	21.58	21.90	21.66	23.0	1.0
40	QPSK	100	0	21.75	21.62	21.60		
40	16QAM	1	1	22.19	22.02	22.06	23.0	1.0
40	64QAM	1	1	20.81	20.77	20.62	21.5	2.5
40	256QAM	1	1	18.45	18.54	18.44	19.5	4.5
Channel								
Frequency (MHz)								
2585 2595 2605								
30	QPSK	1	1	22.83	22.83	22.76	24.0	0.0
Channel								
Frequency (MHz)								
2590 2595 2610								
20	QPSK	1	1	22.64	22.93	22.70	24.0	0.0
Channel								
Frequency (MHz)								
2595 2605 2612.5								
15	QPSK	1	1	22.75	22.86	22.73	24.0	0.0
Channel								
Frequency (MHz)								
2615 2605 2615								
10	QPSK	1	1	22.82	22.80	22.83	24.0	0.0

FR1 n41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
509202 518598 528000								
2546.01 2592.99 2640								
100	PI/2 BPSK	1	1	22.26	22.40	22.35		
100	PI/2 BPSK	1	137	22.46	22.38	22.42	24.0	0.0
100	PI/2 BPSK	1	271	22.44	22.45	22.37		
100	PI/2 BPSK	135	0	22.32	22.46	22.30	24.0	0.0
100	PI/2 BPSK	135	69	22.17	22.01	22.16	24.0	0.0
100	PI/2 BPSK	135	138	22.14	22.25	22.06	24.0	0.0
100	PI/2 BPSK	270	0	22.20	22.51	22.15	24.0	0.0
100	QPSK	1	1	22.20	22.53	22.38		
100	QPSK	1	137	22.05	22.25	22.41	24.0	0.0
100	QPSK	1	271	22.28	22.39	22.26		
100	QPSK	135	0	22.25	22.21	22.15	24.0	0.0
100	QPSK	135	69	22.19	22.23	22.17	24.0	0.0
100	QPSK	135	138	22.23	22.27	22.22	24.0	0.0
100	QPSK	270	0	22.25	22.44	22.22	24.0	0.0
100	16QAM	1	1	22.36	22.35	22.18	24.0	0.0
100	64QAM	1	1	22.22	22.42	22.32	24.0	0.0
100	256QAM	1	1	20.81	20.92	20.74	22.5	1.5
Channel								
Frequency (MHz)								
508200 518598 528996								
2541 2592.99 2644.98								
90	QPSK	1	1	22.18	22.38	22.21	24.0	0.0
Channel								
Frequency (MHz)								
507204 518598 529998								
80	QPSK	1	1	22.16	22.39	22.34	24.0	0.0
Channel								
Frequency (MHz)								
506202 518598 531000								
70	QPSK	1	1	22.01	22.46	22.26	24.0	0.0
Channel								
Frequency (MHz)								
505200 518598 531996								
60	QPSK	1	1	22.19	22.39	22.30	24.0	0.0
Channel								
Frequency (MHz)								
504204 518598 532998								
50	QPSK	1	1	22.08	22.38	22.17	24.0	0.0
Channel								
Frequency (MHz)								
503202 518598 534000								
40	QPSK	1	1	22.02	22.47	22.27	24.0	0.0
Channel								
Frequency (MHz)								
502200 518598 534996								
30	QPSK	1	1	22.05	22.47	22.30	24.0	0.0
Channel								
Frequency (MHz)								
501204 518598 535998								
20	QPSK	1	1	22.09	22.36	22.15	24.0	0.0
Channel								
Frequency (MHz)								
500202 518598 537000								
15	QPSK	1	1	22.05	22.44	22.36	24.0	0.0
Channel								
Frequency (MHz)								
499200 518598 539000								
10	QPSK	1	1	22.21	22.47	22.16	24.0	0.0

FR1 n41_HPUE Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up time (dbm)	MPR (db)
Channel								
Frequency (MHz)								
2546.01 2592.99 2640								
100	PI/2 BPSK	1	1	25.21	25.16	25.14		
100	PI/2 BPSK	1	137	25.34	25.34	25.31	27.0	0.0
100	PI/2 BPSK	1	271	25.13	25.17	25.13		
100	PI/2 BPSK	135	0	24.72	24.77	24.64	26.5	0.5
100	PI/2 BPSK	135	69	25.70	25.70	25.56	27.0	0.0
100	PI/2 BPSK	135	138	24.70	24.86	24.82	26.5	0.5
100	PI/2 BPSK	270	0	24.62	24.61	24.70		
100	QPSK	1	1	25.46	25.72	25.55		
100	QPSK	1	137	25.15	25.21	25.02	27.0	0.0
100	QPSK	1	271	25.43	25.65	25.45		
100	QPSK	135	0	24.40	24.40	24.39	26.0	1.0
100	QPSK	135	69	25.15	25.42	25.26	27.0	0.0
100	QPSK	135	138	24.55	24.63	24.65	26.0	1.0
100	QPSK	270	0	24.30	24.31	24.14		
100	16QAM	1	1	24.41	24.50	24.45	26.0	1.0
100	64QAM	1	1	22.95	23.14	23.03	24.5	2.5
100	256QAM	1	1	20.99	21.06	21.06	22.5	4.5
Channel								
Frequency (MHz)								
508200 518598 528996								
2541 2592.99 2644.98								
90	QPSK	1	1	25.38	25.54	25.57	27.0	0.0
Channel								
Frequency (MHz)								
507204 518598 528998								
2536.02 2592.99 2649.99								
80	QPSK	1	1	25.28	25.65	25.53	27.0	0.0
Channel								
Frequency (MHz)								
506200 518598 531000								
70	QPSK	1	1	25.33	25.68	25.47	27.0	0.0
Channel								
Frequency (MHz)								
505200 518598 531996								
60	QPSK	1	1	25.25	25.60	25.44	27.0	0.0
Channel								
Frequency (MHz)								
504204 518598 532998								
50	QPSK	1	1	25.24	25.57	25.41	27.0	0.0
Channel								
Frequency (MHz)								
503202 518598 534000								
40	QPSK	1	1	25.13	25.02	25.07	27.0	0.0
Channel								
Frequency (MHz)								
502200 518598 534996								
30	QPSK	1	1	25.11	25.92	26.74	27.0	0.0
30	QPSK	1	1	25.17	25.50	25.41	27.0	0.0
Channel								
Frequency (MHz)								
501204 518598 535998								
20	QPSK	1	1	25.06	25.92	26.79	27.0	0.0
Channel								
Frequency (MHz)								
500200 518598 537000								
15	QPSK	1	1	25.03	25.92	26.85	27.0	0.0
15	QPSK	1	1	25.03	25.54	25.44	27.0	0.0
Channel								
Frequency (MHz)								
500202 518598 537000								
10	QPSK	1	1	25.02	25.92	26.85	27.0	0.0
10	QPSK	1	1	25.32	25.53	25.48	27.0	0.0

FR1 n38 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				2500	2595	2600		
Frequency (MHz)								
40	PI/2 BPSK	1	1	13.89	13.88	14.08		
40	PI/2 BPSK	1	53	14.10	14.04	13.93	15.0	0.0
40	PI/2 BPSK	1	104	14.08	13.88	13.95		
40	PI/2 BPSK	50	0	13.95	14.08	14.04	15.0	0.0
40	PI/2 BPSK	50	28	13.99	13.86	13.93	15.0	0.0
40	PI/2 BPSK	50	56	13.99	14.03	13.98	15.0	0.0
40	PI/2 BPSK	100	0	13.97	14.02	13.98	15.0	0.0
40	QPSK	1	1	14.06	14.18	14.16		
40	QPSK	1	53	14.00	13.92	14.03	15.0	0.0
40	QPSK	1	104	14.08	13.92	14.06		
40	QPSK	50	0	13.89	13.95	14.05	15.0	0.0
40	QPSK	50	28	14.07	14.15	14.03	15.0	0.0
40	QPSK	50	56	13.87	13.84	13.95	15.0	0.0
40	QPSK	100	0	14.06	14.13	14.05		
40	16QAM	1	1	13.96	13.98	13.97	15.0	0.0
40	64QAM	1	1	14.00	14.00	14.01	15.0	0.0
40	256QAM	1	1	14.05	13.96	14.04	15.0	0.0
Channel				519000	519000	520000	Tune-up limit	MPR
Frequency (MHz)				2585	2595	2605		
30	QPSK	1	1	13.95	13.99	14.05	15.0	0.0
Channel				519000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	13.94	14.04	14.04	15.0	0.0
Channel				519500	519000	522500	Tune-up limit	MPR
Frequency (MHz)				2597.5	2595	2612.5		
15	QPSK	1	1	13.96	14.00	14.07	15.0	0.0
Channel				519000	519000	523000	Tune-up limit	MPR
Frequency (MHz)				2615	2595	2615		
10	QPSK	1	1	13.90	14.03	14.02	15.0	0.0

FR1 n41_PC3/PC2 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				2546.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	14.00	14.08	14.04		
100	PI/2 BPSK	1	137	14.14	13.90	14.10	15.0	0.0
100	PI/2 BPSK	1	271	14.07	14.10	14.03		
100	PI/2 BPSK	135	0	14.08	13.91	14.01	15.0	0.0
100	PI/2 BPSK	135	69	13.95	13.92	14.02	15.0	0.0
100	PI/2 BPSK	135	138	13.89	13.89	14.14	15.0	0.0
100	PI/2 BPSK	270	0	13.89	14.13	14.09		
100	QPSK	1	1	14.15	14.21	14.19		
100	QPSK	1	137	13.92	14.10	14.09	15.0	0.0
100	QPSK	1	271	14.03	14.13	14.03		
100	QPSK	135	0	14.04	14.06	14.02	15.0	0.0
100	QPSK	135	69	14.10	14.18	14.12	15.0	0.0
100	QPSK	135	138	13.91	14.06	13.92	15.0	0.0
100	QPSK	270	0	14.13	14.16	14.08		
100	16QAM	1	1	13.95	13.98	13.96	15.0	0.0
100	64QAM	1	1	14.05	13.93	13.97	15.0	0.0
100	256QAM	1	1	13.89	14.11	13.91	15.0	0.0
Channel				506200	518598	530996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.00	14.13	14.14	15.0	0.0
Channel				507204	518598	530998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.06	14.01	14.10	15.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.97	14.03	14.04	15.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2524.02	2592.99	2659.98		
60	QPSK	1	1	13.96	14.04	14.12	15.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2524.02	2592.99	2664.99		
50	QPSK	1	1	14.09	14.04	14.01	15.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.08	14.10	14.00	15.0	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.09	14.06	14.00	15.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.06	14.17	14.09	15.0	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	14.08	14.09	14.05	15.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	14.08	14.02	14.10	15.0	0.0

FR1 n38 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				518000	518000	520000		
Frequency (MHz)				2590	2595	2600		
40	PIQ2 BPSK	1	1	22.85	22.97	22.83		
40	PIQ2 BPSK	1	53	22.79	23.00	22.91	24.0	0.0
40	PIQ2 BPSK	1	104	22.97	23.06	22.91		
40	PIQ2 BPSK	50	0	22.30	22.44	22.42	23.5	0.5
40	PIQ2 BPSK	50	23	22.91	22.98	22.92	24.0	0.0
40	PIQ2 BPSK	50	56	22.46	22.50	22.48		
40	PIQ2 BPSK	100	0	22.34	22.41	22.29	23.5	0.5
40	QPSK	1	1	23.06	23.03	23.01		
40	QPSK	1	53	23.06	23.06	23.06	24.0	0.0
40	QPSK	1	104	22.99	22.99	22.98		
40	QPSK	50	0	21.82	21.98	21.79	23.0	1.0
40	QPSK	50	23	22.78	23.00	22.93	24.0	0.0
40	QPSK	50	56	21.88	21.97	21.84		
40	QPSK	100	0	21.87	21.94	21.87	23.0	1.0
40	16QAM	1	1	22.04	22.18	22.17	23.0	1.0
40	16QAM	1	1	20.63	20.72	20.73	21.5	2.5
40	256QAM	1	1	18.62	18.62	18.54	19.5	4.5
Channel				517000	518000	521000	Tune-up limit (dB)	MPR
Frequency (MHz)				2585	2595	2605		
30	QPSK	1	1	22.99	22.95	22.91	24.0	0.0
Channel				516000	518000	520000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.96	22.88	22.88	24.0	0.0
Channel				515500	518000	522500	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	1	22.85	22.95	22.91	24.0	0.0
Channel				515000	518000	523000	Tune-up limit (dB)	MPR
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	1	23.04	22.99	22.80	24.0	0.0

FR1 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				509000	518596	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PIQ2 BPSK	1	1	22.61	22.50	22.56		
100	PIQ2 BPSK	1	137	22.54	22.83	22.52	24.0	0.0
100	PIQ2 BPSK	1	271	22.49	22.80	22.72		
100	PIQ2 BPSK	135	0	22.49	22.41	22.40	24.0	0.0
100	PIQ2 BPSK	135	89	22.44	22.55	22.45	24.0	0.0
100	PIQ2 BPSK	135	138	22.51	22.80	22.58	24.0	0.0
100	PIQ2 BPSK	270	0	22.60	22.55	22.49		
100	QPSK	1	1	22.75	22.86	22.83		
100	QPSK	1	137	22.82	22.80	22.78	24.0	0.0
100	QPSK	1	271	22.74	22.68	22.78		
100	QPSK	135	0	22.48	22.48	22.37	24.0	0.0
100	QPSK	135	89	22.72	22.85	22.81	24.0	0.0
100	QPSK	135	138	22.50	22.55	22.67	24.0	0.0
100	QPSK	270	0	22.63	22.81	22.55		
100	16QAM	1	1	22.78	22.86	22.82	24.0	0.0
100	16QAM	1	1	22.70	22.70	22.75	24.0	0.0
100	256QAM	1	1	21.17	21.35	21.28	22.5	1.5
Channel				508000	518596	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.59	22.77	22.67	24.0	0.0
Channel				507000	518596	529996	Tune-up limit (dB)	MPR
Frequency (MHz)				2534.01	2592.99	2648.99		
80	QPSK	1	1	22.70	22.67	22.65	24.0	0.0
Channel				506000	518596	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.66	22.70	22.74	24.0	0.0
Channel				505000	518596	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2529	2592.99	2659.96		
60	QPSK	1	1	22.60	22.82	22.70	24.0	0.0
Channel				504000	518596	532996	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2664.96		
50	QPSK	1	1	22.67	22.70	22.66	24.0	0.0
Channel				503000	518596	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2519.01	2592.99	2670		
40	QPSK	1	1	22.69	22.81	22.65	24.0	0.0
Channel				502000	518596	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.65	22.72	22.64	24.0	0.0
Channel				501000	518596	535996	Tune-up limit (dB)	MPR
Frequency (MHz)				2508.02	2592.99	2679.98		
20	QPSK	1	1	22.69	22.79	22.68	24.0	0.0
Channel				500000	518596	536996	Tune-up limit (dB)	MPR
Frequency (MHz)				2503.05	2592.99	2682.48		
15	QPSK	1	1	22.57	22.70	22.68	24.0	0.0
Channel				500000	518596	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.64	22.77	22.73	24.0	0.0

FR1 n41_HPUE 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)
Channel				505202	518586	530300	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	23.81	23.99	23.82	
100	PI2 BPSK	1	137	23.97	23.93	24.05	25.0
100	PI2 BPSK	1	271	23.84	23.98	23.94	
100	PI2 BPSK	135	0	23.97	23.81	23.81	25.0
100	PI2 BPSK	135	69	24.06	23.83	24.02	25.0
100	PI2 BPSK	135	138	23.81	23.94	23.99	25.0
100	PI2 BPSK	270	0	23.84	24.01	23.81	
100	QPSK	1	1	24.00	24.07	24.03	
100	QPSK	1	137	23.99	23.94	23.93	25.0
100	QPSK	1	271	23.84	24.04	23.83	
100	QPSK	135	0	23.91	23.83	23.98	25.0
100	QPSK	135	69	23.84	24.05	24.01	25.0
100	QPSK	135	138	23.84	24.04	23.82	25.0
100	QPSK	270	0	23.89	23.95	23.91	
100	16QAM	1	1	23.84	23.97	23.84	25.0
100	16QAM	1	1	22.07	23.19	23.14	24.0
100	256QAM	1	1	21.06	21.15	20.93	22.0
Channel				508200	518586	529986	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.95	23.88	23.98	25.0
Channel				507204	518586	529988	
Frequency (MHz)				2536.02	2592.99	2648.99	
80	QPSK	1	1	23.90	23.97	23.86	25.0
Channel				506202	518586	531000	
Frequency (MHz)				2531.01	2592.99	2665	
70	QPSK	1	1	23.81	24.01	23.88	25.0
Channel				505200	518586	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.95	23.98	23.91	25.0
Channel				504204	518586	532988	
Frequency (MHz)				2521.02	2592.99	2664.99	
60	QPSK	1	1	23.81	23.91	23.90	25.0
Channel				503202	518586	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.80	23.93	23.84	25.0
Channel				502200	518586	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.84	23.98	23.91	25.0
Channel				501204	518586	535996	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.90	24.00	23.97	25.0
Channel				500200	518586	536996	
Frequency (MHz)				2501.5	2592.99	2682.48	
15	QPSK	1	1	23.84	23.88	23.85	25.0
Channel				500202	518586	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.84	23.99	23.94	25.0

FR1 n48 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)
Channel				636000	641666	646332	
Frequency (MHz)				3070	3624.99	3678.98	
40	PI2 BPSK	1	1	20.84	20.80	20.85	
40	PI2 BPSK	1	53	20.82	20.71	20.79	22.0
40	PI2 BPSK	1	104	20.83	20.84	20.82	
40	PI2 BPSK	50	0	20.74	20.72	20.80	22.0
40	PI2 BPSK	50	28	20.85	20.83	20.70	22.0
40	PI2 BPSK	50	56	20.70	20.86	20.76	22.0
40	PI2 BPSK	100	0	20.77	20.87	20.81	
40	QPSK	1	1	20.80	20.84	20.85	
40	QPSK	1	53	20.76	20.81	20.87	22.0
40	QPSK	1	104	20.89	20.76	20.74	
40	QPSK	50	0	20.81	20.89	20.77	
40	QPSK	50	28	20.88	20.82	20.87	22.0
40	QPSK	50	56	20.72	20.87	20.85	
40	QPSK	100	0	20.76	20.88	20.87	22.0
40	16QAM	1	1	20.70	20.89	20.78	22.0
40	16QAM	1	1	20.75	20.98	20.90	22.0
40	256QAM	1	1	19.42	19.54	19.53	20.0
Channel				637668	641666	645666	
Frequency (MHz)				3665.00	3634.99	3664.99	
30	QPSK	1	1	20.80	20.77	20.79	22.0
Channel				637334	641666	646000	
Frequency (MHz)				3661.01	3634.99	3660	
20	QPSK	1	1	20.77	20.87	20.84	22.0
Channel				637168	641666	648166	
Frequency (MHz)				3657.52	3634.99	3662.49	
15	QPSK	1	1	20.80	20.83	20.85	22.0
Channel				637000	641666	648332	
Frequency (MHz)				3655	3634.99	3664.98	
10	QPSK	1	1	20.82	20.81	20.75	22.0

FR1 n77 PC3/PC2 Part 270 Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	18.79	18.96	18.83	
100	PI2 BPSK	1	137	18.86	18.80	18.75	19.5
100	PI2 BPSK	1	271	18.77	18.75	18.95	
100	PI2 BPSK	135	0	18.83	18.83	18.86	19.5
100	PI2 BPSK	135	69	18.90	18.85	18.78	19.5
100	PI2 BPSK	135	138	18.75	18.98	18.84	19.5
100	PI2 BPSK	270	0	18.85	18.78	18.92	
100	QPSK	1	1	18.92	18.07	18.04	
100	QPSK	1	137	18.79	18.89	18.98	19.5
100	QPSK	1	271	18.85	18.82	18.91	
100	QPSK	135	0	18.85	18.81	18.89	19.5
100	QPSK	135	69	18.90	18.05	18.01	19.5
100	QPSK	135	138	18.85	18.82	18.82	19.5
100	QPSK	270	0	18.98	18.03	18.01	19.5
100	16QAM	1	1	18.75	18.78	18.98	19.5
100	64QAM	1	1	18.68	18.84	18.74	19.5
100	256QAM	1	1	18.97	18.88	18.83	19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.90	18.91	18.87	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.83	18.90	18.97	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.84	18.02	18.97	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.82	18.99	18.85	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.94	18.93	18.87	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.97	18.88	18.88	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.95	18.92	18.89	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.90	18.96	18.93	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.97	18.90	18.95	19.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.92	18.89	18.95	19.5

FR1 n77 PC3/PC2 Part 27Q Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633332	Power Middle Ch. / Freq. 633332	Power High Ch. / Freq. 633332	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1		18.98		
100	PI2 BPSK	1	137		18.83		19.5
100	PI2 BPSK	1	271		19.00		
100	PI2 BPSK	135	0		18.76		19.5
100	PI2 BPSK	135	69		18.85		19.5
100	PI2 BPSK	135	138		18.78		19.5
100	PI2 BPSK	270	0		18.88		
100	QPSK	1	1		18.99		
100	QPSK	1	137		18.85		19.5
100	QPSK	1	271		18.90		
100	QPSK	135	0		19.00		19.5
100	QPSK	135	69		18.05		19.5
100	QPSK	135	138		19.00		19.5
100	QPSK	270	0		18.02		
100	16QAM	1	1		18.80		19.5
100	64QAM	1	1		18.95		19.5
100	256QAM	1	1		18.75		19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.94	18.98	18.91	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.91	18.97	19.04	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.95	19.01	19.05	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	19.01	18.94	19.03	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.94	19.02	19.02	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.96	18.91	18.91	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.99	18.90	18.98	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.03	19.05	19.04	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.95	18.96	18.91	19.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.04	18.92	19.01	19.5

FR1 n78_PC3/PC2 Part 270 Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	18.90			
100	PI2 BPSK	1	137	18.78			
100	PI2 BPSK	1	271	18.07			
100	PI2 BPSK	135	0	18.71		19.5	0.0
100	PI2 BPSK	135	69	18.50		19.5	0.0
100	PI2 BPSK	135	138	18.85		19.5	0.0
100	PI2 BPSK	270	0	18.88			
100	QPSK	1	1	18.15			
100	QPSK	1	137	18.82		19.5	0.0
100	QPSK	1	271	18.85			
100	QPSK	135	0	18.93		19.5	0.0
100	QPSK	135	69	18.13		19.5	0.0
100	QPSK	135	138	19.00		19.5	0.0
100	QPSK	270	0	19.11			
100	16QAM	1	1	18.75		19.5	0.0
100	64QAM	1	1	19.04		19.5	0.0
100	256QAM	1	1	18.65		19.5	0.0
Channel				649688	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	19.07	19.10	19.00	19.5
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3749.01	3750	3750.99	limit (dB)
80	QPSK	1	1	18.99	18.99	19.02	19.5
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3746	3750	3754	limit (dB)
70	QPSK	1	1	19.01	18.99	19.06	19.5
Channel				648688	650000	651332	Tune-up
Frequency (MHz)				3743.02	3750	3756.98	limit (dB)
60	QPSK	1	1	19.00	18.97	18.99	19.5
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3740.01	3750	3759.99	limit (dB)
50	QPSK	1	1	19.12	19.01	19.07	19.5
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3737.01	3750	3762.99	limit (dB)
40	QPSK	1	1	19.11	19.03	19.01	19.5
Channel				647688	650000	652332	Tune-up
Frequency (MHz)				3735.02	3750.00	3764.98	limit (dB)
30	QPSK	1	1	18.99	19.00	19.11	19.5
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3730.01	3750	3769.99	limit (dB)
20	QPSK	1	1	19.02	19.04	19.05	19.5
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3707.52	3750	3762.48	limit (dB)
15	QPSK	1	1	19.05	19.02	18.99	19.5
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3705	3750	3755	limit (dB)
10	QPSK	1	1	18.99	19.03	19.06	19.5

FR1 n78_PC3/PC2 Part 27Q Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	19.01			
100	PI2 BPSK	1	137	18.90			
100	PI2 BPSK	1	271	18.99			
100	PI2 BPSK	135	0	18.74		19.5	0.0
100	PI2 BPSK	135	69	18.82		19.5	0.0
100	PI2 BPSK	135	138	18.74		19.5	0.0
100	PI2 BPSK	270	0	18.82			
100	QPSK	1	1	18.11			
100	QPSK	1	137	18.88		19.5	0.0
100	QPSK	1	271	18.94			
100	QPSK	135	0	18.92		19.5	0.0
100	QPSK	135	69	18.08		19.5	0.0
100	QPSK	135	138	19.06		19.5	0.0
100	QPSK	270	0	19.02			
100	16QAM	1	1	18.77		19.5	0.0
100	64QAM	1	1	18.91		19.5	0.0
100	256QAM	1	1	18.88		19.5	0.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	18.97	19.07	19.06	19.5
Channel				632688	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3509.99	limit (dB)
80	QPSK	1	1	18.95	19.04	19.03	19.5
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	19.01	18.93	18.92	19.5
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	18.95	18.95	19.00	19.5
Channel				631688	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3505.99	limit (dB)
50	QPSK	1	1	19.05	18.91	18.94	19.5
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3509.98	limit (dB)
40	QPSK	1	1	18.99	18.92	19.00	19.5
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3504.99	limit (dB)
30	QPSK	1	1	18.92	18.95	18.95	19.5
Channel				630688	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3509.98	limit (dB)
20	QPSK	1	1	19.03	18.94	18.93	19.5
Channel				630500	633332	636166	Tune-up
Frequency (MHz)				3457.5	3499.98	3502.49	limit (dB)
15	QPSK	1	1	18.91	18.93	19.05	19.5
Channel				630334	633332	636332	Tune-up
Frequency (MHz)				3455.01	3499.98	3504.98	limit (dB)
10	QPSK	1	1	18.99	18.95	18.96	19.5

FR1 n38 Ant 3									
BV (MHz)	Modulation	RB Size	RB Offset	Power Low C ₁ / F _{max}	Power Mid C ₂ / F _{max}	Power High C ₃ / F _{max}	Tune-up (mV)	MPS (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	21.55	21.52	21.56			23.0	0.0
40	P12 BPSK	1	21.47	21.52	21.53				
40	P12 BPSK	104	21.45	21.48	21.49				
40	P12 BPSK	50	0	21.02	21.59	21.04	22.5		
40	P12 BPSK	50	0	21.45	21.51	21.48	23.0		
40	P12 BPSK	50	50	20.85	21.57	20.88	22.5	0.5	
40	P12 BPSK	100	0	21.04	21.56	21.07			
40	QPSK	1	1	21.69	21.65	21.62			
40	QPSK	1	53	21.49	21.53	21.55	23.0	0.0	
40	QPSK	1	104	21.63	21.65	21.68			
40	QPSK	50	0	20.54	20.89	20.55	23.0	1.0	
40	QPSK	50	20	21.43	21.51	21.42	23.0	0.0	
40	QPSK	50	40	20.42	20.41	20.41	22.0	1.0	
40	QPSK	100	0	20.41	20.39	20.44			
40	BQAM	1	1	21.71	21.68	21.74	23.5	1.5	
40	BQAM	1	1	20.28	20.50	20.36	20.0	2.5	
40	BQAM	1	1	21.71	21.68	21.74	23.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.70	21.69	21.75	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.70	21.61	21.74	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.72	21.70	21.74	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.75	21.68	21.71	23.0	0.0	

FR1 n41 Ant 3									
BV (MHz)	Modulation	RB Size	RB Offset	Power Low C ₁ / F _{max}	Power Mid C ₂ / F _{max}	Power High C ₃ / F _{max}	Tune-up (mV)	MPS (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	21.37	21.61	21.39		23.0	0.0
100	P12 BPSK	1	137	21.52	21.72	21.52			
100	P12 BPSK	1	271	21.53	21.74	21.53			
100	P12 BPSK	136	0	21.27	21.58	21.31			
100	P12 BPSK	136	40	21.54	21.59	21.58	23.0	0.0	
100	P12 BPSK	136	136	21.56	21.54	21.54	23.0	0.0	
100	P12 BPSK	270	0	21.37	21.59	21.33			
100	BQAM	1	1	21.64	21.74	21.61	23.0	0.0	
100	BQAM	1	1	21.54	21.72	21.51	23.0	0.0	
100	BQAM	1	1	21.64	21.72	21.69	23.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.42	21.65	21.54	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.40	21.69	21.49	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.45	21.59	21.51	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.41	21.57	21.58	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.43	21.49	21.42	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.42	21.57	21.49	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.50	21.62	21.54	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.52	21.69	21.56	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.41	21.58	21.49	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.44	21.58	21.58	23.0	0.0	

FR1 n77 HPUE Part 270 Ant 3									
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frac.	Power Main Ch. / Frac.	Power High Ch. / Frac.	Time-up Int. (min)	MTR (dB)	
Channel									
100	PV2 BPSK	1	1	23.47	23.76	23.54			
100	PV2 BPSK	1	137	23.35	23.37	23.30	25.0	0.0	
100	PV2 BPSK	1	271	23.35	23.33	23.37			
100	PV2 BPSK	135	0	23.60	23.24	23.02	24.5	0.5	
100	PV2 BPSK	135	86	23.43	23.08	23.47	25.0	0.5	
100	PV2 BPSK	135	136	23.17	23.33	23.08	24.5	0.5	
100	PV2 BPSK	230	0	23.36	23.24	23.07			
100	QPSK	1	1	23.70	23.81	23.78			
100	QPSK	1	137	23.48	23.74	23.48	25.0	0.0	
100	QPSK	1	271	23.48	23.77	23.53			
100	QPSK	135	0	23.36	23.27	23.31	24.0	1.0	
100	QPSK	135	86	23.64	23.13	23.71	25.0	0.0	
100	QPSK	135	136	23.35	23.23	23.36			
100	QPSK	230	0	22.80	22.88	22.88	24.0	1.0	
100	SGDM	1	1	23.02	23.07	23.04	25.0	1.0	
100	SGDM	1	1	23.02	23.07	23.02	22.5	2.5	
100	SGDM	1	1	18.96	19.00	18.96	25.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.84	23.85	23.88	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.80	23.72	23.85	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.88	23.81	23.85	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.83	23.84	23.85	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.81	23.80	23.81	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.87	23.74	23.88	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.92	23.76	23.91	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.89	23.87	23.76	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.92	23.71	23.73	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.93	23.88	23.88	23.0	0.0	

FR1 n77 Part 27Q Ant 3									
SR (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frac.	Power Main Ch. / Frac.	Power Hyp. Ch. / Frac.	Time-up Int. (min)	MTR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1		21.69				
100	PV2 BPSK	1	137		21.88			22.0	0.0
100	PV2 BPSK	1	271		21.74				
100	PV2 BPSK	135	0		21.36			22.0	0.0
100	PV2 BPSK	135	86		21.21			22.0	0.0
100	PV2 BPSK	135	136		21.69			22.0	0.0
100	PV2 BPSK	230	0		21.33			22.0	0.0
100	QPSK	1	1		21.73			22.0	0.0
100	QPSK	1	137		21.82				
100	QPSK	1	271		21.83			22.0	0.0
100	QPSK	135	0		21.89		22.0	0.0	
100	QPSK	135	86		21.88		22.0	0.0	
100	QPSK	135	136		21.88			22.0	0.0
100	QPSK	230	0		21.88		22.0	0.0	
100	SGDM	1	1		21.70			22.0	0.0
100	SGDM	1	1		21.74			23.0	1.5
Channel									
Frequency (MHz)									
90	QPSK	1	1		21.89	21.54	21.89	22.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		21.84	21.58	21.87	22.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		21.85	21.54	21.85	22.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		21.88	21.85	21.84	22.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		21.93	21.93	21.87	22.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		21.84	21.88	21.87	22.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		21.93	21.93	21.89	22.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		21.84	21.83	21.83	22.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1		21.85	21.85	21.82	22.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1		21.84	21.87	21.89	22.0	0.0

FR1 n77 HPUE Part 27Q Ant 3									
SV Freq	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up Int. (min)	ISMP (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	24.21					
100	PL2 BPSK	1	137	24.17			25.0	0.0	
100	PL2 BPSK	1	271	24.13					
100	PL2 BPSK	135	0	23.77			24.5	0.5	
100	PL2 BPSK	135	64	24.05			25.0	0.0	
100	PL2 BPSK	135	136	23.65			24.5	0.5	
100	PL2 BPSK	270	0	23.61			25.0	0.0	
100	QPSK	1	1	23.25					
100	QPSK	1	137	23.12			25.0	0.0	
100	QPSK	1	271	23.18					
100	QPSK	135	0	23.69			26.0	1.0	
100	QPSK	135	64	23.17			25.0	0.0	
100	QPSK	135	136	23.58			24.0	1.0	
100	QPSK	270	0	23.02			25.0	0.0	
100	BQAM	1	1	23.22			25.5	2.5	
100	BQAM	1	1	23.28			25.5	2.5	
100	BQAM	1	1	23.67			25.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	93000	93000	93000	Turn-up	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.07	24.10	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.07	24.08	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.14	24.09	24.05	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.14	24.14	24.14	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.06	24.17	24.07	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.18	24.11	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	83134	83133	83130	Turn-up	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.11	24.09	24.12	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	7492	7492	7492	Turn-up	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.19	24.13	24.21	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63000	63000	63000	Turn-up	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.07	24.13	24.05	25.0	0.0	

FR1 n78 Part 27Q Ant 3									
SV Freq	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up Int. (min)	ISMP (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	21.31					
100	PL2 BPSK	1	137	21.46			22.0	0.0	
100	PL2 BPSK	1	271	21.35					
100	PL2 BPSK	135	0	21.24			22.0	0.0	
100	PL2 BPSK	135	64	21.43			22.0	0.0	
100	PL2 BPSK	135	136	21.35			22.0	0.0	
100	PL2 BPSK	270	0	21.44			22.0	0.0	
100	QPSK	1	1	21.49					
100	QPSK	1	137	21.35			22.0	0.0	
100	QPSK	1	271	21.33					
100	QPSK	135	0	21.18			22.0	0.0	
100	QPSK	135	64	21.25			22.0	0.0	
100	QPSK	135	136	21.12			22.0	0.0	
100	QPSK	270	0	21.12			22.0	0.0	
100	BQAM	1	1	21.44			22.0	0.0	
100	BQAM	1	1	21.47			22.0	0.0	
100	BQAM	1	1	21.46			22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	94868	94868	94868	Turn-up	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.44	21.32	21.35	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.33	21.39	21.35	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.35	21.30	21.32	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.35	21.41	21.43	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.35	21.41	21.35	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.44	21.30	21.33	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.45	21.34	21.40	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.50	21.30	21.33	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.43	21.33	21.35	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	64168	64000	64000	Turn-up	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.44	21.31	21.35	22.0	0.0	

FR1 n78_HPUE Part 27Q Ant 3									
SV Freq	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up Int. (min)	ISMP (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	23.84					
100	PL2 BPSK	1	137	23.68			25.0	0.0	
100	PL2 BPSK	1	271	23.74					
100	PL2 BPSK	135	0	23.25			24.5	0.5	
100	PL2 BPSK	135	64	23.61			25.0	0.0	
100	PL2 BPSK	135	136	23.43			24.5	0.5	
100	PL2 BPSK	270	0	23.35			25.0	0.0	
100	QPSK	1	1	23.61					
100	QPSK	1	137	23.68			25.0	0.0	
100	QPSK	1	271	23.88					
100	QPSK	135	0	23.77			26.0	1.0	
100	QPSK	135	64	23.73			24.0	1.0	
100	QPSK	135	136	23.68			24.0	1.0	
100	QPSK	270	0	23.68			25.0	0.0	
100	BQAM	1	1	23.64			25.5	2.5	
100	BQAM	1	1	23.60			25.5	2.5	
100	BQAM	1	1	23.67			25.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	94868	94868	94868	Turn-up	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.77	23.87	23.81	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.76	23.84	23.79	25.0	0.0	
Channel									
Frequency (MHz)									
75	QPSK	1	1	23.75	23.83	23.78	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.74	23.82	23.77	25.0	0.0	
Channel									
Frequency (MHz)									
65	QPSK	1	1	23.73	23.79	23.76	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.72	23.78	23.75	25.0	0.0	
Channel									
Frequency (MHz)									
55	QPSK	1	1	23.71	23.77	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.70	23.76	23.73	25.0	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	23.68	23.78	23.74	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.67	23.76	23.73	25.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	23.66	23.75	23.72	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.65	23.74	23.71	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.64	23.73	23.70	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.63	23.72	23.69	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.62	23.71	23.68	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.61	23.70	23.67	25.0	0.0	

FR1 n78 Part 27Q Ant 3									
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power Hsp. Ch. / Freq.	Time-up (m)	MTR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	21.42	21.42				
100	PV2 BPSK	1	137	21.59	21.59	22.0	0.0		
100	PV2 BPSK	1	271	21.54	21.54				
100	PV2 BPSK	135	0	21.59	21.59	22.0	0.0		
100	PV2 BPSK	135	86	21.51	21.51	22.0	0.0		
100	PV2 BPSK	135	136	21.59	21.59	22.0	0.0		
100	PV2 BPSK	230	0	21.70	21.70				
100	QPSK	1	1	21.71	21.71				
100	QPSK	1	137	21.53	21.53	22.0	0.0		
100	QPSK	1	271	21.48	21.48				
100	QPSK	135	0	21.64	21.64	22.0	0.0		
100	QPSK	135	86	21.55	21.55	22.0	0.0		
100	QPSK	135	136	21.62	21.62	22.0	0.0		
100	QPSK	230	0	21.66	21.66	22.0	0.0		
100	SGDM	1	1	21.67	21.67	22.0	0.0		
100	SGDM	1	1	21.55	21.55	22.0	0.0		
100	SGDM	1	1	18.57	18.57	22.0	0.0		
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.82	21.82	21.88	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.83	21.84	21.88	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.82	21.82	21.82	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.81	21.83	21.81	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.62	21.62	21.63	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.68	21.61	21.62	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.53	21.53	21.53	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.60	21.63	21.54	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.43	21.43	21.43	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.64	21.62	21.62	22.0	0.0	

FR1 n78_HPUE Part 27Q Ant 3									
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power Hsp. Ch. / Freq.	Time-up (m)	MTR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	24.79	24.79				
100	PV2 BPSK	1	137	24.69	24.69	25.0	0.0		
100	PV2 BPSK	1	271	24.67	24.67				
100	PV2 BPSK	135	0	24.62	24.62	24.5	0.0		
100	PV2 BPSK	135	86	24.56	24.56	24.5	0.0		
100	PV2 BPSK	135	136	24.69	24.69	24.5	0.0		
100	PV2 BPSK	230	0	24.50	24.50				
100	QPSK	1	1	24.71	24.71				
100	QPSK	1	137	24.58	24.58	25.0	0.0		
100	QPSK	1	271	24.61	24.61				
100	QPSK	135	0	24.51	24.51	25.0	1.0		
100	QPSK	135	86	24.43	24.43	25.0	0.0		
100	QPSK	135	136	24.50	24.50	24.0	1.0		
100	QPSK	230	0	24.46	24.46	24.5	1.0		
100	SGDM	1	1	24.47	24.47	24.5	2.0		
100	SGDM	1	1	21.67	21.67	22.0	0.0		
100	SGDM	1	1	18.57	18.57	22.0	0.0		
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.67	24.63	24.68	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.60	24.64	24.62	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.58	24.64	24.62	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.43	24.46	24.46	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.41	24.48	24.48	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.44	24.43	24.43	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.40	24.42	24.42	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.40	24.44	24.44	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.43	24.43	24.43	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.43	24.44	24.44	25.0	0.0	

FR1 n48 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				3670	3624.99	3679.98			
Frequency (MHz)				633000	641566	645332			
40	PV2 BPSK	1	1	17.29	17.23	17.30			
40	PV2 BPSK	1	53	17.29	17.44	17.42	18.5	0.0	
40	PV2 BPSK	1	104	17.35	17.39	17.42			
40	PV2 BPSK	50	0	17.27	17.39	17.45	18.5	0.0	
40	PV2 BPSK	50	26	17.35	17.29	17.28	18.5	0.0	
40	PV2 BPSK	50	50	17.36	17.30	17.42	18.5	0.0	
40	PV2 BPSK	100	0	17.44	17.41	17.40			
40	QPSK	1	1	17.43	17.47	17.44			
40	QPSK	1	53	17.35	17.38	17.39	18.5	0.0	
40	QPSK	1	104	17.38	17.44	17.44			
40	QPSK	50	0	17.39	17.40	17.32	18.5	0.0	
40	QPSK	50	26	17.42	17.45	17.38	18.5	0.0	
40	QPSK	50	50	17.34	17.44	17.35	18.5	0.0	
40	QPSK	100	0	17.31	17.41	17.35	18.5	0.0	
40	16QAM	1	1	17.34	17.44	17.39	18.5	0.0	
40	64QAM	1	1	17.27	17.35	17.38	18.5	0.0	
40	256QAM	1	1	17.24	17.39	17.45	18.5	0.0	
Channel				637668	641686	645666	Tune-up limit (dB)	MPR	
Frequency (MHz)				636510	642409	646406			
30	QPSK	1	1	17.30	17.28	17.25	18.5	0.0	
Channel				637334	641686	646000	Tune-up limit (dB)	MPR	
Frequency (MHz)				636001	642409	646000			
20	QPSK	1	1	17.28	17.29	17.29	18.5	0.0	
Channel				637168	641686	646166	Tune-up limit (dB)	MPR	
Frequency (MHz)				635752	642409	646246			
15	QPSK	1	1	17.36	17.32	17.39	18.5	0.0	
Channel				637000	641686	646332	Tune-up limit (dB)	MPR	
Frequency (MHz)				63555	642409	646388			
10	QPSK	1	1	17.37	17.38	17.37	18.5	0.0	

FR1 n77 PC3/PC2 Part 270 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3760	3840	3920			
100	PV2 BPSK	1	1	17.08	17.09	17.00			
100	PV2 BPSK	1	137	16.97	17.06	17.01	17.5	0.0	
100	PV2 BPSK	1	271	17.06	17.06	16.98			
100	PV2 BPSK	135	0	16.94	16.91	16.98	17.5	0.0	
100	PV2 BPSK	135	69	16.98	16.95	16.94	17.5	0.0	
100	PV2 BPSK	135	138	16.93	17.03	17.04	17.5	0.0	
100	PV2 BPSK	270	0	17.02	17.04	17.05			
100	QPSK	1	1	17.09	17.12	17.08			
100	QPSK	1	137	17.09	16.87	16.97	17.5	0.0	
100	QPSK	1	271	16.91	16.87	17.03			
100	QPSK	135	0	17.01	16.93	16.88	17.5	0.0	
100	QPSK	135	69	17.04	17.09	16.93	17.5	0.0	
100	QPSK	135	138	17.03	16.99	16.98	17.5	0.0	
100	QPSK	270	0	16.95	17.06	17.02			
100	16QAM	1	1	16.91	17.03	16.98	17.5	0.0	
100	64QAM	1	1	16.99	16.98	16.90	17.5	0.0	
100	256QAM	1	1	17.07	17.06	16.98	17.5	0.0	
Channel				646668	656000	662332	Tune-up limit (dB)	MPR	
Frequency (MHz)				374502	384000	392498			
90	QPSK	1	1	16.92	17.02	16.92	17.5	0.0	
Channel				649334	656000	662666	Tune-up limit (dB)	MPR	
Frequency (MHz)				374001	384000	392699			
80	QPSK	1	1	16.99	17.07	16.90	17.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				373500	384000	392498			
70	QPSK	1	1	17.01	16.98	16.96	17.5	0.0	
Channel				648668	656000	663332	Tune-up limit (dB)	MPR	
Frequency (MHz)				373002	384000	392498			
60	QPSK	1	1	17.01	17.01	16.96	17.5	0.0	
Channel				648334	656000	663666	Tune-up limit (dB)	MPR	
Frequency (MHz)				372501	384000	392499			
50	QPSK	1	1	16.98	16.94	17.00	17.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				372000	384000	392498			
40	QPSK	1	1	16.95	16.97	17.01	17.5	0.0	
Channel				647668	656000	664332	Tune-up limit (dB)	MPR	
Frequency (MHz)				371502	384000	392498			
30	QPSK	1	1	16.95	16.98	16.93	17.5	0.0	
Channel				647334	656000	664666	Tune-up limit (dB)	MPR	
Frequency (MHz)				371001	384000	392499			
20	QPSK	1	1	17.01	16.96	16.95	17.5	0.0	
Channel				647000	656000	664832	Tune-up limit (dB)	MPR	
Frequency (MHz)				370752	384000	392498			
15	QPSK	1	1	16.96	16.93	17.00	17.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
Frequency (MHz)				370500	384000	392500			
10	QPSK	1	1	16.91	17.06	16.93	17.5	0.0	

FR1 n77 PC3/PC2 Part 27Q Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	17.11					
100	PV2 BPSK	1	137	17.13			17.5	0.0	
100	PV2 BPSK	1	271	17.09					
100	PV2 BPSK	135	0	16.97			17.5	0.0	
100	PV2 BPSK	135	69	16.98			17.5	0.0	
100	PV2 BPSK	135	138	16.95			17.5	0.0	
100	PV2 BPSK	270	0	17.07					
100	QPSK	1	1	17.14					
100	QPSK	1	137	16.91			17.5	0.0	
100	QPSK	1	271	16.94					
100	QPSK	135	0	16.96			17.5	0.0	
100	QPSK	135	69	17.11			17.5	0.0	
100	QPSK	135	138	16.96			17.5	0.0	
100	QPSK	270	0	17.06					
100	16QAM	1	1	16.97			17.5	0.0	
100	64QAM	1	1	17.01			17.5	0.0	
100	256QAM	1	1	16.99			17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.05	17.03	17.03	17.5	0.0	MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.00	17.07	17.07	17.5	0.0	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.07	17.10	17.01	17.5	0.0	MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.08	16.98	16.96	17.5	0.0	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.99	17.00	16.98	17.5	0.0	MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.08	16.99	16.98	17.5	0.0	MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.02	17.04	17.05	17.5	0.0	MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.01	16.96	16.94	17.5	0.0	MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.05	16.98	17.03	17.5	0.0	MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.04	16.93	16.93	17.5	0.0	MPR

FR1 n78_PC3/PC2 Part 270 Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3790			
100	PI2 BPSK	1	1		17.05		
100	PI2 BPSK	1	137		17.04		
100	PI2 BPSK	1	271		16.94		
100	PI2 BPSK	135	0		16.90		17.5 0.0
100	PI2 BPSK	135	69		16.81		17.5 0.0
100	PI2 BPSK	135	138		16.86		17.5 0.0
100	PI2 BPSK	270	0		16.90		17.5 0.0
100	QPSK	1	1		17.08		
100	QPSK	1	137		16.88		17.5 0.0
100	QPSK	1	271		16.71		
100	QPSK	135	0		16.93		17.5 0.0
100	QPSK	135	69		17.04		17.5 0.0
100	QPSK	135	138		16.78		17.5 0.0
100	QPSK	270	0		16.97		17.5 0.0
100	16QAM	1	1		16.95		17.5 0.0
100	64QAM	1	1		16.88		17.5 0.0
100	256QAM	1	1		16.92		17.5 0.0
Channel				649668	650000	650332	Tune-up MPR
Frequency (MHz)				3745.02	3790	3834.98	limit (dB)
90	QPSK	1	1		16.94	16.99	17.01 17.5 0.0
Channel				649334	650000	650666	Tune-up MPR
Frequency (MHz)				3740.01	3790	3789.99	limit (dB)
80	QPSK	1	1		16.94	17.01	16.94 17.5 0.0
Channel				649000	650000	651000	Tune-up MPR
Frequency (MHz)				3736	3790	3794	limit (dB)
70	QPSK	1	1		17.00	16.94	16.99 17.5 0.0
Channel				648668	650000	651332	Tune-up MPR
Frequency (MHz)				3730.02	3790	3789.98	limit (dB)
60	QPSK	1	1		16.93	16.89	16.90 17.5 0.0
Channel				648334	650000	651666	Tune-up MPR
Frequency (MHz)				3725.01	3790	3784.99	limit (dB)
50	QPSK	1	1		16.94	16.99	16.91 17.5 0.0
Channel				648000	650000	652000	Tune-up MPR
Frequency (MHz)				3720	3790	3790	limit (dB)
40	QPSK	1	1		17.03	16.94	16.93 17.5 0.0
Channel				647668	650000	652332	Tune-up MPR
Frequency (MHz)				3715.02	3790	3784.98	limit (dB)
30	QPSK	1	1		16.97	17.03	17.00 17.5 0.0
Channel				647334	650000	652666	Tune-up MPR
Frequency (MHz)				3710.01	3790	3789.99	limit (dB)
20	QPSK	1	1		16.94	17.01	16.95 17.5 0.0
Channel				647000	650000	653000	Tune-up MPR
Frequency (MHz)				3707.52	3790	3792.48	limit (dB)
15	QPSK	1	1		16.94	16.91	17.01 17.5 0.0
Channel				646668	650000	653332	Tune-up MPR
Frequency (MHz)				3705	3790	3795	limit (dB)
10	QPSK	1	1		16.94	16.95	16.96 17.5 0.0

FR1 n78_PC3/PC2 Part 27Q Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633000			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1		16.92		
100	PI2 BPSK	1	137		16.89		
100	PI2 BPSK	1	271		17.11		
100	PI2 BPSK	135	0		16.95		17.5 0.0
100	PI2 BPSK	135	69		16.87		17.5 0.0
100	PI2 BPSK	135	138		16.93		17.5 0.0
100	PI2 BPSK	270	0		16.93		17.5 0.0
100	QPSK	1	1		17.13		
100	QPSK	1	137		16.81		17.5 0.0
100	QPSK	1	271		16.74		
100	QPSK	135	0		16.92		17.5 0.0
100	QPSK	135	69		17.06		17.5 0.0
100	QPSK	135	138		16.70		17.5 0.0
100	QPSK	270	0		17.03		17.5 0.0
100	16QAM	1	1		16.88		17.5 0.0
100	64QAM	1	1		16.76		17.5 0.0
100	256QAM	1	1		16.92		17.5 0.0
Channel				633000	633332	633666	Tune-up MPR
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1		16.97	17.05	17.08 17.5 0.0
Channel				632668	633332	634000	Tune-up MPR
Frequency (MHz)				3490.02	3499.98	3500	limit (dB)
80	QPSK	1	1		16.96	17.04	17.06 17.5 0.0
Channel				632334	633332	634332	Tune-up MPR
Frequency (MHz)				3485.01	3499.98	3504.98	limit (dB)
70	QPSK	1	1		16.96	17.00	16.96 17.5 0.0
Channel				632000	633332	634666	Tune-up MPR
Frequency (MHz)				3480	3499.98	3504.99	limit (dB)
60	QPSK	1	1		17.06	16.96	16.99 17.5 0.0
Channel				631668	633332	635000	Tune-up MPR
Frequency (MHz)				3475.02	3499.98	3505	limit (dB)
50	QPSK	1	1		17.03	17.08	17.03 17.5 0.0
Channel				631334	633332	635332	Tune-up MPR
Frequency (MHz)				3470.01	3499.98	3504.98	limit (dB)
40	QPSK	1	1		16.94	17.01	16.96 17.5 0.0
Channel				631000	633332	635666	Tune-up MPR
Frequency (MHz)				3465	3499.98	3504.99	limit (dB)
30	QPSK	1	1		17.03	17.01	17.07 17.5 0.0
Channel				630668	633332	636000	Tune-up MPR
Frequency (MHz)				3460.02	3499.98	3504.99	limit (dB)
20	QPSK	1	1		17.03	17.09	16.98 17.5 0.0
Channel				630500	633332	636166	Tune-up MPR
Frequency (MHz)				3457.5	3499.98	3502.49	limit (dB)
15	QPSK	1	1		17.00	17.08	17.05 17.5 0.0
Channel				630334	633332	636332	Tune-up MPR
Frequency (MHz)				3455.01	3499.98	3504.98	limit (dB)
10	QPSK	1	1		16.99	17.00	17.03 17.5 0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				3670	3624.99	3679.98			
Frequency (MHz)				633000	641666	646332			
40	PV2 BPSK	1	1	17.28	17.28	17.22			
40	PV2 BPSK	1	53	17.25	17.38	17.42	18.5	0.0	
40	PV2 BPSK	1	104	17.37	17.28	17.38			
40	PV2 BPSK	50	0	17.34	17.39	17.24	18.5	0.0	
40	PV2 BPSK	50	26	17.25	17.38	17.31	18.5	0.0	
40	PV2 BPSK	50	50	17.18	17.24	17.21	18.5	0.0	
40	PV2 BPSK	100	0	17.23	17.18	17.40			
40	QPSK	1	1	17.40	17.43	17.32			
40	QPSK	1	53	17.33	17.20	17.35	18.5	0.0	
40	QPSK	1	104	17.23	17.33	17.24			
40	QPSK	50	0	17.38	17.32	17.23	18.5	0.0	
40	QPSK	50	26	17.23	17.41	17.31	18.5	0.0	
40	QPSK	50	50	17.32	17.30	17.22	18.5	0.0	
40	QPSK	100	0	17.35	17.37	17.29	18.5	0.0	
40	16QAM	1	1	17.34	17.35	17.27	18.5	0.0	
40	64QAM	1	1	17.20	17.22	17.31	18.5	0.0	
40	256QAM	1	1	16.37	16.47	16.42	18.5	2.0	
Channel				637668	641666	645666	Tune-up	MPR	
Frequency (MHz)				636510	642499	644499	limit		
30	QPSK	1	1	17.29	17.31	17.27	18.5	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				636001	642499	646000	limit		
20	QPSK	1	1	17.24	17.32	17.21	18.5	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				635712	642499	646248	limit		
15	QPSK	1	1	17.22	17.33	17.13	18.5	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				635555	642499	646332	limit		
10	QPSK	1	1	17.29	17.38	17.16	18.5	0.0	

FR1 n77 PC3/PC2 Part 270 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3760	3840	3920			
100	PV2 BPSK	1	1	15.93	15.95	16.04			
100	PV2 BPSK	1	137	15.89	15.89	15.91	16.5	0.0	
100	PV2 BPSK	1	271	16.05	16.04	16.08			
100	PV2 BPSK	135	0	16.01	15.99	15.95	16.5	0.0	
100	PV2 BPSK	135	69	15.98	16.03	16.08	16.5	0.0	
100	PV2 BPSK	135	138	16.08	15.93	16.08	16.5	0.0	
100	PV2 BPSK	270	0	16.06	16.10	16.00			
100	QPSK	1	1	16.09	16.12	16.08			
100	QPSK	1	137	16.04	15.87	15.89	16.5	0.0	
100	QPSK	1	271	16.09	15.99	15.90			
100	QPSK	135	0	15.93	16.05	16.08	16.5	0.0	
100	QPSK	135	69	16.01	16.10	16.03	16.5	0.0	
100	QPSK	135	138	15.97	15.98	15.87	16.5	0.0	
100	QPSK	270	0	15.93	15.97	15.93	16.5	0.0	
100	16QAM	1	1	15.84	15.95	16.08	16.5	0.0	
100	64QAM	1	1	16.04	15.94	15.98	16.5	0.0	
100	256QAM	1	1	16.08	15.95	15.94	16.5	0.0	
Channel				649668	656000	662332	Tune-up	MPR	
Frequency (MHz)				6745102	684000	690498	limit		
90	QPSK	1	1	15.92	16.07	16.02	16.5	0.0	
Channel				649334	656000	662666	Tune-up	MPR	
Frequency (MHz)				674601	684000	690399	limit		
80	QPSK	1	1	16.07	16.00	15.90	16.5	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				674500	684000	690498	limit		
70	QPSK	1	1	16.06	16.00	15.94	16.5	0.0	
Channel				648668	656000	663332	Tune-up	MPR	
Frequency (MHz)				6743102	684000	690498	limit		
60	QPSK	1	1	15.93	16.00	16.03	16.5	0.0	
Channel				648334	656000	663666	Tune-up	MPR	
Frequency (MHz)				6742511	684000	690499	limit		
50	QPSK	1	1	15.92	16.00	15.92	16.5	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				6742000	684000	690499	limit		
40	QPSK	1	1	15.91	16.10	15.94	16.5	0.0	
Channel				647668	656000	664332	Tune-up	MPR	
Frequency (MHz)				67415102	684000	690498	limit		
30	QPSK	1	1	15.99	16.09	16.02	16.5	0.0	
Channel				647334	656000	664666	Tune-up	MPR	
Frequency (MHz)				6741011	684000	690999	limit		
20	QPSK	1	1	16.02	15.98	15.94	16.5	0.0	
Channel				647168	656000	665832	Tune-up	MPR	
Frequency (MHz)				6740752	684000	691248	limit		
15	QPSK	1	1	15.90	15.95	15.95	16.5	0.0	
Channel				647000	656000	665900	Tune-up	MPR	
Frequency (MHz)				6740500	684000	691500	limit		
10	QPSK	1	1	16.03	15.91	15.98	16.5	0.0	

FR1 n77 PC3/PC2 Part 27Q Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel <td>633332</td> <td>3409.98</td> <td></td> <td></td> <td colspan="2"></td>				633332	3409.98				
Frequency (MHz)									
100	PV2 BPSK	1	1	16.18				16.5	0.0
100	PV2 BPSK	1	137	16.02					
100	PV2 BPSK	1	271	16.10					
100	PV2 BPSK	135	0	16.02				16.5	0.0
100	PV2 BPSK	135	69	16.00				16.5	0.0
100	PV2 BPSK	135	138	16.10				16.5	0.0
100	PV2 BPSK	270	0	16.14					
100	QPSK	1	1	16.21					
100	QPSK	1	137	16.07				16.5	0.0
100	QPSK	1	271	16.08					
100	QPSK	135	0	16.04				16.5	0.0
100	QPSK	135	69	16.18				16.5	0.0
100	QPSK	135	138	16.05				16.5	0.0
100	QPSK	270	0	16.14				16.5	0.0
100	16QAM	1	1	15.99				16.5	0.0
100	64QAM	1	1	16.20				16.5	0.0
100	256QAM	1	1	16.09				16.5	0.0
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3405	3424.98	3424.98	limit		
90	QPSK	1	1	16.14	16.10	16.11	16.5	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3406002	3424.98	341000	limit		
80	QPSK	1	1	16.15	16.11	16.01	16.5	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3406511	3424.98	341498	limit		
70	QPSK	1	1	16.00	16.09	16.18	16.5	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3407000	3424.98	341899	limit		
60	QPSK	1	1	16.13	16.00	16.02	16.5	0.0	
Channel				631668	633332	635000	Tune-up	MPR	
Frequency (MHz)				3415102	3424.98	342000	limit		
50	QPSK	1	1	16.05	16.13	16.13	16.5	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3413102	3424.98	342498	limit		
40	QPSK	1	1	16.17	16.10	16.10	16.5	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3412102	3424.98	341899	limit		
30	QPSK	1	1	16.10	16.10	16.01	16.5	0.0	
Channel				630668	633332	636000	Tune-up	MPR	
Frequency (MHz)				3410202	3424.98	341500	limit		
20	QPSK	1	1	16.02	16.11	16.13	16.5	0.0	
Channel				630300	633332	636366	Tune-up	MPR	
Frequency (MHz)				3407902	3424.98	341998	limit		
15	QPSK	1	1	16.02	16.10	16.05	16.5	0.0	
Channel				630034	633332	636332	Tune-up	MPR	
Frequency (MHz)				3406902	3424.98	341898	limit		
10	QPSK	1	1	16.11	16.06	16.17	16.5	0.0	

FR1 n78_PC3/PC2 Part 270 Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1		3790		
100	PI2 BPSK	1	137		15.98		
100	PI2 BPSK	1	271		15.95		
100	PI2 BPSK	135	0		15.89		
100	PI2 BPSK	135	69		15.99		
100	PI2 BPSK	135	138		15.82		
100	PI2 BPSK	270	0		15.93		
100	QPSK	1	1		15.90		
100	QPSK	1	137		15.01		
100	QPSK	1	271		15.81		
100	QPSK	135	0		15.59		
100	QPSK	135	69		15.83		
100	QPSK	135	138		15.89		
100	QPSK	270	0		15.87		
100	16QAM	1	1		15.91		
100	16QAM	1	1		15.87		
100	256QAM	1	1		15.84		
100	256QAM	1	1		15.98		
Channel							
Frequency (MHz)							
90	QPSK	1	1	649668	650000	650332	Tune-up
				3745.02	3790	3794.98	lim
				15.95	15.84	15.95	16.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	649334	650000	650666	Tune-up
				3749.01	3790	3799.99	lim
				15.80	15.94	15.97	16.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	649000	650000	651000	Tune-up
				3746	3790	3794	lim
				15.88	15.97	15.81	16.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	648668	650000	651332	Tune-up
				3745.02	3790	3799.98	lim
				15.90	15.86	15.82	16.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	648334	650000	651666	Tune-up
				3744.00	3790	3794.99	lim
				15.84	15.84	15.81	16.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	648000	650000	652000	Tune-up
				3743.00	3790	3795	lim
				15.95	15.92	15.89	16.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	647668	650000	652332	Tune-up
				3742.02	3790.00	3794.98	lim
				15.94	15.93	15.87	16.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	647334	650000	652666	Tune-up
				3741.01	3790	3793.99	lim
				15.87	15.90	15.89	16.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	647000	650000	653000	Tune-up
				3740.00	3790	3792.46	lim
				15.95	15.91	15.79	16.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	646668	650000	653332	Tune-up
				3739.01	3790	3795	lim
				15.84	15.82	15.82	16.5

FR1 n78_PC3/PC2 Part 27Q Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1		3499.98		
100	PI2 BPSK	1	137		15.99		
100	PI2 BPSK	1	271		16.05		
100	PI2 BPSK	135	0		16.04		
100	PI2 BPSK	135	69		15.88		
100	PI2 BPSK	135	138		15.88		
100	PI2 BPSK	270	0		16.04		
100	QPSK	1	1		15.89		
100	QPSK	1	137		16.07		
100	QPSK	1	271		16.06		
100	QPSK	135	0		16.04		
100	QPSK	135	69		16.01		
100	QPSK	135	138		16.05		
100	QPSK	270	0		16.01		
100	16QAM	1	1		15.92		
100	16QAM	1	1		15.97		
100	256QAM	1	1		15.87		
100	256QAM	1	1		15.97		
Channel							
Frequency (MHz)							
90	QPSK	1	1	633000	633332	633666	Tune-up
				3495	3499.98	3504.99	lim
				16.03	15.88	15.98	16.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	632668	633332	634000	Tune-up
				3490.02	3499.98	3500	lim
				15.97	15.88	15.91	16.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	632334	633332	634332	Tune-up
				3485.01	3499.98	3504.98	lim
				15.95	15.99	15.99	16.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	632000	633332	634666	Tune-up
				3480	3499.98	3504.99	lim
				15.97	15.92	15.95	16.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	631668	633332	635000	Tune-up
				3475.02	3499.98	3504.98	lim
				15.87	15.88	15.96	16.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	631334	633332	635332	Tune-up
				3470.01	3499.98	3504.98	lim
				15.87	15.88	15.96	16.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	631000	633332	635666	Tune-up
				3465	3499.98	3504.99	lim
				15.88	16.05	16.03	16.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	630668	633332	636000	Tune-up
				3460.02	3499.98	3504.98	lim
				16.03	16.00	15.89	16.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	630334	633332	636332	Tune-up
				3457.5	3499.98	3504.49	lim
				15.93	15.94	15.90	16.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	630000	633332	636666	Tune-up
				3455.01	3499.98	3504.98	lim
				16.05	15.91	16.03	16.5

FR1 n2 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	22.90	22.91	22.87	24.0	0.0
20	PI/2 BPSK	1	53	22.85	22.68	22.57		
20	PI/2 BPSK	1	104	22.76	22.79	22.69		
20	PI/2 BPSK	50	0	22.64	22.81	22.82	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.82	22.82	24.0	0.0
20	PI/2 BPSK	50	56	22.80	22.90	22.80	24.0	0.0
20	PI/2 BPSK	100	0	22.75	22.85	22.92	24.0	0.0
20	QPSK	1	1	22.97	23.04	23.02		
20	QPSK	1	53	22.87	22.89	22.75		
20	QPSK	1	104	22.85	22.88	22.82	24.0	0.0
20	QPSK	50	0	22.85	22.88	22.92	24.0	0.0
20	QPSK	50	28	22.86	22.92	22.90	24.0	0.0
20	QPSK	50	56	22.86	22.91	22.82	24.0	0.0
20	QPSK	100	0	22.76	22.85	22.92	24.0	0.0
20	16QAM	1	1	22.92	23.02	23.01	24.0	0.0
20	64QAM	1	1	21.55	21.72	21.70	22.5	1.5
20	256QAM	1	1	19.64	19.70	19.66	20.5	3.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.93	22.98	23.02	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.76	22.88	22.83	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.83	22.89	22.81	24.0	0.0

Reduced Power Mode for Hotspot on								
FR1 n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.55	22.72	22.75	24.0	0.0
40	PI/2 BPSK	1	108	22.44	22.77	22.69		
40	PI/2 BPSK	1	214	22.72	22.62	22.53		
40	PI/2 BPSK	108	0	22.73	22.70	22.61	24.0	0.0
40	PI/2 BPSK	108	54	22.45	22.67	22.52	24.0	0.0
40	PI/2 BPSK	108	108	22.33	22.82	22.81	24.0	0.0
40	PI/2 BPSK	216	0	22.56	22.75	22.61	24.0	0.0
40	QPSK	1	1	22.73	22.84	22.81		
40	QPSK	1	108	22.61	22.78	22.69		
40	QPSK	1	214	22.72	22.76	22.58	24.0	0.0
40	QPSK	108	0	22.73	22.70	22.60	24.0	0.0
40	QPSK	108	54	22.55	22.83	22.52	24.0	0.0
40	QPSK	108	108	22.52	22.79	22.70	24.0	0.0
40	QPSK	216	0	22.56	22.81	22.67	24.0	0.0
40	16QAM	1	1	22.86	22.67	22.62	24.0	0.0
40	64QAM	1	1	21.32	21.31	21.31	22.5	1.5
40	256QAM	1	1	19.22	19.28	19.22	20.5	3.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.72	22.79	22.77	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.59	22.67	22.71	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.52	22.66	22.75	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.79	22.69	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.59	22.68	22.60	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.61	22.75	22.71	24.0	0.0

FR1 n25 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.96	22.97	22.74	24.0	0.0
40	PI/2 BPSK	1	108	22.87	22.80	22.65		
40	PI/2 BPSK	1	214	22.75	22.82	22.79		
40	PI/2 BPSK	108	0	22.82	22.87	22.76	24.0	0.0
40	PI/2 BPSK	108	54	22.80	22.80	22.79	24.0	0.0
40	PI/2 BPSK	108	108	22.74	22.69	22.80	24.0	0.0
40	PI/2 BPSK	216	0	22.67	22.98	22.65	24.0	0.0
40	QPSK	1	1	22.97	23.02	22.95		
40	QPSK	1	108	22.95	22.86	22.81		
40	QPSK	1	214	22.84	22.81	22.78	24.0	0.0
40	QPSK	108	0	22.80	22.94	22.80	24.0	0.0
40	QPSK	108	54	22.88	22.95	22.83	24.0	0.0
40	QPSK	108	108	22.93	22.81	22.84	24.0	0.0
40	QPSK	216	0	22.76	22.99	22.78	24.0	0.0
40	16QAM	1	1	22.95	22.78	22.77	24.0	0.0
40	64QAM	1	1	21.41	21.48	21.20	22.5	1.5
40	256QAM	1	1	19.54	19.42	19.27	20.5	3.5
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.90	22.89	22.94	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.76	22.98	22.74	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.81	22.99	22.94	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.87	22.95	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	23.01	22.84	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.98	22.91	22.74	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.89	22.94	22.87	24.0	0.0

FR1 n30 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				2310					
Frequency (MHz)									
10	PI/2 BPSK	1	1		21.64		23.0	0.0	
10	PI/2 BPSK	1	26		21.63				
10	PI/2 BPSK	1	50		21.51				
10	PI/2 BPSK	25	0		21.85		23.0	0.0	
10	PI/2 BPSK	25	14		21.74		23.0	0.0	
10	PI/2 BPSK	25	27		21.57		23.0	0.0	
10	PI/2 BPSK	50	0		21.69				
10	QPSK	1	1		21.88				
10	QPSK	1	26		21.63		23.0	0.0	
10	QPSK	1	50		21.71				
10	QPSK	25	0		21.81				
10	QPSK	25	14		21.85		23.0	0.0	
10	QPSK	25	27		21.69		23.0	0.0	
10	QPSK	50	0		21.78		23.0	0.0	
10	16QAM	1	1		21.75		23.0	0.0	
10	64QAM	1	1		21.52		22.5	0.5	
10	256QAM	1	1		19.35		20.5	2.5	
Channel				461500	462000	462500	Tune-up limit		
Frequency (MHz)				2307.5	2310	2312.5	MPR (dB)		
5	QPSK	1	1	21.74	21.77	21.76	23.0	0.0	

FR1 n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346600	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dbm)	MPR (db)	
Channel				1720 1745 1760					
Frequency (MHz)				1720 1745 1760					
40	PI2 BPSK	1	1	23.13	22.97	23.01	24.0	0.0	
40	PI2 BPSK	1	108	22.77	22.79	22.80			
40	PI2 BPSK	1	214	22.61	22.81	22.77			
40	PI2 BPSK	108	0	23.06	22.84	22.82	24.0	0.0	
40	PI2 BPSK	108	54	22.69	22.84	22.82	24.0	0.0	
40	PI2 BPSK	108	108	22.53	22.75	22.52	24.0	0.0	
40	PI2 BPSK	216	0	22.58	22.73	22.50	24.0	0.0	
40	QPSK	1	1	23.12	23.15	23.11			
40	QPSK	1	108	22.84	23.00	22.79			
40	QPSK	1	214	22.81	22.93	22.88	24.0	0.0	
40	QPSK	108	0	23.11	23.13	22.97	24.0	0.0	
40	QPSK	108	54	22.96	23.15	22.84	24.0	0.0	
40	QPSK	108	108	22.74	22.88	22.66	24.0	0.0	
40	QPSK	216	0	22.64	22.73	22.59	24.0	0.0	
40	16QAM	1	1	22.91	23.11	22.97	24.0	0.0	
40	64QAM	1	1	21.84	21.88	21.85	22.5	1.5	
40	256QAM	1	1	19.87	20.06	20.05	20.5	3.5	
Channel				345500	349000	352500	Tune-up limit		
Frequency (MHz)				1727.5	1745	1762.5	MPR (db)		
35	QPSK	1	1	23.14	23.01	22.96	24.0	0.0	
Channel				345000	345000	345000	Tune-up limit		
Frequency (MHz)				1725	1745	1765	MPR (db)		
30	QPSK	1	1	23.02	23.04	22.92	24.0	0.0	
Channel				344500	345000	345500	Tune-up limit		
Frequency (MHz)				1722.5	1745	1767.5	MPR (db)		
25	QPSK	1	1	23.02	23.01	22.89	24.0	0.0	
Channel				344000	345000	346000	Tune-up limit		
Frequency (MHz)				1720	1745	1760	MPR (db)		
20	QPSK	1	1	23.13	23.10	23.07	24.0	0.0	
Channel				343500	345000	346500	Tune-up limit		
Frequency (MHz)				1717.5	1745	1772.5	MPR (db)		
15	QPSK	1	1	22.93	22.98	23.03	24.0	0.0	
Channel				343000	345000	347000	Tune-up limit		
Frequency (MHz)				1715	1745	1775	MPR (db)		
10	QPSK	1	1	23.04	23.04	23.00	24.0	0.0	
Channel				342500	345000	347500	Tune-up limit		
Frequency (MHz)				1712.5	1745	1777.5	MPR (db)		
5	QPSK	1	1	23.07	22.97	23.09	24.0	0.0	

FR1 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				1850	1880	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.32	22.20	22.43			
20	PI/2 BPSK	1	53	22.30	22.21	22.33	24.0	0.0	
20	PI/2 BPSK	1	104	22.29	22.45	22.29			
20	PI/2 BPSK	50	0	22.17	22.34	22.35	24.0	0.0	
20	PI/2 BPSK	50	28	22.32	22.28	22.17	24.0	0.0	
20	PI/2 BPSK	50	56	22.30	22.36	22.43			
20	PI/2 BPSK	100	0	22.37	22.39	22.43	24.0	0.0	
20	QPSK	1	1	22.49	22.51	22.38			
20	QPSK	1	53	22.28	22.41	22.40	24.0	0.0	
20	QPSK	1	104	22.21	22.37	22.15			
20	QPSK	50	0	22.37	22.33	22.21	24.0	0.0	
20	QPSK	50	28	22.42	22.43	22.25	24.0	0.0	
20	QPSK	50	56	22.18	22.37	22.15			
20	QPSK	100	0	22.22	22.42	22.27	24.0	0.0	
20	16QAM	1	1	22.46	22.47	22.26	24.0	0.0	
20	64QAM	1	1	21.16	21.16	21.07	22.5	1.5	
20	256QAM	1	1	18.59	18.18	18.02	20.5	3.5	
Channel				314500	316100	318050	Tune-up	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit		
15	QPSK	1	1	22.38	22.47	22.17	24.0	0.0	
Channel				371000	375000	381000	Tune-up	MPR	
Frequency (MHz)				1855	1880	1905	limit		
10	QPSK	1	1	22.36	22.46	22.22	24.0	0.0	
Channel				370500	376000	381500	Tune-up	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit		
5	QPSK	1	1	22.47	22.30	22.32	24.0	0.0	

FR1 n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	23.13	23.13			
20	PI/2 BPSK	1	53	22.99	23.07	23.04	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.29	23.31			
20	PI/2 BPSK	50	0	23.20	23.12	23.02	24.0	0.0	
20	PI/2 BPSK	50	28	23.07	23.06	23.22	24.0	0.0	
20	PI/2 BPSK	50	56	23.13	23.14	23.11			
20	PI/2 BPSK	100	0	23.29	23.25	23.20	24.0	0.0	
20	QPSK	1	1	23.27	23.35	23.34			
20	QPSK	1	53	23.14	23.30	23.16	24.0	0.0	
20	QPSK	1	104	23.09	23.14	23.12			
20	QPSK	50	0	23.16	23.29	23.23	24.0	0.0	
20	QPSK	50	28	23.19	23.31	23.18	24.0	0.0	
20	QPSK	50	56	23.05	23.24	23.23			
20	QPSK	100	0	23.25	23.26	23.14	24.0	0.0	
20	16QAM	1	1	23.34	23.32	23.19	24.0	0.0	
20	64QAM	1	1	22.08	22.09	22.02	22.5	1.5	
20	256QAM	1	1	18.95	20.08	20.01	20.5	3.5	
Channel				163500	163800	163900	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit		
15	QPSK	1	1	23.14	23.26	23.16	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit		
10	QPSK	1	1	23.20	23.31	23.34	24.0	0.0	
Channel				165300	167300	169300	Tune-up	MPR	
Frequency (MHz)				824.5	836.5	846.5	limit		
5	QPSK	1	1	23.27	23.33	23.19	24.0	0.0	

FR1 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				2530	2535	2550			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.83	21.84	21.92			
40	PI/2 BPSK	1	108	21.54	21.68	21.56	23.0	0.0	
40	PI/2 BPSK	1	214	21.70	21.54	21.73			
40	PI/2 BPSK	108	0	21.52	21.51	21.60	23.0	0.0	
40	PI/2 BPSK	108	54	21.55	21.53	21.46	23.0	0.0	
40	PI/2 BPSK	108	108	21.64	21.64	21.58			
40	PI/2 BPSK	216	0	21.67	21.94	21.79	23.0	0.0	
40	QPSK	1	1	21.87	22.00	21.94			
40	QPSK	1	108	21.74	21.90	21.81	23.0	0.0	
40	QPSK	1	214	21.62	21.76	21.59			
40	QPSK	108	0	21.61	21.74	21.64	23.0	0.0	
40	QPSK	108	54	21.54	21.75	21.44	23.0	0.0	
40	QPSK	108	108	21.44	21.63	21.42			
40	QPSK	216	0	21.70	21.74	21.66	23.0	0.0	
40	16QAM	1	1	21.67	21.82	21.73	23.0	0.0	
40	64QAM	1	1	20.21	20.38	20.18	21.5	1.5	
40	256QAM	1	1	18.31	18.47	18.41	19.5	3.5	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit		
30	QPSK	1	1	21.78	21.99	21.89	23.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit		
25	QPSK	1	1	21.68	21.94	21.81	23.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2550	limit		
20	QPSK	1	1	21.86	21.83	21.83	23.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit		
15	QPSK	1	1	21.72	21.94	21.73	23.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit		
10	QPSK	1	1	21.76	21.91	21.84	23.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit		
5	QPSK	1	1	21.86	21.79	21.76	23.0	0.0	

FR1 n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				141300	141500	141700			
Frequency (MHz)				705.5	707.5	709.5			
15	PI/2 BPSK	1	1	23.08	23.15	23.12	24.0	0.0	
15	PI/2 BPSK	1	40	22.79	23.02	23.05			
15	PI/2 BPSK	1	77	23.25	23.20	23.33			
15	PI/2 BPSK	36	0	23.12	22.93	23.03	24.0	0.0	
15	PI/2 BPSK	36	22	22.85	22.90	23.00	24.0	0.0	
15	PI/2 BPSK	36	43	22.93	22.97	23.10	24.0	0.0	
15	PI/2 BPSK	75	0	23.30	23.25	22.98	24.0	0.0	
15	QPSK	1	1	23.31	23.39	23.24	24.0	0.0	
15	QPSK	1	40	23.07	23.20	23.13			
15	QPSK	1	77	23.09	23.13	22.96			
15	QPSK	36	0	23.03	23.18	23.18	24.0	0.0	
15	QPSK	36	22	22.91	23.19	23.10	24.0	0.0	
15	QPSK	36	43	22.97	23.07	23.09	24.0	0.0	
15	QPSK	75	0	23.25	23.27	22.97	24.0	0.0	
15	16QAM	1	1	23.30	23.29	23.10	24.0	0.0	
15	64QAM	1	1	22.01	21.87	21.82	22.5	1.5	
15	256QAM	1	1	19.81	20.00	19.82	20.5	3.5	
Channel				140800	141500	142200	limit	MPR	
Frequency (MHz)				704	707.5	711	limit	(dB)	
10	QPSK	1	1	23.13	23.31	23.08	24.0	0.0	
Channel				140300	141500	142700	limit	MPR	
Frequency (MHz)				701.5 <th>707.5</th> <th>713.5</th> <th>limit</th> <th>(dB)</th> <th></th>	707.5	713.5	limit	(dB)	
5	QPSK	1	1	23.12	23.28	23.23	24.0	0.0	

FR1 n13 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				752					
Frequency (MHz)				156440					
10	PI/2 BPSK	1	1		23.00		24.0	0.0	
10	PI/2 BPSK	1	26		23.07				
10	PI/2 BPSK	1	50		22.97				
10	PI/2 BPSK	25	0		22.97		24.0	0.0	
10	PI/2 BPSK	25	14		22.87		24.0	0.0	
10	PI/2 BPSK	25	27		22.82		24.0	0.0	
10	PI/2 BPSK	50	0		22.98		24.0	0.0	
10	QPSK	1	1		23.12		24.0	0.0	
10	QPSK	1	26		23.11				
10	QPSK	1	50		23.09				
10	QPSK	25	0		23.00		24.0	0.0	
10	QPSK	25	14		23.05		24.0	0.0	
10	QPSK	25	27		23.03		24.0	0.0	
10	QPSK	50	0		23.10		24.0	0.0	
10	16QAM	1	1		23.11		24.0	0.0	
10	64QAM	1	1		21.85		22.5	1.5	
10	256QAM	1	1		19.82		20.5	3.5	
Channel				155900	156400	156900	Tune-up	MPR	
Frequency (MHz)				779.5	782	784.5	limit	(dB)	
5	QPSK	1	1	23.07	22.91	22.92	24.0	0.0	

FR1 n14 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				793					
Frequency (MHz)				158600					
10	PI/2 BPSK	1	1		23.13		24.0	0.0	
10	PI/2 BPSK	1	26		23.09				
10	PI/2 BPSK	1	50		23.02				
10	PI/2 BPSK	25	0		23.18		24.0	0.0	
10	PI/2 BPSK	25	14		23.18		24.0	0.0	
10	PI/2 BPSK	25	27		23.15		24.0	0.0	
10	PI/2 BPSK	50	0		23.08		24.0	0.0	
10	QPSK	1	1		23.31		24.0	0.0	
10	QPSK	1	26		23.30				
10	QPSK	1	50		23.22				
10	QPSK	25	0		23.21		24.0	0.0	
10	QPSK	25	14		23.27		24.0	0.0	
10	QPSK	25	27		23.24		24.0	0.0	
10	QPSK	50	0		23.30		24.0	0.0	
10	16QAM	1	1		23.29		24.0	0.0	
10	64QAM	1	1		21.88		22.5	1.5	
10	256QAM	1	1		19.76		20.5	3.5	
Channel				158100	158600	159100	limit	MPR	
Frequency (MHz)				790.5	793	795.5	limit	(dB)	
5	QPSK	1	1	23.30	23.14	23.23	24.0	0.0	

FR1 n25 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)									
40	PI/2 BPSK	1	1	22.16	22.32	22.22			
40	PI/2 BPSK	1	108	22.16	22.29	22.27	24.0	0.0	
40	PI/2 BPSK	1	214	22.11	22.06	22.27			
40	PI/2 BPSK	108	0	22.08	22.14	22.09	24.0	0.0	
40	PI/2 BPSK	108	54	22.13	22.06	22.27	24.0	0.0	
40	PI/2 BPSK	108	108	22.22	22.20	22.19	24.0	0.0	
40	PI/2 BPSK	216	0	22.24	22.38	22.20			
40	QPSK	1	1	22.38	22.49	22.41			
40	QPSK	1	108	22.21	22.34	22.35	24.0	0.0	
40	QPSK	1	214	22.12	22.32	22.26			
40	QPSK	108	0	22.18	22.27	22.09	24.0	0.0	
40	QPSK	108	54	22.09	22.29	22.18	24.0	0.0	
40	QPSK	108	108	22.05	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.25	22.39	22.29	24.0	0.0	
40	16QAM	1	1	22.21	22.39	22.27	24.0	0.0	
40	64QAM	1	1	20.94	21.03	21.00	22.5	1.5	
40	256QAM	1	1	18.99	19.08	18.87	20.5	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.67	18.82	18.97	limit		
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.18	22.42	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.19	22.40	22.28	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.28	22.43	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.42	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.26	22.36	22.27	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.52	18.82	19.12	limit		

FR1 n26 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	22.93	22.94			
20	PI/2 BPSK	1	53	23.09	23.17	23.24	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.10	23.10			
20	PI/2 BPSK	50	0	23.13	23.09	23.14	24.0	0.0	
20	PI/2 BPSK	50	28	23.19	23.14	23.29	24.0	0.0	
20	PI/2 BPSK	50	56	23.21	23.16	23.15	24.0	0.0	
20	PI/2 BPSK	100	0	23.14	23.22	23.26			
20	QPSK	1	1	23.22	23.34	23.23			
20	QPSK	1	53	22.96	23.14	23.12	24.0	0.0	
20	QPSK	1	104	23.06	23.24	23.25			
20	QPSK	50	0	23.08	23.23	23.01	24.0	0.0	
20	QPSK	50	28	23.23	23.31	23.11	24.0	0.0	
20	QPSK	50	56	23.11	23.29	23.19			
20	QPSK	100	0	23.16	23.30	23.15	24.0	0.0	
20	16QAM	1	1	23.32	23.32	23.18	24.0	0.0	
20	64QAM	1	1	21.84	21.92	21.91	22.5	1.5	
20	256QAM	1	1	19.86	19.91	19.70	20.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.15	23.16	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.25	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.17	23.22	23.13	24.0	0.0	

FR1 n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1		22.21				
10	PI/2 BPSK	1	26		22.15		23.0	0.0	
10	PI/2 BPSK	1	50		22.07				
10	PI/2 BPSK	25	0		21.92		23.0	0.0	
10	PI/2 BPSK	25	14		21.81		23.0	0.0	
10	PI/2 BPSK	25	27		21.96		23.0	0.0	
10	PI/2 BPSK	50	0		22.01				
10	QPSK	1	1		22.25				
10	QPSK	1	26		22.22		23.0	0.0	
10	QPSK	1	50		22.23				
10	QPSK	25	0		22.03		23.0	0.0	
10	QPSK	25	14		22.10		23.0	0.0	
10	QPSK	25	27		22.09		23.0	0.0	
10	QPSK	50	0		22.01		23.0	0.0	
10	16QAM	1	1		22.12		23.0	0.0	
10	64QAM	1	1		20.84		21.5	1.5	
10	256QAM	1	1		18.65		19.5	3.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.20	22.20	22.09	23.0	0.0	

FR1 n66 Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		MPR (dB)
				Ch. / Freq.	345000	Ch. / Freq.	349000	Ch. / Freq.	353000	
Channel				1720	1745	1760				
Frequency (MHz)										
40	PI/2 BPSK	1	1	22.03	22.08	22.03				
40	PI/2 BPSK	1	108	22.01	22.09	22.07	24.0	0.0		
40	PI/2 BPSK	1	214	22.32	22.39	22.36				
40	PI/2 BPSK	108	0	22.20	22.23	22.18	24.0	0.0		
40	PI/2 BPSK	108	54	22.09	22.11	22.12	24.0	0.0		
40	PI/2 BPSK	108	108	22.11	22.32	22.33	24.0	0.0		
40	PI/2 BPSK	216	0	22.37	22.24	22.28				
40	QPSK	1	1	22.44	22.45	22.24				
40	QPSK	1	108	22.20	22.19	22.05	24.0	0.0		
40	QPSK	1	214	22.02	22.15	22.03				
40	QPSK	108	0	22.27	22.24	22.37	24.0	0.0		
40	QPSK	108	54	22.25	22.38	22.25	24.0	0.0		
40	QPSK	108	108	22.12	22.22	22.13	24.0	0.0		
40	QPSK	216	0	22.26	22.32	22.28				
40	16QAM	1	1	22.35	22.44	22.41	24.0	0.0		
40	64QAM	1	1	21.06	21.11	21.02	22.5	1.5		
40	256QAM	1	1	19.08	19.23	19.18	20.5	3.5		
Channel				345500	349000	352500				
Frequency (MHz)										
35	QPSK	1	1	22.23	22.40	22.05	24.0	0.0		
Channel				345000	349000	353000				
Frequency (MHz)										
30	QPSK	1	1	22.44	22.25	22.07	24.0	0.0		
Channel				344500	349000	353500				
Frequency (MHz)										
25	QPSK	1	1	22.30	22.37	22.15	24.0	0.0		
Channel				344000	349000	354000				
Frequency (MHz)										
20	QPSK	1	1	22.30	22.26	22.07	24.0	0.0		
Channel				343500	349000	354500				
Frequency (MHz)										
15	QPSK	1	1	22.36	22.26	22.21	24.0	0.0		
Channel				343000	349000	355000				
Frequency (MHz)										
10	QPSK	1	1	22.43	22.25	22.21	24.0	0.0		
Channel				342500	349000	355500				
Frequency (MHz)										
5	QPSK	1	1	22.22	22.43	22.16	24.0	0.0		

FR1 n71 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power	Tune-up	MPR	
				Low	High	High			
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	and		
Channel				134600	136100	137600	(dBm)		
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.88	22.92	23.03			
20	PI/2 BPSK	1	53	22.49	22.75	22.84	24.0	0.0	
20	PI/2 BPSK	1	104	22.97	22.94	23.12			
20	PI/2 BPSK	50	0	22.82	22.77	22.81	24.0	0.0	
20	PI/2 BPSK	50	28	22.54	22.81	22.74	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.74	22.89	24.0	0.0	
20	PI/2 BPSK	100	0	23.04	22.96	22.82			
20	QPSK	1	1	23.17	23.22	23.18			
20	QPSK	1	53	23.07	23.01	23.10	24.0	0.0	
20	QPSK	1	104	23.10	22.82	22.81			
20	QPSK	50	0	23.04	23.05	23.10	24.0	0.0	
20	QPSK	50	28	22.81	23.12	22.81	24.0	0.0	
20	QPSK	50	56	22.78	23.07	23.00	24.0	0.0	
20	QPSK	100	0	23.14	23.15	22.97			
20	16QAM	1	1	23.17	23.21	22.99	24.0	0.0	
20	64QAM	1	1	22.02	21.82	21.71	22.5	1.5	
20	256QAM	1	1	19.68	20.08	19.68	20.5	3.5	
Channel				134100	135100	136100	Tune-up	MPR	
Frequency (MHz)									
15	QPSK	1	1	23.00	23.08	23.03	24.0	0.0	
Channel				133500	135100	136600	Tune-up	MPR	
Frequency (MHz)									
10	QPSK	1	1	22.99	22.94	23.09	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	22.92	23.04	23.06	24.0	0.0	

FR1 n30 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				462000			24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	23.01				
10	PI/2 BPSK	1	26	22.79				
10	PI/2 BPSK	1	50	22.84				
10	PI/2 BPSK	25	0	22.87				
10	PI/2 BPSK	25	14	22.86				
10	PI/2 BPSK	25	27	22.70				
10	PI/2 BPSK	50	0	22.77				
10	QPSK	1	1	23.08				
10	QPSK	1	26	22.94				
10	QPSK	1	50	23.05				
10	QPSK	25	0	22.87				
10	QPSK	25	14	22.90				
10	QPSK	25	27	22.87				
10	QPSK	50	0	22.92				
10	16QAM	1	1	23.05				
10	64QAM	1	1	21.79				
10	256QAM	1	1	19.55				
Channel				461500	462000	462500	Tune-up limit	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.98	23.00	23.07	24.0	0.0

FR1 n2 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	20.62	20.67	20.73		
20	PI/2 BPSK	1	53	20.70	20.72	20.55	21.5	0.0
20	PI/2 BPSK	1	104	20.61	20.66	20.63		
20	PI/2 BPSK	50	0	20.61	20.69	20.71	21.5	0.0
20	PI/2 BPSK	50	28	20.58	20.55	20.50	21.5	0.0
20	PI/2 BPSK	50	56	20.64	20.65	20.62		
20	PI/2 BPSK	100	0	20.72	20.72	20.64	21.5	0.0
20	QPSK	1	1	20.78	20.88	20.75		
20	QPSK	1	53	20.78	20.74	20.77	21.5	0.0
20	QPSK	1	104	20.68	20.75	20.69		
20	QPSK	50	0	20.64	20.64	20.63	21.5	0.0
20	QPSK	50	28	20.69	20.73	20.70	21.5	0.0
20	QPSK	50	56	20.72	20.68	20.64		
20	QPSK	100	0	20.64	20.70	20.68	21.5	0.0
20	16QAM	1	1	20.63	20.74	20.68	21.5	0.0
20	64QAM	1	1	20.73	20.73	20.66	21.5	0.0
20	256QAM	1	1	19.64	19.60	19.58	20.5	1.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.63	20.62	20.76	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.66	20.70	20.55	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.49	20.71	20.55	21.5	0.0

FR1 n25 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.71	20.75	20.78		
40	PI/2 BPSK	1	108	20.78	20.72	20.64	21.5	0.0
40	PI/2 BPSK	1	214	20.63	20.77	20.69		
40	PI/2 BPSK	108	0	20.69	20.70	20.71	21.5	0.0
40	PI/2 BPSK	108	54	20.57	20.51	20.62	21.5	0.0
40	PI/2 BPSK	108	108	20.65	20.70	20.64		
40	PI/2 BPSK	216	0	20.81	20.75	20.64	21.5	0.0
40	QPSK	1	1	20.75	20.96	20.80		
40	QPSK	1	108	20.80	20.80	20.75	21.5	0.0
40	QPSK	1	214	20.72	20.78	20.71		
40	QPSK	108	0	20.73	20.73	20.77	21.5	0.0
40	QPSK	108	54	20.75	20.84	20.72	21.5	0.0
40	QPSK	108	108	20.69	20.79	20.70		
40	QPSK	216	0	20.68	20.73	20.72	21.5	0.0
40	16QAM	1	1	20.69	20.72	20.73	21.5	0.0
40	64QAM	1	1	20.71	20.81	20.77	21.5	0.0
40	256QAM	1	1	19.95	20.08	19.98	20.5	1.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	20.61	20.55	20.64	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.52	20.57	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.68	20.64	20.55	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.70	20.71	20.61	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.83	20.76	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.75	20.76	20.77	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.66	20.70	20.73	21.5	0.0

FR1 n66 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	19.05	18.99	18.96		
40	PI/2 BPSK	1	108	19.11	18.83	18.84	20.0	0.0
40	PI/2 BPSK	1	214	18.79	19.04	18.83		
40	PI/2 BPSK	108	0	18.87	19.16	18.78	20.0	0.0
40	PI/2 BPSK	108	54	18.96	18.97	18.85	20.0	0.0
40	PI/2 BPSK	108	108	18.77	19.00	18.65		
40	PI/2 BPSK	216	0	19.01	18.95	18.99	20.0	0.0
40	QPSK	1	1	19.14	19.27	19.10		
40	QPSK	1	108	19.06	19.03	19.05	20.0	0.0
40	QPSK	1	214	18.89	19.04	18.84		
40	QPSK	108	0	18.88	19.19	18.88	20.0	0.0
40	QPSK	108	54	18.86	19.13	18.87	20.0	0.0
40	QPSK	108	108	18.86	19.08	18.79		
40	QPSK	216	0	18.96	19.09	18.96	20.0	0.0
40	16QAM	1	1	18.98	19.14	18.97	20.0	0.0
40	64QAM	1	1	18.96	19.21	18.91	20.0	0.0
40	256QAM	1	1	19.10	19.06	18.93	20.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	19.05	18.87	18.86	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.63	19.03	18.66	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.89	18.80	18.79	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.74	19.01	18.70	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.68	19.00	18.73	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.10	18.78	18.77	20.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.89	18.97	18.88	20.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.91	22.94	22.85		
40	PI/2 BPSK	1	53	22.70	22.83	22.75	24.0	0.0
40	PI/2 BPSK	1	104	22.70	22.84	22.82		
40	PI/2 BPSK	50	0	22.21	22.42	22.21	23.5	0.5
40	PI/2 BPSK	50	28	22.68	22.89	22.51	24.0	0.0
40	PI/2 BPSK	50	56	22.23	22.32	22.36	23.5	0.5
40	PI/2 BPSK	100	0	22.39	22.41	22.31		
40	QPSK	1	1	22.86	22.95	22.91		
40	QPSK	1	53	22.83	22.88	22.74	24.0	0.0
40	QPSK	1	104	22.86	22.78	22.89		
40	QPSK	50	0	21.67	21.87	21.66	23.0	1.0
40	QPSK	50	28	22.71	22.85	22.79	24.0	0.0
40	QPSK	50	56	21.58	21.90	21.66	23.0	1.0
40	QPSK	100	0	21.75	21.62	21.60		
40	16QAM	1	1	22.19	22.02	22.06	23.0	1.0
40	64QAM	1	1	20.81	20.77	20.62	21.5	2.5
40	256QAM	1	1	18.45	18.54	18.44	19.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.83	22.83	22.76	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.64	22.93	22.70	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	22.86	22.73	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.82	22.80	22.83	24.0	0.0

FR1 n41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	22.26	22.40	22.35		
100	PI/2 BPSK	1	137	22.46	22.38	22.42	24.0	0.0
100	PI/2 BPSK	1	271	22.44	22.45	22.37		
100	PI/2 BPSK	135	0	22.32	22.46	22.30	24.0	0.0
100	PI/2 BPSK	135	69	22.17	22.01	22.16	24.0	0.0
100	PI/2 BPSK	135	138	22.14	22.25	22.06	24.0	0.0
100	PI/2 BPSK	270	0	22.20	22.51	22.15		
Channel								
100	QPSK	1	1	22.20	22.53	22.38		
100	QPSK	1	137	22.05	22.25	22.41	24.0	0.0
100	QPSK	1	271	22.28	22.39	22.26		
100	QPSK	135	0	22.25	22.21	22.15	24.0	0.0
100	QPSK	135	69	22.19	22.23	22.17	24.0	0.0
100	QPSK	135	138	22.23	22.27	22.22	24.0	0.0
100	QPSK	270	0	22.25	22.44	22.22		
100	16QAM	1	1	22.36	22.35	22.18	24.0	0.0
100	64QAM	1	1	22.22	22.42	22.32	24.0	0.0
100	256QAM	1	1	20.81	20.92	20.74	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.18	22.38	22.21	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.11	22.39	22.34	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.01	22.46	22.26	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.19	22.39	22.30	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.08	22.38	22.17	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.02	22.47	22.27	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.05	22.47	22.30	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.09	22.36	22.15	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.03	22.44	22.36	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.02	22.48	22.30	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.21	22.47	22.16	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 506202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up time (db)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	23.09	23.28	23.22		
100	PI/2 BPSK	1	137	23.12	23.27	23.25	25.0	0.0
100	PI/2 BPSK	1	271	23.07	23.31	23.25		
100	PI/2 BPSK	135	0	23.22	23.27	23.14	25.0	0.0
100	PI/2 BPSK	135	69	23.08	23.31	23.21	25.0	0.0
100	PI/2 BPSK	135	138	23.20	23.36	23.32	25.0	0.0
100	PI/2 BPSK	270	0	23.12	23.11	23.20	25.0	0.0
100	QPSK	1	1	23.38	23.60	23.29		
100	QPSK	1	137	23.16	23.31	23.29	25.0	0.0
100	QPSK	1	271	23.11	23.30	23.27		
100	QPSK	135	0	23.09	23.07	23.08	25.0	0.0
100	QPSK	135	69	23.37	23.50	23.32	25.0	0.0
100	QPSK	135	138	23.05	23.13	23.15	25.0	0.0
100	QPSK	270	0	22.80	22.81	22.64	25.0	0.0
100	16QAM	1	1	23.01	23.00	23.05	25.0	0.0
100	64QAM	1	1	22.95	23.14	23.03	24.5	0.5
100	256QAM	1	1	20.99	21.06	21.06	22.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.05	23.27	23.25	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.08	23.26	23.15	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.01	23.29	23.25	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.07	23.22	23.24	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.11	23.23	23.19	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.06	23.26	23.19	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.10	23.28	23.23	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.08	23.29	23.19	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.06	23.25	23.14	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.13	23.29	23.18	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2500	2505	2500		
Frequency (MHz)								
40	PI/2 BPSK	1	1	21.65	21.80	21.75		
40	PI/2 BPSK	1	53	21.94	21.94	21.89	23.0	0.0
40	PI/2 BPSK	1	104	22.03	22.09	21.90		
40	PI/2 BPSK	50	0	21.21	21.36	21.34	22.5	0.5
40	PI/2 BPSK	50	28	21.62	21.79	21.81	23.0	0.0
40	PI/2 BPSK	50	56	21.49	21.58	21.54		
40	PI/2 BPSK	100	0	21.37	21.51	21.32	22.5	0.5
40	QPSK	1	1	22.11	22.16	22.12		
40	QPSK	1	53	21.94	22.10	21.98	23.0	0.0
40	QPSK	1	104	21.66	21.89	21.84		
40	QPSK	50	0	20.94	20.93	20.81	22.0	1.0
40	QPSK	50	28	21.73	21.80	21.74	23.0	0.0
40	QPSK	50	56	21.02	21.14	21.01		
40	QPSK	100	0	20.77	20.89	20.79	22.0	1.0
40	16QAM	1	1	20.82	20.87	20.70	22.0	1.0
40	64QAM	1	1	19.22	19.23	19.12	20.5	2.5
40	256QAM	1	1	17.33	17.37	17.32	18.5	4.5
Channel				515000	515000	523000	Tune-up	MPR
Frequency (MHz)				2585	2595	2605	limit	(dB)
30	QPSK	1	1	22.01	22.09	21.91	23.0	0.0
Channel				516000	516000	522000	Tune-up	MPR
Frequency (MHz)				2590	2595	2610	limit	(dB)
20	QPSK	1	1	22.11	22.12	22.02	23.0	0.0
Channel				515500	516000	525500	Tune-up	MPR
Frequency (MHz)				2571.5	2595	2612.5	limit	(dB)
15	QPSK	1	1	22.08	22.13	22.13	23.0	0.0
Channel				515000	516000	523000	Tune-up	MPR
Frequency (MHz)				2575	2595	2615	limit	(dB)
10	QPSK	1	1	22.06	22.10	22.10	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				250202	518598	528000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.37	21.48	21.49		
100	PI/2 BPSK	1	137	21.34	21.38	21.29	23.0	0.0
100	PI/2 BPSK	1	271	21.33	21.45	21.26		
100	PI/2 BPSK	135	0	21.28	21.37	21.16	23.0	0.0
100	PI/2 BPSK	135	69	21.17	21.33	21.15	23.0	0.0
100	PI/2 BPSK	135	138	21.19	21.34	21.31		
100	PI/2 BPSK	270	0	21.26	21.33	21.15	23.0	0.0
100	QPSK	1	1	21.45	21.56	21.52		
100	QPSK	1	137	21.34	21.42	21.34	23.0	0.0
100	QPSK	1	271	21.24	21.44	21.44		
100	QPSK	135	0	21.15	21.31	21.24	23.0	0.0
100	QPSK	135	69	21.42	21.45	21.45	23.0	0.0
100	QPSK	135	138	21.38	21.37	21.16	23.0	0.0
100	QPSK	270	0	21.13	21.29	21.08		
100	16QAM	1	1	21.21	21.38	21.24	23.0	0.0
100	64QAM	1	1	21.44	21.51	21.50	23.0	0.0
100	256QAM	1	1	19.96	19.94	19.90	21.5	1.5
Channel				530200	518598	529998	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	21.34	21.39	21.31	23.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2636.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	21.23	21.47	21.44	23.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	21.31	21.50	21.39	23.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2598	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	21.28	21.35	21.34	23.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2654.99	limit	(dB)
50	QPSK	1	1	21.12	21.43	21.33	23.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	21.24	21.48	21.43	23.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	21.38	21.44	21.32	23.0	0.0
Channel				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	21.35	21.48	21.31	23.0	0.0
Channel				500700	518598	535496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2692.48	limit	(dB)
15	QPSK	1	1	21.24	21.43	21.37	23.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2695	limit	(dB)
10	QPSK	1	1	21.28	21.38	21.35	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2546.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.45	24.59	24.21		
100	PI/2 BPSK	1	137	24.37	24.61	24.34	26.0	0.0
100	PI/2 BPSK	1	271	24.48	24.63	24.14		
100	PI/2 BPSK	135	0	24.12	24.31	23.84	25.5	0.5
100	PI/2 BPSK	135	69	24.50	24.58	24.27	26.0	0.0
100	PI/2 BPSK	135	138	24.00	24.23	23.78		
100	PI/2 BPSK	270	0	23.95	24.21	23.73	25.5	0.5
100	QPSK	1	1	24.53	24.71	24.33		
100	QPSK	1	137	24.32	24.59	24.35	26.0	0.0
100	QPSK	1	271	24.32	24.53	24.20		
100	QPSK	135	0	23.48	23.63	23.32	25.0	1.0
100	QPSK	135	69	24.43	24.61	24.34	26.0	0.0
100	QPSK	135	138	23.58	23.72	23.31		
100	QPSK	270	0	23.54	23.71	23.36	25.0	1.0
100	16QAM	1	1	23.61	23.66	23.40	25.0	1.0
100	64QAM	1	1	22.04	22.24	21.72	23.5	2.5
100	256QAM	1	1	19.96	20.22	19.94	21.5	4.5
Channel				530200	518598	529998	Tune-up	MPR
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	24.51	24.62	24.29	26.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2636.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	24.44	24.66	24.25	26.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	24.38	24.61	24.28	26.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2598	2592.99	2659.98	limit	(dB)
60	QPSK	1	1	24.38	24.59	24.12	26.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2654.99	limit	(dB)
50	QPSK	1	1	24.45	24.40	24.33	26.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	24.43	24.61	24.16	26.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	24.49	24.59	24.18	26.0	0.0
Channel				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	24.46	24.66	24.14	26.0	0.0
Channel				500700	518598	535496	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2692.48	limit	(dB)
15	QPSK	1	1	24.33	24.70	24.22	26.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2695	limit	(dB)
10	QPSK	1	1	24.37	24.58	24.18	26.0	0.0

FR1 n38 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				518000	518000	520000		
Frequency (MHz)				2590	2595	2600		
40	PIQ2 BPSK	1	1	22.85	22.97	22.83		
40	PIQ2 BPSK	1	53	22.79	23.00	22.91	24.0	0.0
40	PIQ2 BPSK	1	104	22.97	23.06	22.91		
40	PIQ2 BPSK	50	0	22.30	22.44	22.42	23.5	0.5
40	PIQ2 BPSK	50	23	22.91	22.98	22.92	24.0	0.0
40	PIQ2 BPSK	50	56	22.46	22.50	22.48		
40	PIQ2 BPSK	100	0	22.34	22.41	22.29	23.5	0.5
40	QPSK	1	1	23.06	23.05	23.01		
40	QPSK	1	53	23.06	23.06	23.06	24.0	0.0
40	QPSK	1	104	22.99	22.99	22.98		
40	QPSK	50	0	21.82	21.98	21.79	23.0	1.0
40	QPSK	50	23	22.78	23.00	22.93	24.0	0.0
40	QPSK	50	56	21.88	21.97	21.84		
40	QPSK	100	0	21.87	21.94	21.87	23.0	1.0
40	16QAM	1	1	22.04	22.18	22.17	23.0	1.0
40	16QAM	1	1	20.63	20.72	20.73	21.5	2.5
40	256QAM	1	1	18.62	18.62	18.54	19.5	4.5
Channel				517000	518000	521000	Tune-up limit (dB)	MPR
Frequency (MHz)				2585	2595	2605		
30	QPSK	1	1	22.99	22.95	22.91	24.0	0.0
Channel				516000	518000	520000	Tune-up limit (dB)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.96	22.88	22.88	24.0	0.0
Channel				515500	518000	522500	Tune-up limit (dB)	MPR
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	1	22.85	22.95	22.91	24.0	0.0
Channel				515000	518000	523000	Tune-up limit (dB)	MPR
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	1	23.04	22.99	22.80	24.0	0.0

FR1 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				509000	518500	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PIQ2 BPSK	1	1	22.61	22.50	22.56		
100	PIQ2 BPSK	1	137	22.54	22.83	22.52	24.0	0.0
100	PIQ2 BPSK	1	271	22.49	22.80	22.72		
100	PIQ2 BPSK	135	0	22.49	22.41	22.40	24.0	0.0
100	PIQ2 BPSK	135	89	22.44	22.55	22.45	24.0	0.0
100	PIQ2 BPSK	135	138	22.51	22.80	22.58	24.0	0.0
100	PIQ2 BPSK	270	0	22.60	22.55	22.49		
100	QPSK	1	1	22.75	22.86	22.83		
100	QPSK	1	137	22.82	22.80	22.78	24.0	0.0
100	QPSK	1	271	22.74	22.68	22.78		
100	QPSK	135	0	22.48	22.48	22.37	24.0	0.0
100	QPSK	135	89	22.72	22.85	22.81	24.0	0.0
100	QPSK	135	138	22.50	22.56	22.67	24.0	0.0
100	QPSK	270	0	22.63	22.81	22.55		
100	16QAM	1	1	22.78	22.86	22.82	24.0	0.0
100	16QAM	1	1	22.70	22.70	22.75	24.0	0.0
100	256QAM	1	1	21.17	21.35	21.28	22.5	1.5
Channel				508000	518598	528998	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.59	22.77	22.67	24.0	0.0
Channel				507200	518598	529998	Tune-up limit (dB)	MPR
Frequency (MHz)				2534.01	2592.99	2648.99		
80	QPSK	1	1	22.70	22.67	22.65	24.0	0.0
Channel				506200	518598	531000	Tune-up limit (dB)	MPR
Frequency (MHz)				2531.01	2592.99	2656		
70	QPSK	1	1	22.66	22.70	22.74	24.0	0.0
Channel				505200	518598	531998	Tune-up limit (dB)	MPR
Frequency (MHz)				2529	2592.99	2659.98		
60	QPSK	1	1	22.60	22.82	22.70	24.0	0.0
Channel				504200	518598	532998	Tune-up limit (dB)	MPR
Frequency (MHz)				2521.02	2592.99	2664.98		
50	QPSK	1	1	22.67	22.70	22.66	24.0	0.0
Channel				503200	518598	534000	Tune-up limit (dB)	MPR
Frequency (MHz)				2519.01	2592.99	2670		
40	QPSK	1	1	22.69	22.81	22.65	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.65	22.72	22.64	24.0	0.0
Channel				501200	518598	535998	Tune-up limit (dB)	MPR
Frequency (MHz)				2508.02	2592.99	2679.98		
20	QPSK	1	1	22.69	22.79	22.68	24.0	0.0
Channel				500200	518598	536998	Tune-up limit (dB)	MPR
Frequency (MHz)				2503.02	2592.99	2682.98		
15	QPSK	1	1	22.57	22.70	22.68	24.0	0.0
Channel				500000	518598	537000	Tune-up limit (dB)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.64	22.77	22.73	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				505202	518586	530300	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	23.81	23.99	23.82	
100	PI2 BPSK	1	137	23.97	23.93	24.05	25.0
100	PI2 BPSK	1	271	23.84	23.98	23.94	
100	PI2 BPSK	135	0	23.97	23.81	23.81	25.0
100	PI2 BPSK	135	69	24.06	23.83	24.02	25.0
100	PI2 BPSK	135	138	23.81	23.94	23.99	25.0
100	PI2 BPSK	270	0	23.84	24.01	23.81	
100	QPSK	1	1	24.00	24.07	24.03	
100	QPSK	1	137	23.99	23.94	23.93	25.0
100	QPSK	1	271	23.84	24.04	23.93	
100	QPSK	135	0	23.91	23.83	23.98	24.0
100	QPSK	135	69	23.84	24.05	24.01	25.0
100	QPSK	135	138	23.84	24.04	23.82	24.0
100	QPSK	270	0	23.89	23.95	23.91	
100	16QAM	1	1	23.84	23.97	23.84	25.0
100	16QAM	1	1	22.07	23.19	23.14	24.0
100	256QAM	1	1	21.06	21.15	20.93	22.0
Channel				508200	518586	529986	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.95	23.88	23.98	25.0
Channel				507204	518586	529988	
Frequency (MHz)				2536.102	2592.99	2648.99	
80	QPSK	1	1	23.90	23.97	23.86	25.0
Channel				506202	518586	531000	
Frequency (MHz)				2531.01	2592.99	2665	
70	QPSK	1	1	23.81	24.01	23.88	25.0
Channel				505200	518586	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.95	23.98	23.91	25.0
Channel				504204	518586	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
60	QPSK	1	1	23.81	23.91	23.90	25.0
Channel				503202	518586	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.80	23.93	23.84	25.0
Channel				502200	518586	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.84	23.98	23.91	25.0
Channel				501204	518586	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.90	24.00	23.97	25.0
Channel				500200	518586	536996	
Frequency (MHz)				2501.5	2592.99	2682.48	
15	QPSK	1	1	23.84	23.88	23.85	25.0
Channel				500202	518586	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.84	23.99	23.94	25.0

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FR1 n48 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)
Channel				636000	641666	646332	
Frequency (MHz)				3070	3624.99	3678.98	
40	PI2 BPSK	1	1	18.74	18.75	18.75	
40	PI2 BPSK	1	53	18.74	18.74	18.77	20.0
40	PI2 BPSK	1	104	18.75	18.76	18.75	
40	PI2 BPSK	50	0	18.79	18.77	18.82	20.0
40	PI2 BPSK	50	28	18.79	18.84	18.91	20.0
40	PI2 BPSK	50	56	18.73	18.70	18.71	20.0
40	PI2 BPSK	100	0	18.74	18.77	18.79	
40	QPSK	1	1	18.71	18.87	18.85	
40	QPSK	1	53	18.72	18.84	18.70	20.0
40	QPSK	1	104	18.76	18.77	18.78	
40	QPSK	50	0	18.79	18.81	18.81	
40	QPSK	50	28	18.77	18.83	18.75	20.0
40	QPSK	50	56	18.76	18.80	18.82	
40	QPSK	100	0	18.70	18.80	18.78	20.0
40	16QAM	1	1	18.78	18.83	18.82	20.0
40	16QAM	1	1	18.82	18.71	18.74	20.0
40	256QAM	1	1	18.83	18.70	18.70	20.0
Channel				637668	641666	645666	
Frequency (MHz)				3625.02	3624.99	3654.99	
30	QPSK	1	1	18.59	18.75	18.75	20.0
Channel				637334	641666	646000	
Frequency (MHz)				3661.01	3624.99	3690	
20	QPSK	1	1	18.52	18.75	18.79	20.0
Channel				637168	641666	648166	
Frequency (MHz)				3657.52	3624.99	3692.49	
15	QPSK	1	1	18.58	18.76	18.80	20.0
Channel				637000	641666	648332	
Frequency (MHz)				3655	3624.99	3694.98	
10	QPSK	1	1	18.56	18.70	18.78	20.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Plv2 BPSK	1	1	17.38	17.24	17.42			
100	Plv2 BPSK	1	137	17.14	17.05	17.29	18.0	0.0	
100	Plv2 BPSK	1	271	17.24	17.35	17.45			
100	Plv2 BPSK	135	0	17.45	17.20	17.44	18.0	0.0	
100	Plv2 BPSK	135	89	17.17	17.04	17.30	18.0	0.0	
100	Plv2 BPSK	135	138	17.24	17.32	17.38			
100	Plv2 BPSK	270	0	17.47	17.28	17.42	18.0	0.0	
100	QPSK	1	1	17.15	17.27	17.35			
100	QPSK	1	137	17.26	17.39	17.38	18.0	0.0	
100	QPSK	1	271	17.46	17.26	17.49			
100	QPSK	135	0	17.08	17.12	17.25	18.0	0.0	
100	QPSK	135	89	17.18	17.55	17.48	18.0	0.0	
100	QPSK	135	138	17.46	17.29	17.51			
100	QPSK	270	0	17.14	17.46	17.32	18.0	0.0	
100	16QAM	1	1	17.47	17.28	17.45	18.0	0.0	
100	64QAM	1	1	17.28	17.07	17.31	18.0	0.0	
100	256QAM	1	1	17.18	17.11	17.32	18.0	0.0	
Channel				64968	65000	65232	Tune-up	MPR	
Frequency (MHz)				3485.00	3490	3524.68	limit (dB)		
90	QPSK	1	1	17.40	17.17	17.41	18.0	0.0	
Channel				649334	650000	652666	Tune-up	MPR	
Frequency (MHz)				3480.01	3490	3528.99	limit (dB)		
80	QPSK	1	1	17.12	17.05	17.30	18.0	0.0	
Channel				649000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3485	3490	3495	limit (dB)		
70	QPSK	1	1	17.19	17.37	17.37	18.0	0.0	
Channel				648666	650000	653332	Tune-up	MPR	
Frequency (MHz)				3480.02	3490	3545.98	limit (dB)		
60	QPSK	1	1	17.32	17.23	17.44	18.0	0.0	
Channel				648334	650000	653666	Tune-up	MPR	
Frequency (MHz)				3475.01	3490	3565.99	limit (dB)		
50	QPSK	1	1	17.13	17.01	17.19	18.0	0.0	
Channel				648000	650000	654000	Tune-up	MPR	
Frequency (MHz)				3470	3490	3490	limit (dB)		
40	QPSK	1	1	17.22	17.33	17.37	18.0	0.0	
Channel				647666	650000	654332	Tune-up	MPR	
Frequency (MHz)				34715.02	3485.00	3545.98	limit (dB)		
30	QPSK	1	1	17.35	17.12	17.40	18.0	0.0	
Channel				647334	650000	654666	Tune-up	MPR	
Frequency (MHz)				3470.01	3490	3569.99	limit (dB)		
20	QPSK	1	1	17.10	16.97	17.24	18.0	0.0	
Channel				647000	650000	654932	Tune-up	MPR	
Frequency (MHz)				34707.52	3490	3572.48	limit (dB)		
15	QPSK	1	1	17.33	17.21	17.45	18.0	0.0	
Channel				647000	650000	655000	Tune-up	MPR	
Frequency (MHz)				3470	3490	3575	limit (dB)		
10	QPSK	1	1	17.38	17.21	17.40	18.0	0.0	

FR1 n77 Part 27Q Ant 2 PC2&PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332	636998			
Frequency (MHz)				3489.98					
100	Plv2 BPSK	1	1	17.18					
100	Plv2 BPSK	1	137	17.07			18.0	0.0	
100	Plv2 BPSK	1	271	17.41					
100	Plv2 BPSK	135	0	17.21			18.0	0.0	
100	Plv2 BPSK	135	89	17.09			18.0	0.0	
100	Plv2 BPSK	135	138	17.32			18.0	0.0	
100	Plv2 BPSK	270	0	17.21					
100	QPSK	1	1	17.51					
100	QPSK	1	137	17.39			18.0	0.0	
100	QPSK	1	271	17.22					
100	QPSK	135	0	17.03			18.0	0.0	
100	QPSK	135	89	17.45			18.0	0.0	
100	QPSK	135	138	17.19			18.0	0.0	
100	QPSK	270	0	17.33			18.0	0.0	
100	16QAM	1	1	17.18			18.0	0.0	
100	64QAM	1	1	17.14			18.0	0.0	
100	256QAM	1	1	17.08			18.0	0.0	
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3485	3489.98	3494.99	limit (dB)		
90	QPSK	1	1	17.30	17.22	17.15	18.0	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3480.03	3489.98	3490	limit (dB)		
80	QPSK	1	1	17.22	17.14	17.06	18.0	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3485.01	3489.98	3494.98	limit (dB)		
70	QPSK	1	1	17.40	17.06	17.05	18.0	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3480	3489.98	34919.96	limit (dB)		
60	QPSK	1	1	17.34	17.19	17.14	18.0	0.0	
Channel				631666	633332	635000	Tune-up	MPR	
Frequency (MHz)				3475.02	3489.98	3495	limit (dB)		
50	QPSK	1	1	17.22	17.22	17.12	18.0	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3470.01	3489.98	3505.98	limit (dB)		
40	QPSK	1	1	17.35	17.07	17.00	18.0	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3465	3489.98	3514.98	limit (dB)		
30	QPSK	1	1	17.37	17.26	17.24	18.0	0.0	
Channel				630666	633332	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3489.98	3540	limit (dB)		
20	QPSK	1	1	17.42	17.06	17.03	18.0	0.0	
Channel				630300	633332	636166	Tune-up	MPR	
Frequency (MHz)				3457.5	3489.98	3542.49	limit (dB)		
15	QPSK	1	1	17.27	17.21	17.07	18.0	0.0	
Channel				630000	633332	636332	Tune-up	MPR	
Frequency (MHz)				3455.01	3489.98	3544.98	limit (dB)		
10	QPSK	1	1	17.45	17.00	17.08	18.0	0.0	

FR1 n78_Part 270 Ant 2 PC2&PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				650000			
Frequency (MHz)				3750			
100	Plv2 BPSK	1	1	17.46			
100	Plv2 BPSK	1	137	17.39			18.0 0.0
100	Plv2 BPSK	1	271	17.39			
100	Plv2 BPSK	135	0	17.46			18.0 0.0
100	Plv2 BPSK	135	89	17.39			18.0 0.0
100	Plv2 BPSK	135	138	17.42			18.0 0.0
100	Plv2 BPSK	270	0	17.46			
100	QPSK	1	1	17.50			
100	QPSK	1	137	17.32			18.0 0.0
100	QPSK	1	271	17.49			
100	QPSK	135	0	17.45			18.0 0.0
100	QPSK	135	89	17.49			18.0 0.0
100	QPSK	135	138	17.41			18.0 0.0
100	QPSK	270	0	17.47			
100	16QAM	1	1	17.41			18.0 0.0
100	16QAM	1	1	17.49			18.0 0.0
100	256QAM	1	1	17.33			18.0 0.0
Channel				64968	650000	650332	Tune-up MPR
Frequency (MHz)				3745.02	3750	3754.98	lim (dB)
90	QPSK	1	1	17.37	17.24	17.11	18.0 0.0
Channel				649334	650000	650666	Tune-up MPR
Frequency (MHz)				3740.01	3750	3759.99	lim (dB)
80	QPSK	1	1	17.36	17.25	17.11	18.0 0.0
Channel				649000	650000	651000	Tune-up MPR
Frequency (MHz)				3735	3750	3765	lim (dB)
70	QPSK	1	1	17.25	17.31	17.14	18.0 0.0
Channel				648666	650000	651332	Tune-up MPR
Frequency (MHz)				3730.02	3750	3759.98	lim (dB)
60	QPSK	1	1	17.30	17.28	17.04	18.0 0.0
Channel				648334	650000	651666	Tune-up MPR
Frequency (MHz)				3725.01	3750	3774.99	lim (dB)
50	QPSK	1	1	17.35	17.31	17.07	18.0 0.0
Channel				648000	650000	652000	Tune-up MPR
Frequency (MHz)				3720	3750	3780	lim (dB)
40	QPSK	1	1	17.30	17.35	17.08	18.0 0.0
Channel				647666	650000	652332	Tune-up MPR
Frequency (MHz)				3715.09	3750.00	3784.98	lim (dB)
30	QPSK	1	1	17.35	17.25	17.05	18.0 0.0
Channel				647334	650000	652666	Tune-up MPR
Frequency (MHz)				3710.01	3750	3789.99	lim (dB)
20	QPSK	1	1	17.36	17.28	17.10	18.0 0.0
Channel				647000	650000	653000	Tune-up MPR
Frequency (MHz)				3707.52	3750	3792.48	lim (dB)
15	QPSK	1	1	17.33	17.36	17.07	18.0 0.0
Channel				647000	650000	653000	Tune-up MPR
Frequency (MHz)				3705	3750	3795	lim (dB)
10	QPSK	1	1	17.38	17.21	17.16	18.0 0.0

FR1 n78_Part 27Q Ant 2 PC2&PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633332			
Frequency (MHz)				3499.98			
100	Plv2 BPSK	1	1	17.30			
100	Plv2 BPSK	1	137	17.38			18.0 0.0
100	Plv2 BPSK	1	271	17.34			
100	Plv2 BPSK	135	0	17.39			18.0 0.0
100	Plv2 BPSK	135	89	17.34			18.0 0.0
100	Plv2 BPSK	135	138	17.25			18.0 0.0
100	Plv2 BPSK	270	0	17.40			
100	QPSK	1	1	17.45			
100	QPSK	1	137	17.27			18.0 0.0
100	QPSK	1	271	17.37			
100	QPSK	135	0	17.32			18.0 0.0
100	QPSK	135	89	17.38			18.0 0.0
100	QPSK	135	138	17.34			18.0 0.0
100	QPSK	270	0	17.37			
100	16QAM	1	1	17.32			18.0 0.0
100	16QAM	1	1	17.35			18.0 0.0
100	256QAM	1	1	17.31			18.0 0.0
Channel				633000	633332	633666	Tune-up MPR
Frequency (MHz)				3495	3499.98	3504.98	lim (dB)
90	QPSK	1	1	17.34	17.18	16.97	18.0 0.0
Channel				632666	633332	634000	Tune-up MPR
Frequency (MHz)				3490.01	3499.98	3500	lim (dB)
80	QPSK	1	1	17.26	17.25	16.97	18.0 0.0
Channel				632334	633332	634332	Tune-up MPR
Frequency (MHz)				3485.01	3499.98	3514.98	lim (dB)
70	QPSK	1	1	17.26	17.18	16.96	18.0 0.0
Channel				632000	633332	634666	Tune-up MPR
Frequency (MHz)				3480	3499.98	3519.96	lim (dB)
60	QPSK	1	1	17.25	17.26	17.00	18.0 0.0
Channel				631666	633332	635000	Tune-up MPR
Frequency (MHz)				3474.92	3499.98	3525	lim (dB)
50	QPSK	1	1	17.30	17.28	16.98	18.0 0.0
Channel				631334	633332	635332	Tune-up MPR
Frequency (MHz)				3470.01	3499.98	3529.98	lim (dB)
40	QPSK	1	1	17.26	17.16	17.06	18.0 0.0
Channel				631000	633332	635666	Tune-up MPR
Frequency (MHz)				3465	3499.98	3534.96	lim (dB)
30	QPSK	1	1	17.30	17.18	17.06	18.0 0.0
Channel				630666	633332	636000	Tune-up MPR
Frequency (MHz)				3460.02	3499.98	3540	lim (dB)
20	QPSK	1	1	17.27	17.33	16.99	18.0 0.0
Channel				630300	633332	636166	Tune-up MPR
Frequency (MHz)				3457.5	3499.98	3542.49	lim (dB)
15	QPSK	1	1	17.30	17.15	16.99	18.0 0.0
Channel				630334	633332	636332	Tune-up MPR
Frequency (MHz)				3455.01	3499.98	3544.98	lim (dB)
10	QPSK	1	1	17.35	17.19	17.04	18.0 0.0

FR1 n38 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	518000	520000			
Frequency (MHz)				2590	2595	2600			
40	PIQ2 BPSK	1	1	21.55	21.82	21.58			
40	PIQ2 BPSK	1	53	21.47	21.72	21.51	23.0	0.0	
40	PIQ2 BPSK	1	104	21.40	21.68	21.49			
40	PIQ2 BPSK	50	0	21.02	21.29	21.04	22.5	0.5	
40	PIQ2 BPSK	50	23	21.45	21.73	21.48	23.0	0.0	
40	PIQ2 BPSK	50	56	20.85	21.12	20.86	22.5	0.5	
40	PIQ2 BPSK	100	0	21.04	21.28	21.01			
40	QPSK	1	1	21.88	21.83	21.82			
40	QPSK	1	53	21.49	21.78	21.53	23.0	0.0	
40	QPSK	1	104	21.63	21.85	21.60			
40	QPSK	50	0	20.54	20.80	20.52	22.0	1.0	
40	QPSK	50	23	21.43	21.71	21.42	23.0	0.0	
40	QPSK	50	56	20.43	20.63	20.42	22.0	1.0	
40	QPSK	100	0	20.41	20.85	20.44			
40	16QAM	1	1	20.73	20.86	20.74	22.0	1.0	
40	16QAM	1	1	19.28	19.50	19.26	20.5	2.5	
40	256QAM	1	1	17.11	17.30	17.15	18.5	4.5	
Channel				517000	518000	521000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	21.76	21.80	21.75	23.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.79	21.81	21.74	23.0	0.0	
Channel				515500	518000	522500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	21.72	21.78	21.74	23.0	0.0	
Channel				515000	518000	523000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	21.75	21.86	21.71	23.0	0.0	

FR1 n41 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	518596	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PIQ2 BPSK	1	1	21.37	21.81	21.38			
100	PIQ2 BPSK	1	137	21.44	21.89	21.43	23.0	0.0	
100	PIQ2 BPSK	1	271	21.37	21.58	21.31			
100	PIQ2 BPSK	135	0	21.32	21.53	21.28	23.0	0.0	
100	PIQ2 BPSK	135	89	21.29	21.57	21.38	23.0	0.0	
100	PIQ2 BPSK	135	138	21.38	21.55	21.27	23.0	0.0	
100	PIQ2 BPSK	270	0	21.38	21.80	21.33			
100	QPSK	1	1	21.58	21.75	21.62			
100	QPSK	1	137	21.52	21.72	21.52	23.0	0.0	
100	QPSK	1	271	21.57	21.74	21.46			
100	QPSK	135	0	21.28	21.54	21.29	23.0	0.0	
100	QPSK	135	89	21.54	21.59	21.58	23.0	0.0	
100	QPSK	135	138	21.28	21.54	21.24	23.0	0.0	
100	QPSK	270	0	21.37	21.52	21.33			
100	16QAM	1	1	21.39	21.87	21.39	23.0	0.0	
100	16QAM	1	1	21.54	21.74	21.51	23.0	0.0	
100	256QAM	1	1	19.84	20.17	19.90	21.5	1.5	
Channel				508000	518596	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.52	21.85	21.54	23.0	0.0	
Channel				507204	518596	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2534.01	2592.99	2649.99			
80	QPSK	1	1	21.40	21.89	21.49	23.0	0.0	
Channel				506202	518596	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.48	21.89	21.51	23.0	0.0	
Channel				505200	518596	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2529	2592.99	2660.98			
60	QPSK	1	1	21.41	21.57	21.56	23.0	0.0	
Channel				504204	518596	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	21.51	21.82	21.42	23.0	0.0	
Channel				503202	518596	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2519.01	2592.99	2670			
40	QPSK	1	1	21.42	21.57	21.49	23.0	0.0	
Channel				502200	518596	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.39	21.60	21.54	23.0	0.0	
Channel				501204	518596	535996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	21.52	21.66	21.56	23.0	0.0	
Channel				500200	518596	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.05	2592.99	2682.48			
15	QPSK	1	1	21.41	21.58	21.49	23.0	0.0	
Channel				500202	518596	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.44	21.55	21.56	23.0	0.0	

FR1 n41_HPUE Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				505202	518598	532000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	24.30	24.51	24.23	
100	PI2 BPSK	1	137	24.13	24.39	24.14	26.0
100	PI2 BPSK	1	271	24.21	24.45	24.26	
100	PI2 BPSK	135	0	23.88	24.09	23.83	25.5
100	PI2 BPSK	135	69	24.09	24.37	24.08	26.0
100	PI2 BPSK	135	138	23.89	24.11	23.88	25.5
100	PI2 BPSK	270	0	23.89	24.08	23.84	0.5
100	QPSK	1	1	24.37	24.58	24.46	
100	QPSK	1	137	24.28	24.53	24.27	26.0
100	QPSK	1	271	24.08	24.08	24.12	
100	QPSK	135	0	23.19	23.21	23.01	25.0
100	QPSK	135	69	24.25	24.47	24.18	26.0
100	QPSK	135	138	23.17	23.41	23.20	25.0
100	QPSK	270	0	22.53	23.38	22.52	25.0
100	16QAM	1	1	23.05	23.30	23.05	25.0
100	16QAM	1	1	21.68	21.88	21.62	23.5
100	256QAM	1	1	19.53	19.81	19.58	21.5
Channel				508200	518598	529996	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.96	
90	QPSK	1	1	24.25	24.50	24.35	26.0
Channel				507204	518598	529998	Tune-up limit (dB)
Frequency (MHz)				2636.02	2692.99	2648.99	
80	QPSK	1	1	24.25	24.50	24.35	26.0
Channel				506202	518598	531000	Tune-up limit (dB)
Frequency (MHz)				2631.01	2692.99	2665	
70	QPSK	1	1	24.23	24.48	24.30	26.0
Channel				505200	518598	531996	Tune-up limit (dB)
Frequency (MHz)				2596	2592.99	2639.98	
60	QPSK	1	1	24.26	24.37	24.38	26.0
Channel				504204	518598	532998	Tune-up limit (dB)
Frequency (MHz)				2621.02	2692.99	2664.99	
60	QPSK	1	1	24.20	24.51	24.41	26.0
Channel				503202	518598	534000	Tune-up limit (dB)
Frequency (MHz)				2616.01	2692.99	2670	
40	QPSK	1	1	24.31	24.38	24.34	26.0
Channel				502200	518598	534996	Tune-up limit (dB)
Frequency (MHz)				2611	2692.99	2674.88	
30	QPSK	1	1	24.25	24.48	24.31	26.0
Channel				501204	518598	535996	Tune-up limit (dB)
Frequency (MHz)				2606.02	2692.99	2679.99	
20	QPSK	1	1	24.30	24.36	24.30	26.0
Channel				500200	518598	536996	Tune-up limit (dB)
Frequency (MHz)				2593.5	2692.99	2682.46	
15	QPSK	1	1	24.31	24.40	24.33	26.0
Channel				500002	518598	537000	Tune-up limit (dB)
Frequency (MHz)				2591.01	2692.99	2685	
10	QPSK	1	1	24.30	24.36	24.41	26.0

FR1 n48 Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel				636000	641666	646332	
Frequency (MHz)				3070	3624.99	3678.98	
40	PI2 BPSK	1	1	21.56	21.76	21.49	
40	PI2 BPSK	1	53	21.40	21.62	21.40	23.0
40	PI2 BPSK	1	104	21.30	21.59	21.32	
40	PI2 BPSK	50	0	20.94	21.16	20.87	22.5
40	PI2 BPSK	50	28	21.45	21.66	21.40	23.0
40	PI2 BPSK	50	56	20.99	21.23	21.01	22.5
40	PI2 BPSK	100	0	20.99	21.19	20.88	0.5
40	QPSK	1	1	21.81	21.87	21.76	
40	QPSK	1	53	21.55	21.76	21.50	23.0
40	QPSK	1	104	21.52	21.75	21.53	
40	QPSK	50	0	21.40	21.62	21.34	22.0
40	QPSK	50	28	21.34	21.76	21.34	23.0
40	QPSK	50	56	21.36	21.85	21.42	22.0
40	QPSK	100	0	21.32	21.75	21.36	22.0
40	16QAM	1	1	21.56	21.85	21.66	22.0
40	16QAM	1	1	20.14	20.33	20.08	20.5
40	256QAM	1	1	18.19	18.43	18.22	18.5
Channel				637668	641666	645666	Tune-up limit (dB)
Frequency (MHz)				3665.02	3624.99	3684.99	
30	QPSK	1	1	21.62	21.81	21.67	23.0
Channel				637334	641666	646000	Tune-up limit (dB)
Frequency (MHz)				3661.01	3624.99	3660	
20	QPSK	1	1	21.76	21.81	21.57	23.0
Channel				637168	641666	646166	Tune-up limit (dB)
Frequency (MHz)				3657.52	3624.99	3662.49	
15	QPSK	1	1	21.68	21.88	21.62	23.0
Channel				637000	641666	646332	Tune-up limit (dB)
Frequency (MHz)				3655	3624.99	3664.98	
10	QPSK	1	1	21.74	21.77	21.69	23.0

FR1 n77 Part 27O Ant 3 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.17	19.83	19.83			
100	PI2 BPSK	1	137	20.03	19.87	19.85	21.5	0.0	
100	PI2 BPSK	1	271	20.12	20.01	19.96			
100	PI2 BPSK	135	0	20.14	19.80	19.80	21.5	0.0	
100	PI2 BPSK	135	69	19.96	19.94	19.81	21.5	0.0	
100	PI2 BPSK	135	138	20.09	19.97	20.01	21.5	0.0	
100	PI2 BPSK	270	0	20.18	19.65	19.76			
100	QPSK	1	1	19.96	20.27	19.81			
100	QPSK	1	137	20.16	20.00	19.90	21.5	0.0	
100	QPSK	1	271	20.21	19.80	19.75			
100	QPSK	135	0	20.04	19.91	19.86	21.5	0.0	
100	QPSK	135	69	20.18	20.22	19.98	21.5	0.0	
100	QPSK	135	138	20.18	19.83	19.83	21.5	0.0	
100	QPSK	270	0	20.03	20.15	19.83	21.5	0.0	
100	16QAM	1	1	20.02	19.80	19.80	21.5	0.0	
100	16QAM	1	1	20.02	20.00	19.81	21.5	0.0	
100	256QAM	1	1	19.96	19.20	19.95	20.5	1.0	
Channel				649688	650000	652332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit	(dB)	
90	QPSK	1	1	20.17	19.83	19.83	21.5	0.0	
Channel				649334	650000	652686	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit	(dB)	
80	QPSK	1	1	20.03	19.97	19.85	21.5	0.0	
Channel				649000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3734	3840	3945	limit	(dB)	
70	QPSK	1	1	20.12	20.01	19.96	21.5	0.0	
Channel				648688	650000	653332	Tune-up	MPR	
Frequency (MHz)				3729.02	3840	3949.98	limit	(dB)	
60	QPSK	1	1	19.96	19.94	19.81	21.5	0.0	
Channel				648334	650000	653686	Tune-up	MPR	
Frequency (MHz)				3724.01	3840	3954.99	limit	(dB)	
50	QPSK	1	1	20.09	19.97	20.01	21.5	0.0	
Channel				648000	650000	654000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	20.18	19.85	19.78	21.5	0.0	
Channel				647688	650000	654332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3954.98	limit	(dB)	
30	QPSK	1	1	19.96	19.93	19.81	21.5	0.0	
Channel				647334	650000	654686	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3959.99	limit	(dB)	
20	QPSK	1	1	20.21	19.80	19.75	21.5	0.0	
Channel				647000	650000	655000	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.48	limit	(dB)	
15	QPSK	1	1	20.04	19.91	19.86	21.5	0.0	
Channel				647000	650000	655000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.02	20.00	19.81	21.5	0.0	

FR1 n77 Part 27Q Ant 3 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3459.98				
100	PI2 BPSK	1	1		20.41				
100	PI2 BPSK	1	137		20.12		21.5	0.0	
100	PI2 BPSK	1	271		20.18				
100	PI2 BPSK	135	0		20.42		21.5	0.0	
100	PI2 BPSK	135	69		20.10		21.5	0.0	
100	PI2 BPSK	135	138		20.15		21.5	0.0	
100	PI2 BPSK	270	0		20.38				
100	QPSK	1	1		20.37				
100	QPSK	1	137		20.14		21.5	0.0	
100	QPSK	1	271		20.40				
100	QPSK	135	0		20.09		21.5	0.0	
100	QPSK	135	69		20.42		21.5	0.0	
100	QPSK	135	138		20.30		21.5	0.0	
100	QPSK	270	0		20.37				
100	16QAM	1	1		20.41		21.5	0.0	
100	16QAM	1	1		20.12		21.5	0.0	
100	256QAM	1	1		19.87		20.5	1.0	
Channel				633000	633332	633686	Tune-up	MPR	
Frequency (MHz)				3455	3459.98	3464.99	limit	(dB)	
90	QPSK	1	1	20.41	20.20	20.37	21.5	0.0	
Channel				632688	633332	634000	Tune-up	MPR	
Frequency (MHz)				3450.02	3459.98	3500	limit	(dB)	
80	QPSK	1	1	20.12	20.01	20.19	21.5	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3445.01	3459.98	3514.98	limit	(dB)	
70	QPSK	1	1	20.18	20.35	20.40	21.5	0.0	
Channel				632000	633332	634686	Tune-up	MPR	
Frequency (MHz)				3440	3459.98	3519.99	limit	(dB)	
60	QPSK	1	1	20.42	20.21	20.36	21.5	0.0	
Channel				631688	633332	635000	Tune-up	MPR	
Frequency (MHz)				3435.02	3459.98	3505	limit	(dB)	
50	QPSK	1	1	20.10	20.01	20.21	21.5	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3430.01	3459.98	3529.98	limit	(dB)	
40	QPSK	1	1	20.15	20.35	20.38	21.5	0.0	
Channel				631000	633332	635686	Tune-up	MPR	
Frequency (MHz)				3425	3459.98	3534.99	limit	(dB)	
30	QPSK	1	1	20.38	20.18	20.35	21.5	0.0	
Channel				630688	633332	636000	Tune-up	MPR	
Frequency (MHz)				3420.02	3459.98	3540	limit	(dB)	
20	QPSK	1	1	20.11	20.03	20.23	21.5	0.0	
Channel				630500	633332	636166	Tune-up	MPR	
Frequency (MHz)				3427.5	3459.98	3542.49	limit	(dB)	
15	QPSK	1	1	20.14	20.30	20.37	21.5	0.0	
Channel				630334	633332	636332	Tune-up	MPR	
Frequency (MHz)				3425.01	3459.98	3544.98	limit	(dB)	
10	QPSK	1	1	20.40	20.22	20.43	21.5	0.0	

FR1 n78_Part 27O Ant 3 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	20.01			
100	PI2 BPSK	1	137	19.75			
100	PI2 BPSK	1	271	19.92			
100	PI2 BPSK	135	0	20.06		21.5	0.0
100	PI2 BPSK	135	69	19.79		21.5	0.0
100	PI2 BPSK	135	138	19.89		21.5	0.0
100	PI2 BPSK	270	0	20.06			
100	QPSK	1	1	20.11			
100	QPSK	1	137	19.89		21.5	0.0
100	QPSK	1	271	20.03			
100	QPSK	135	0	19.82		21.5	0.0
100	QPSK	135	69	20.09		21.5	0.0
100	QPSK	135	138	20.03		21.5	0.0
100	QPSK	270	0	20.01			
100	16QAM	1	1	20.08		21.5	0.0
100	64QAM	1	1	19.82		21.5	0.0
100	256QAM	1	1	19.43		20.5	1.0
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	20.01	19.81	20.10	21.5 0.0
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3749.01	3750	3750.99	limit (dB)
80	QPSK	1	1	19.81	19.70	19.98	21.5 0.0
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3746	3750	3754	limit (dB)
70	QPSK	1	1	19.85	19.97	20.02	21.5 0.0
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3743.02	3750	3756.98	limit (dB)
60	QPSK	1	1	20.01	19.84	20.03	21.5 0.0
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3740.01	3750	3759.99	limit (dB)
50	QPSK	1	1	19.81	19.71	19.90	21.5 0.0
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3737.01	3750	3763.99	limit (dB)
40	QPSK	1	1	19.83	19.97	20.02	21.5 0.0
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3734.02	3750.00	3764.98	limit (dB)
30	QPSK	1	1	20.01	19.84	20.04	21.5 0.0
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3730.01	3750	3769.99	limit (dB)
20	QPSK	1	1	19.73	19.69	19.94	21.5 0.0
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3727.52	3750	3762.48	limit (dB)
15	QPSK	1	1	19.88	20.05	20.08	21.5 0.0
Channel				646000	650000	653500	Tune-up
Frequency (MHz)				3715	3750	3765	limit (dB)
10	QPSK	1	1	19.80	19.67	19.53	21.5 0.0

FR1 n78_Part 27Q Ant 3 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	19.92			
100	PI2 BPSK	1	137	19.84			
100	PI2 BPSK	1	271	20.06			
100	PI2 BPSK	135	0	19.99		21.5	0.0
100	PI2 BPSK	135	69	19.75		21.5	0.0
100	PI2 BPSK	135	138	20.06		21.5	0.0
100	PI2 BPSK	270	0	19.91			
100	QPSK	1	1	20.35			
100	QPSK	1	137	20.07		21.5	0.0
100	QPSK	1	271	19.95			
100	QPSK	135	0	19.74		21.5	0.0
100	QPSK	135	69	20.22		21.5	0.0
100	QPSK	135	138	19.86		21.5	0.0
100	QPSK	270	0	20.16			
100	16QAM	1	1	19.85		21.5	0.0
100	64QAM	1	1	19.82		21.5	0.0
100	256QAM	1	1	19.85		20.5	1.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	20.06	19.92	20.16	21.5 0.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	19.81	19.84	19.94	21.5 0.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	19.89	20.06	20.16	21.5 0.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	20.15	19.88	20.18	21.5 0.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	19.80	19.75	20.03	21.5 0.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	19.96	20.06	20.07	21.5 0.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	20.17	19.91	20.19	21.5 0.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	19.82	19.77	19.98	21.5 0.0
Channel				630500	633332	636332	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	19.87	20.07	20.09	21.5 0.0
Channel				630334	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	19.82	19.74	19.99	21.5 0.0

FR1 n48 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000	64166	64532			
Frequency (MHz)				3570	3624.99	3679.98			
40	PV2 BPSK	1	1	19.94	19.91	19.97			
40	PV2 BPSK	1	53	19.92	19.85	19.99	21.0	0.0	
40	PV2 BPSK	1	104	19.91	19.97	19.95			
40	PV2 BPSK	50	0	20.00	19.89	19.89	21.0	0.0	
40	PV2 BPSK	50	25	19.90	19.86	19.94	21.0	0.0	
40	PV2 BPSK	50	50	19.91	19.99	19.91	21.0	0.0	
40	PV2 BPSK	100	0	19.89	19.96	19.95			
40	QPSK	1	1	19.99	20.03	19.92			
40	QPSK	1	53	19.91	19.98	19.89	21.0	0.0	
40	QPSK	1	104	19.97	19.91	19.98			
40	QPSK	50	0	19.94	20.01	20.00	21.0	0.0	
40	QPSK	50	25	19.91	19.99	19.94	21.0	0.0	
40	QPSK	50	50	19.90	19.97	19.95	21.0	0.0	
40	QPSK	100	0	19.99	20.00	19.92	21.0	0.0	
40	16QAM	1	1	19.98	19.92	19.97	21.0	0.0	
40	64QAM	1	1	19.99	20.00	20.00	21.0	0.0	
40	256QAM	1	1	19.96	19.42	19.33	19.5	1.5	
Channel				63766	64166	64566	Tune-up	MPR	
Frequency (MHz)				3655.02	3624.99	3634.99	limit (dB)		
30	QPSK	1	1	19.84	19.84	19.82	21.0	0.0	
Channel				63734	64166	64600	Tune-up	MPR	
Frequency (MHz)				3660.01	3624.99	3692	limit (dB)		
20	QPSK	1	1	19.80	19.78	19.81	21.0	0.0	
Channel				63716	64166	64616	Tune-up	MPR	
Frequency (MHz)				3657.12	3624.99	3692.48	limit (dB)		
15	QPSK	1	1	19.82	19.82	19.78	21.0	0.0	
Channel				63700	64166	64632	Tune-up	MPR	
Frequency (MHz)				3655	3624.99	3694.98	limit (dB)		
10	QPSK	1	1	19.79	19.84	19.85	21.0	0.0	

FR1 n77 Part 270 Ant 4 PC2&PC3									
BW [MHz]	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	65000	66000			
Frequency (MHz)				3760	3840	3920			
100	PV2 BPSK	1	1	19.97	19.94	19.94			
100	PV2 BPSK	1	137	19.97	19.95	19.99	20.0	0.0	
100	PV2 BPSK	1	271	19.90	19.82	19.95			
100	PV2 BPSK	135	0	19.93	19.93	19.92	20.0	0.0	
100	PV2 BPSK	135	69	19.96	19.93	19.94	20.0	0.0	
100	PV2 BPSK	135	138	19.91	19.99	19.91	20.0	0.0	
100	PV2 BPSK	270	0	19.90	19.97	19.95			
100	QPSK	1	1	19.97	19.98	19.94			
100	QPSK	1	137	19.94	19.93	19.93	20.0	0.0	
100	QPSK	1	271	19.90	19.91	19.98			
100	QPSK	135	0	19.91	19.95	19.97	20.0	0.0	
100	QPSK	135	69	19.93	19.98	19.96	20.0	0.0	
100	QPSK	135	138	19.97	19.93	19.93	20.0	0.0	
100	QPSK	270	0	19.93	19.94	19.99	20.0	0.0	
100	16QAM	1	1	19.80	19.96	19.63	20.0	0.0	
100	64QAM	1	1	19.94	19.99	19.95	20.0	0.0	
100	256QAM	1	1	19.99	19.92	19.92	20.0	0.0	
Channel				64968	65800	66232	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit (dB)		
90	QPSK	1	1	19.90	19.94	19.99	20.0	0.0	
Channel				64934	65800	66266	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)		
80	QPSK	1	1	19.90	19.94	19.90	20.0	0.0	
Channel				64900	65800	66300	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)		
70	QPSK	1	1	19.95	19.99	19.91	20.0	0.0	
Channel				64868	65800	66332	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3940.98	limit (dB)		
60	QPSK	1	1	19.49	19.48	19.55	20.0	0.0	
Channel				64834	65800	66366	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3944.99	limit (dB)		
50	QPSK	1	1	19.48	19.92	19.94	20.0	0.0	
Channel				64800	65800	66400	Tune-up	MPR	
Frequency (MHz)				3720	3840	3949.99	limit (dB)		
40	QPSK	1	1	19.48	19.90	19.49	20.0	0.0	
Channel				64768	65800	66432	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3944.98	limit (dB)		
30	QPSK	1	1	19.94	19.95	19.49	20.0	0.0	
Channel				64734	65800	66466	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3949.99	limit (dB)		
20	QPSK	1	1	19.94	19.92	19.95	20.0	0.0	
Channel				64700	65800	66512	Tune-up	MPR	
Frequency (MHz)				3707.92	3840	3972.48	limit (dB)		
15	QPSK	1	1	19.49	19.99	19.94	20.0	0.0	
Channel				64700	65800	66900	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit (dB)		
10	QPSK	1	1	19.91	19.92	19.99	20.0	0.0	

FR1 n77 Part 27Q Ant 4 PC2&PC3									
BW [MHz]	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	63332	63332			
Frequency (MHz)				3499.98					
100	PV2 BPSK	1	1		19.28			20.0	0.0
100	PV2 BPSK	1	137		19.32			20.0	0.0
100	PV2 BPSK	1	271		19.36			20.0	0.0
100	PV2 BPSK	135	0		19.34			20.0	0.0
100	PV2 BPSK	135	69		19.31			20.0	0.0
100	PV2 BPSK	135	138		19.36			20.0	0.0
100	PV2 BPSK	270	0		19.35			20.0	0.0
100	QPSK	1	1		19.31			20.0	0.0
100	QPSK	1	137		19.30			20.0	0.0
100	QPSK	1	271		19.33			20.0	0.0
100	QPSK	135	0		19.29			20.0	0.0
100	QPSK	135	69		19.34			20.0	0.0
100	QPSK	135	138		19.30			20.0	0.0
100	QPSK	270	0		19.30			20.0	0.0
100	16QAM	1	1		19.38			20.0	0.0
100	64QAM	1	1		19.31			20.0	0.0
100	256QAM	1	1		19.33			20.0	0.0
Channel				63300	63332	63366	Tune-up	MPR	
Frequency (MHz)				3495	3494.98	3504.99	limit (dB)		
90	QPSK	1	1	19.23	19.33	19.25	20.0	limit (dB)	MPR
Channel				63266	63332	63400	Tune-up	MPR	
Frequency (MHz)				3490.02	3494.98	3510	limit (dB)		
80	QPSK	1	1	19.34	19.32	19.33	20.0	limit (dB)	MPR
Channel				63234	63332	63432	Tune-up	MPR	
Frequency (MHz)				3485.01	3494.98	3514.98	limit (dB)		
70	QPSK	1	1	19.24	19.28	19.34	20.0	limit (dB)	MPR
Channel				63200	63332	63466	Tune-up	MPR	
Frequency (MHz)				3480	3494.98	3519.99	limit (dB)		
60	QPSK	1	1	19.30	19.28	19.33	20.0	limit (dB)	MPR
Channel				63168	63332	63500	Tune-up	MPR	
Frequency (MHz)				3475.02	3494.98	3505	limit (dB)		
50	QPSK	1	1	19.23	19.25	19.24	20.0	limit (dB)	MPR
Channel				63134	63332	63532	Tune-up	MPR	
Frequency (MHz)				3470.01	3494.98	3509.98	limit (dB)		
40	QPSK	1	1	19.32	19.31	19.23	20.0	limit (dB)	MPR
Channel				63100	63332	63566	Tune-up	MPR	
Frequency (MHz)				3465	3494.98	3514.98	limit (dB)		
30	QPSK	1	1	19.25	19.28	19.26	20.0	limit (dB)	MPR
Channel				63068	63332	63600	Tune-up	MPR	
Frequency (MHz)				3460.02	3494.98	3509	limit (dB)		
20	QPSK	1	1	19.23	19.32	19.28	20.0	limit (dB)	MPR
Channel				63036	63332	63616	Tune-up	MPR	
Frequency (MHz)				3455.05	3494.98	3502.49	limit (dB)		
15	QPSK	1	1	19.26	19.24	19.23	20.0	limit (dB)	MPR
Channel				630034	63332	636332	Tune-up	MPR	
Frequency (MHz)				3445.69	3494.98	3504.69	limit (dB)		
10	QPSK	1	1	19.27	19.33	19.26	20.0	limit (dB)	MPR

FR1 n78_Part 27O Ant 4 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				3750			
Frequency (MHz)				19.52			
100	PI2 BPSK	1	1	19.52			
100	PI2 BPSK	1	137	19.20			
100	PI2 BPSK	1	271	19.29			
100	PI2 BPSK	135	0	19.50			20.0
100	PI2 BPSK	135	69	19.15			20.0
100	PI2 BPSK	135	138	19.24			20.0
100	PI2 BPSK	270	0	19.52			20.0
100	QPSK	1	1	19.58			
100	QPSK	1	137	19.33			20.0
100	QPSK	1	271	19.41			20.0
100	QPSK	135	0	19.20			20.0
100	QPSK	135	69	19.50			20.0
100	QPSK	135	138	19.21			20.0
100	QPSK	270	0	19.15			20.0
100	16QAM	1	1	19.52			20.0
100	64QAM	1	1	19.14			20.0
100	256QAM	1	1	19.24			20.0
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	19.49	19.08	19.01	20.0
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3749.01	3750	3750.99	limit (dB)
80	QPSK	1	1	19.25	19.24	19.19	20.0
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3746	3750	3754	limit (dB)
70	QPSK	1	1	19.45	19.25	19.18	20.0
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3742.02	3750	3757.98	limit (dB)
60	QPSK	1	1	19.49	19.08	19.01	20.0
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3738.01	3750	3761.99	limit (dB)
50	QPSK	1	1	19.23	19.25	19.15	20.0
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3734	3750	3766	limit (dB)
40	QPSK	1	1	19.40	19.20	19.22	20.0
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3730.02	3750.00	3764.98	limit (dB)
30	QPSK	1	1	19.39	19.05	19.13	20.0
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3719.01	3750	3769.99	limit (dB)
20	QPSK	1	1	19.32	19.25	19.08	20.0
Channel				647000	650000	652332	Tune-up
Frequency (MHz)				3717.52	3750	3762.48	limit (dB)
15	QPSK	1	1	19.39	19.30	19.23	20.0
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3715	3750	3765	limit (dB)
10	QPSK	1	1	19.35	19.28	19.26	20.0

FR1 n78_Part 27Q Ant 4 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	19.04			
100	PI2 BPSK	1	137	19.11			
100	PI2 BPSK	1	271	19.22			
100	PI2 BPSK	135	0	19.36			20.0
100	PI2 BPSK	135	69	19.20			20.0
100	PI2 BPSK	135	138	19.18			20.0
100	PI2 BPSK	270	0	19.03			20.0
100	QPSK	1	1	19.35			
100	QPSK	1	137	19.20			20.0
100	QPSK	1	271	19.33			20.0
100	QPSK	135	0	19.15			20.0
100	QPSK	135	69	19.38			20.0
100	QPSK	135	138	19.30			20.0
100	QPSK	270	0	19.34			20.0
100	16QAM	1	1	19.06			20.0
100	64QAM	1	1	19.14			20.0
100	256QAM	1	1	19.22			20.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	19.42	19.97	19.00	20.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	19.35	19.23	19.11	20.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	19.34	19.03	18.93	20.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	19.23	19.14	19.09	20.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3505	limit (dB)
50	QPSK	1	1	19.29	19.19	19.20	20.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3523.98	limit (dB)
40	QPSK	1	1	19.36	18.98	18.93	20.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	19.32	19.13	19.16	20.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	19.29	19.14	19.12	20.0
Channel				630500	633332	636166	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	19.27	19.18	19.07	20.0
Channel				630334	633332	636332	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	19.24	19.17	19.01	20.0

FR1 n48 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3670	3624.99	3679.98			
Frequency (MHz)				19.73	19.61	19.77			
40	PV2 BPSK	1	1	19.73	19.61	19.77			
40	PV2 BPSK	1	53	19.61	19.70	19.50	21.0	0.0	
40	PV2 BPSK	1	104	19.56	19.71	19.45			
40	PV2 BPSK	50	0	19.62	19.68	19.61	20.5	0.5	
40	PV2 BPSK	50	26	19.31	19.55	19.41	21.0	0.0	
40	PV2 BPSK	50	50	19.27	19.51	19.28	20.5	0.5	
40	PV2 BPSK	100	0	19.44	19.56	19.35			
40	QPSK	1	1	19.65	20.06	19.84			
40	QPSK	1	53	19.78	19.65	19.66	21.0	0.0	
40	QPSK	1	104	19.70	19.92	19.67			
40	QPSK	50	0	19.68	19.73	19.51	20.0	1.0	
40	QPSK	50	26	19.53	19.77	19.56	21.0	0.0	
40	QPSK	50	50	19.63	19.69	19.45	20.0	1.0	
40	QPSK	100	0	19.55	19.65	19.61			
40	16QAM	1	1	19.81	19.91	19.67	20.0	1.0	
40	64QAM	1	1	19.24	19.40	19.37	18.5	2.5	
40	256QAM	1	1	19.37	19.47	19.42	18.5	4.5	
Channel				637668	641666	645666	Tune-up	MPR	
Frequency (MHz)				3665.02	3624.99	3684.99	limit (dB)		
30	QPSK	1	1	19.80	19.93	19.79	21.0	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				3660.01	3624.99	3690	limit (dB)		
20	QPSK	1	1	19.87	19.90	19.79	21.0	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				3657.52	3624.99	3692.48	limit (dB)		
15	QPSK	1	1	19.82	19.88	19.78	21.0	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				3655	3624.99	3694.98	limit (dB)		
10	QPSK	1	1	19.81	19.97	19.71	21.0	0.0	

FR1 n77 PC3/PC2 Part 270 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3840	3920			
100	PV2 BPSK	1	1	20.03	19.95	20.00			
100	PV2 BPSK	1	137	20.04	19.93	19.99	20.5	0.0	
100	PV2 BPSK	1	271	20.00	20.12	20.01			
100	PV2 BPSK	135	0	20.06	20.11	19.98	20.5	0.0	
100	PV2 BPSK	135	69	20.05	19.90	20.04	20.5	0.0	
100	PV2 BPSK	135	138	19.99	19.97	20.06	20.5	0.0	
100	PV2 BPSK	270	0	20.02	20.02	20.03			
100	QPSK	1	1	20.09	20.13	20.10			
100	QPSK	1	137	20.08	19.99	20.07	20.5	0.0	
100	QPSK	1	271	19.92	19.95	20.01			
100	QPSK	135	0	20.02	20.02	20.01	20.5	0.0	
100	QPSK	135	69	19.93	20.10	19.90	20.5	0.0	
100	QPSK	135	138	19.90	19.90	20.08	20.5	0.0	
100	QPSK	270	0	20.02	20.08	20.05			
100	16QAM	1	1	19.84	19.98	20.12	20.5	0.0	
100	64QAM	1	1	19.96	19.90	20.04	20.5	0.0	
100	256QAM	1	1	17.80	18.07	17.83	18.5	2.0	
Channel				649668	656000	662332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit (dB)		
90	QPSK	1	1	19.87	20.03	19.91	20.5	0.0	
Channel				649334	656000	662666	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)		
80	QPSK	1	1	20.02	20.09	19.92	20.5	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)		
70	QPSK	1	1	20.02	20.10	19.94	20.5	0.0	
Channel				648668	656000	663332	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3940.98	limit (dB)		
60	QPSK	1	1	20.01	20.02	19.97	20.5	0.0	
Channel				648334	656000	663666	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3945.99	limit (dB)		
50	QPSK	1	1	20.02	19.98	19.95	20.5	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3946	limit (dB)		
40	QPSK	1	1	19.93	19.98	20.07	20.5	0.0	
Channel				647668	656000	664332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3944.98	limit (dB)		
30	QPSK	1	1	19.88	19.92	19.90	20.5	0.0	
Channel				647334	656000	664666	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3949.99	limit (dB)		
20	QPSK	1	1	19.90	19.92	19.96	20.5	0.0	
Channel				647000	656000	664832	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3952.48	limit (dB)		
15	QPSK	1	1	19.99	19.97	19.93	20.5	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3955	limit (dB)		
10	QPSK	1	1	20.05	20.07	19.92	20.5	0.0	

FR1 n77 PC3/PC2 Part 27Q Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332	3469.98				
100	PV2 BPSK	1	1	20.13					
100	PV2 BPSK	1	137	20.21			20.5	0.0	
100	PV2 BPSK	1	271	20.07					
100	PV2 BPSK	135	0	20.27			20.5	0.0	
100	PV2 BPSK	135	69	20.07			20.5	0.0	
100	PV2 BPSK	135	138	20.04			20.5	0.0	
100	PV2 BPSK	270	0	20.05					
100	QPSK	1	1	20.25					
100	QPSK	1	137	20.11			20.5	0.0	
100	QPSK	1	271	20.07					
100	QPSK	135	0	20.22			20.5	0.0	
100	QPSK	135	69	20.27			20.5	0.0	
100	QPSK	135	138	20.06			20.5	0.0	
100	QPSK	270	0	20.25					
100	16QAM	1	1	20.13			20.5	0.0	
100	64QAM	1	1	20.05			20.5	0.0	
100	256QAM	1	1	18.09			18.5	2.0	
Channel				633000	633332	633666	Tune-up	MPR	
Frequency (MHz)				3465	3468.98	3471.98	limit (dB)		
90	QPSK	1	1	20.18	20.11	20.24	20.5	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3460.02	3468.98	3470	limit (dB)		
80	QPSK	1	1	20.24	20.06	20.15	20.5	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3455.01	3468.98	3474.98	limit (dB)		
70	QPSK	1	1	20.19	20.08	20.09	20.5	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3450.00	3468.98	3471.99	limit (dB)		
60	QPSK	1	1	20.23	20.10	20.26	20.5	0.0	
Channel				631668	633332	635000	Tune-up	MPR	
Frequency (MHz)				3445.02	3468.98	3475	limit (dB)		
50	QPSK	1	1	20.24	20.22	20.26	20.5	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3440.01	3468.98	3478.98	limit (dB)		
40	QPSK	1	1	20.12	20.25	20.18	20.5	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3435.00	3468.98	3473.98	limit (dB)		
30	QPSK	1	1	20.25	20.13	20.23	20.5	0.0	
Channel				630668	633332	636000	Tune-up	MPR	
Frequency (MHz)				3430.02	3468.98	3470	limit (dB)		
20	QPSK	1	1	20.22	20.12	20.20	20.5	0.0	
Channel				630300	633332	636166	Tune-up	MPR	
Frequency (MHz)				3425.00	3468.98	3472.99	limit (dB)		
15	QPSK	1	1	20.21	20.14	20.11	20.5	0.0	
Channel				630034	633332	636332	Tune-up	MPR	
Frequency (MHz)				3420.01	3468.98	3474.98	limit (dB)		
10	QPSK	1	1	20.15	20.21	20.08	20.5	0.0	

FR1 n78_PC3/PC2 Part 270 Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	19.87			
100	PI2 BPSK	1	137	19.89			
100	PI2 BPSK	1	271	19.82			
100	PI2 BPSK	135	0	20.02			20.5
100	PI2 BPSK	135	69	19.86			20.5
100	PI2 BPSK	135	138	19.93			20.5
100	PI2 BPSK	270	0	19.81			20.5
100	QPSK	1	1	20.02			0.0
100	QPSK	1	137	19.89			20.5
100	QPSK	1	271	20.01			0.0
100	QPSK	135	0	19.88			20.5
100	QPSK	135	69	20.04			20.5
100	QPSK	135	138	19.91			20.5
100	QPSK	270	0	20.01			20.5
100	16QAM	1	1	19.86			20.5
100	64QAM	1	1	20.01			20.5
100	256QAM	1	1	17.88			18.5
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	19.94	19.91	19.88	20.5
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3749.01	3750	3750.99	limit (dB)
80	QPSK	1	1	19.97	19.84	19.96	20.5
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3746	3750	3754	limit (dB)
70	QPSK	1	1	19.99	20.01	19.84	20.5
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3742.02	3750	3759.98	limit (dB)
60	QPSK	1	1	19.98	20.02	19.86	20.5
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3738.01	3750	3761.99	limit (dB)
50	QPSK	1	1	19.93	19.86	19.93	20.5
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3734	3750	3766	limit (dB)
40	QPSK	1	1	19.85	20.02	19.94	20.5
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3730.02	3750	3764.98	limit (dB)
30	QPSK	1	1	20.02	19.83	19.91	20.5
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3726.01	3750	3769.99	limit (dB)
20	QPSK	1	1	19.88	19.93	19.86	20.5
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3722.02	3750	3772.46	limit (dB)
15	QPSK	1	1	19.92	19.92	19.97	20.5
Channel				646668	650000	653332	Tune-up
Frequency (MHz)				3718.01	3750	3775	limit (dB)
10	QPSK	1	1	19.87	19.99	20.01	20.5

FR1 n78_PC3/PC2 Part 27Q Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633332			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	19.99			
100	PI2 BPSK	1	137	19.97			
100	PI2 BPSK	1	271	20.05			
100	PI2 BPSK	135	0	19.89			20.5
100	PI2 BPSK	135	69	20.07			20.5
100	PI2 BPSK	135	138	19.93			20.5
100	PI2 BPSK	270	0	20.01			20.5
100	QPSK	1	1	20.12			0.0
100	QPSK	1	137	20.09			20.5
100	QPSK	1	271	20.30			0.0
100	QPSK	135	0	20.03			20.5
100	QPSK	135	69	20.08			20.5
100	QPSK	135	138	19.96			20.5
100	QPSK	270	0	20.03			20.5
100	16QAM	1	1	20.08			20.5
100	64QAM	1	1	19.93			20.5
100	256QAM	1	1	17.98			18.5
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	20.02	20.00	20.08	20.5
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3509.99	limit (dB)
80	QPSK	1	1	20.07	19.95	20.00	20.5
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	19.93	19.98	20.05	20.5
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	20.03	20.07	20.09	20.5
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	20.06	20.01	19.94	20.5
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	20.03	19.90	19.92	20.5
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	20.04	19.92	19.99	20.5
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	19.92	20.03	20.07	20.5
Channel				630300	633332	636332	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	19.92	20.02	19.92	20.5
Channel				630000	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	20.04	20.07	20.04	20.5

FR1 n2 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 3742000	Middle Ch. / Freq. 3760000	High Ch. / Freq. 3800000		
Channel				1850	1860	1900		
Frequency (MHz)								
20	PI/2 BPSK	1	1	22.90	22.91	22.87	24.0	0.0
20	PI/2 BPSK	1	53	22.85	22.68	22.57		
20	PI/2 BPSK	1	104	22.76	22.79	22.69		
20	PI/2 BPSK	50	0	22.64	22.81	22.82	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.92	22.82	24.0	0.0
20	PI/2 BPSK	50	56	22.80	22.90	22.80	24.0	0.0
20	PI/2 BPSK	100	0	22.75	22.85	22.92	24.0	0.0
20	QPSK	1	1	22.97	23.04	23.02	24.0	0.0
20	QPSK	1	53	22.87	22.87	22.75		
20	QPSK	1	104	22.85	22.88	22.82		
20	QPSK	50	0	22.85	22.88	22.92	24.0	0.0
20	QPSK	50	28	22.86	22.92	22.90	24.0	0.0
20	QPSK	50	56	22.86	22.91	22.82	24.0	0.0
20	QPSK	100	0	22.76	22.85	22.92	24.0	0.0
20	16QAM	1	1	22.92	23.02	23.01	24.0	0.0
20	64QAM	1	1	21.55	21.72	21.70	22.5	1.5
20	256QAM	1	1	19.64	19.70	19.66	20.5	3.5
Channel				371500	376000	380500	Tune-up MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit (dB)	
15	QPSK	1	1	22.93	22.98	23.02	24.0	0.0
Channel				371000	376000	381000	Tune-up MPR	
Frequency (MHz)				1855	1880	1905	limit (dB)	
10	QPSK	1	1	22.76	22.88	22.83	24.0	0.0
Channel				370500	376000	381500	Tune-up MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit (dB)	
5	QPSK	1	1	22.83	22.89	22.81	24.0	0.0

Reduced Power Mode for Sensor on								
FR1 n7 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
40	PI2 BPSK	1	1	22.55	22.72	22.75	24.0	0.0
40	PI2 BPSK	1	108	22.44	22.77	22.69		
40	PI2 BPSK	1	214	22.72	22.62	22.53		
40	PI2 BPSK	108	0	22.73	22.70	22.51	24.0	0.0
40	PI2 BPSK	108	54	22.45	22.67	22.52	24.0	0.0
40	PI2 BPSK	108	108	22.33	22.82	22.81	24.0	0.0
40	PI2 BPSK	216	0	22.58	22.75	22.61	24.0	0.0
40	QPSK	1	1	22.73	22.84	22.81	24.0	0.0
40	QPSK	1	108	22.61	22.78	22.69		
40	QPSK	1	214	22.72	22.76	22.58		
40	QPSK	108	0	22.73	22.70	22.60	24.0	0.0
40	QPSK	108	54	22.55	22.83	22.52	24.0	0.0
40	QPSK	108	108	22.52	22.79	22.70	24.0	0.0
40	QPSK	216	0	22.56	22.81	22.67	24.0	0.0
40	16QAM	1	1	22.88	22.67	22.62	24.0	0.0
40	64QAM	1	1	21.32	21.31	21.31	22.5	1.5
40	256QAM	1	1	19.22	19.28	19.22	20.5	3.5
Channel				503000	507000	510000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.72	22.79	22.77	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.59	22.67	22.71	24.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.52	22.66	22.75	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.58	22.79	22.69	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.59	22.68	22.60	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.61	22.75	22.71	24.0	0.0

FR1 n25 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel				1870	1882.5	1895		
Frequency (MHz)				22.96	22.97	22.74		
40	PI/2 BPSK	1	1	22.96	22.97	22.74	24.0	0.0
40	PI/2 BPSK	1	108	22.87	22.80	22.65		
40	PI/2 BPSK	1	214	22.75	22.82	22.79		
40	PI/2 BPSK	108	0	22.82	22.87	22.76	24.0	0.0
40	PI/2 BPSK	108	54	22.80	22.80	22.80	24.0	0.0
40	PI/2 BPSK	108	108	22.74	22.69	22.80	24.0	0.0
40	PI/2 BPSK	216	0	22.67	22.88	22.65		
40	QPSK	1	1	22.97	23.02	22.95	24.0	0.0
40	QPSK	1	108	22.95	22.86	22.81		
40	QPSK	1	214	22.84	22.81	22.78		
40	QPSK	108	0	22.80	22.94	22.80	24.0	0.0
40	QPSK	108	54	22.88	22.95	22.83	24.0	0.0
40	QPSK	108	108	22.93	22.81	22.84	24.0	0.0
40	QPSK	216	0	22.76	22.89	22.78		
40	16QAM	1	1	22.95	22.78	22.77	24.0	0.0
40	64QAM	1	1	21.41	21.48	21.20	22.5	1.5
40	256QAM	1	1	19.54	19.42	19.27	20.5	3.5
Channel				373500	376500	379500	Tune-up MPR	
Frequency (MHz)				1867.5	1882.5	1897.5	(dB)	
35	QPSK	1	1	22.90	22.89	22.94	24.0	0.0
Channel				373000	376500	380000	Tune-up MPR	
Frequency (MHz)				1865	1882.5	1900	(dB)	
30	QPSK	1	1	22.76	22.89	22.74	24.0	0.0
Channel				372500	376500	380500	Tune-up MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dB)	
25	QPSK	1	1	22.81	22.99	22.94	24.0	0.0
Channel				372000	376500	381000	Tune-up MPR	
Frequency (MHz)				1860	1882.5	1905	(dB)	
20	QPSK	1	1	22.94	22.87	22.95	24.0	0.0
Channel				371500	376500	381500	Tune-up MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	(dB)	
15	QPSK	1	1	22.95	23.01	22.84	24.0	0.0
Channel				371000	376500	382000	Tune-up MPR	
Frequency (MHz)				1855	1882.5	1910	(dB)	
10	QPSK	1	1	22.98	22.91	22.74	24.0	0.0
Channel				370500	376500	382500	Tune-up MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	(dB)	
5	QPSK	1	1	22.89	22.94	22.87	24.0	0.0

FR1 n30 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				2310					
Frequency (MHz)									
10	PI/2 BPSK	1	1		21.64		23.0	0.0	
10	PI/2 BPSK	1	26		21.63				
10	PI/2 BPSK	1	50		21.51				
10	PI/2 BPSK	25	0		21.85		23.0	0.0	
10	PI/2 BPSK	25	14		21.74		23.0	0.0	
10	PI/2 BPSK	25	27		21.57		23.0	0.0	
10	PI/2 BPSK	50	0		21.69				
10	QPSK	1	1		21.88				
10	QPSK	1	26		21.63		23.0	0.0	
10	QPSK	1	50		21.71				
10	QPSK	25	0		21.81				
10	QPSK	25	14		21.85		23.0	0.0	
10	QPSK	25	27		21.69		23.0	0.0	
10	QPSK	50	0		21.78		23.0	0.0	
10	16QAM	1	1		21.75				
10	64QAM	1	1		21.52				
10	256QAM	1	1		19.35		20.5	2.5	
Channel				461500	462000	462500	Tune-up		
Frequency (MHz)				2307.5	2310	2312.5	MPR		
5	QPSK	1	1	21.74	21.77	21.76	23.0	0.0	(dB)

FR1 n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000					
Frequency (MHz)				1720 1745 1760					
40	PI/2 BPSK	1	1	23.13	22.97	23.01	24.0	0.0	
40	PI/2 BPSK	1	108	22.77	22.79	22.80			
40	PI/2 BPSK	1	214	22.61	22.81	22.77			
40	PI/2 BPSK	108	0	23.06	22.84	22.82	24.0	0.0	
40	PI/2 BPSK	108	54	22.69	22.84	22.82	24.0	0.0	
40	PI/2 BPSK	108	108	22.53	22.75	22.52	24.0	0.0	
40	PI/2 BPSK	216	0	22.58	22.75	22.50	24.0	0.0	
40	QPSK	1	1	23.12	23.15	23.11			
40	QPSK	1	108	22.84	23.00	22.79			
40	QPSK	1	214	22.81	22.93	22.88	24.0	0.0	
40	QPSK	108	0	23.11	23.13	22.97	24.0	0.0	
40	QPSK	108	54	22.96	23.15	22.84	24.0	0.0	
40	QPSK	108	108	22.74	22.88	22.66	24.0	0.0	
40	QPSK	216	0	22.64	22.73	22.59	24.0	0.0	
40	16QAM	1	1	22.91	23.11	22.97			
40	64QAM	1	1	21.84	21.88	21.85			
40	256QAM	1	1	19.87	20.06	20.05	20.5	3.5	
Channel				345500	346000	346500	Tune-up limit		
Frequency (MHz)				1727.5	1745	1762.5	MPR (dB)		
35	QPSK	1	1	23.14	23.01	22.96	24.0	0.0	
Channel				345000	346000	346000	Tune-up limit		
Frequency (MHz)				1725	1745	1765	MPR (dB)		
30	QPSK	1	1	23.02	23.04	22.92	24.0	0.0	
Channel				344500	346000	346500	Tune-up limit		
Frequency (MHz)				1722.5	1745	1767.5	MPR (dB)		
25	QPSK	1	1	23.02	23.01	22.89	24.0	0.0	
Channel				344000	346000	346000	Tune-up limit		
Frequency (MHz)				1720	1745	1760	MPR (dB)		
20	QPSK	1	1	23.13	23.10	23.07	24.0	0.0	
Channel				343500	346000	346500	Tune-up limit		
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)		
15	QPSK	1	1	22.93	22.98	23.03	24.0	0.0	
Channel				343000	346000	346500	Tune-up limit		
Frequency (MHz)				1715	1745	1775	MPR (dB)		
10	QPSK	1	1	23.04	23.04	23.00	24.0	0.0	
Channel				342500	346000	346500	Tune-up limit		
Frequency (MHz)				1712.5	1745	1777.5	MPR (dB)		
5	QPSK	1	1	23.07	22.97	23.09	24.0	0.0	

FR1 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				1850	1880	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.32	22.20	22.43			
20	PI/2 BPSK	1	53	22.30	22.21	22.33	24.0	0.0	
20	PI/2 BPSK	1	104	22.29	22.45	22.29			
20	PI/2 BPSK	50	0	22.17	22.34	22.35	24.0	0.0	
20	PI/2 BPSK	50	28	22.32	22.28	22.17	24.0	0.0	
20	PI/2 BPSK	50	56	22.30	22.36	22.43			
20	PI/2 BPSK	100	0	22.37	22.39	22.43	24.0	0.0	
20	QPSK	1	1	22.49	22.51	22.38			
20	QPSK	1	53	22.28	22.41	22.40	24.0	0.0	
20	QPSK	1	104	22.21	22.37	22.15			
20	QPSK	50	0	22.37	22.33	22.21	24.0	0.0	
20	QPSK	50	28	22.42	22.43	22.25	24.0	0.0	
20	QPSK	50	56	22.18	22.37	22.15			
20	QPSK	100	0	22.22	22.42	22.27	24.0	0.0	
20	16QAM	1	1	22.46	22.47	22.26	24.0	0.0	
20	64QAM	1	1	21.16	21.16	21.07	22.5	1.5	
20	256QAM	1	1	18.59	18.18	18.02	20.5	3.5	
Channel				314.00	316.00	318.00	Tune-up	MPR	
Frequency (MHz)				1857.5	1880	1902.5	limit		
15	QPSK	1	1	22.38	22.47	22.17	24.0	0.0	
Channel				3710.00	3750.00	3810.00	Tune-up	MPR	
Frequency (MHz)				1855	1880	1905	limit		
10	QPSK	1	1	22.36	22.46	22.22	24.0	0.0	
Channel				3705.00	3760.00	3815.00	Tune-up	MPR	
Frequency (MHz)				1852.5	1880	1907.5	limit		
5	QPSK	1	1	22.47	22.30	22.32	24.0	0.0	

FR1 n5 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	23.13	23.13			
20	PI/2 BPSK	1	53	22.99	23.07	23.04	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.29	23.31			
20	PI/2 BPSK	50	0	23.20	23.12	23.02	24.0	0.0	
20	PI/2 BPSK	50	28	23.07	23.06	23.22	24.0	0.0	
20	PI/2 BPSK	50	56	23.13	23.14	23.11			
20	PI/2 BPSK	100	0	23.29	23.25	23.20	24.0	0.0	
20	QPSK	1	1	23.27	23.35	23.34			
20	QPSK	1	53	23.14	23.30	23.16	24.0	0.0	
20	QPSK	1	104	23.09	23.14	23.12			
20	QPSK	50	0	23.16	23.29	23.23	24.0	0.0	
20	QPSK	50	28	23.19	23.31	23.18	24.0	0.0	
20	QPSK	50	56	23.05	23.24	23.23			
20	QPSK	100	0	23.25	23.26	23.14	24.0	0.0	
20	16QAM	1	1	23.34	23.32	23.19	24.0	0.0	
20	64QAM	1	1	22.08	22.09	22.02	22.5	1.5	
20	256QAM	1	1	18.95	20.08	20.01	20.5	3.5	
Channel				1633.00	1638.00	1643.00	Tune-up	MPR	
Frequency (MHz)				831.5	836.5	841.5	limit		
15	QPSK	1	1	23.14	23.26	23.16	24.0	0.0	
Channel				1653.00	1673.00	1693.00	Tune-up	MPR	
Frequency (MHz)				829	836.5	844	limit		
10	QPSK	1	1	23.20	23.31	23.34	24.0	0.0	
Channel				1653.00	1673.00	1693.00	Tune-up	MPR	
Frequency (MHz)				824.5	836.5	848.5	limit		
5	QPSK	1	1	23.27	23.33	23.19	24.0	0.0	

FR1 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				2530	2535	2550			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.83	21.84	21.92			
40	PI/2 BPSK	1	108	21.54	21.68	21.56	23.0	0.0	
40	PI/2 BPSK	1	214	21.70	21.54	21.73			
40	PI/2 BPSK	108	0	21.52	21.51	21.60	23.0	0.0	
40	PI/2 BPSK	108	54	21.55	21.53	21.46	23.0	0.0	
40	PI/2 BPSK	108	108	21.64	21.64	21.58			
40	PI/2 BPSK	216	0	21.67	21.94	21.79	23.0	0.0	
40	QPSK	1	1	21.87	22.00	21.94			
40	QPSK	1	108	21.74	21.90	21.81	23.0	0.0	
40	QPSK	1	214	21.82	21.76	21.59			
40	QPSK	108	0	21.61	21.74	21.64	23.0	0.0	
40	QPSK	108	54	21.54	21.75	21.44	23.0	0.0	
40	QPSK	108	108	21.44	21.63	21.42			
40	QPSK	216	0	21.70	21.74	21.66	23.0	0.0	
40	16QAM	1	1	21.67	21.82	21.73	23.0	0.0	
40	64QAM	1	1	20.21	20.38	20.18	21.5	1.5	
40	256QAM	1	1	18.31	18.47	18.41	19.5	3.5	
Channel				5030.00	5070.00	5110.00	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit		
30	QPSK	1	1	21.78	21.99	21.89	23.0	0.0	
Channel				5025.00	5070.00	5115.00	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit		
25	QPSK	1	1	21.68	21.94	21.81	23.0	0.0	
Channel				5020.00	5070.00	5120.00	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit		
20	QPSK	1	1	21.86	21.83	21.83	23.0	0.0	
Channel				5015.00	5070.00	5125.00	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit		
15	QPSK	1	1	21.72	21.94	21.73	23.0	0.0	
Channel				5010.00	5070.00	5130.00	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit		
10	QPSK	1	1	21.76	21.91	21.84	23.0	0.0	
Channel				5005.00	5070.00	5135.00	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit		
5	QPSK	1	1	21.86	21.79	21.76	23.0	0.0	

FR1 n12 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dbm)	MPR (db)	
Channel				705.5	707.5	709.5			
Frequency (MHz)									
15	PI/2 BPSK	1	1	23.08	23.15	23.12			
15	PI/2 BPSK	1	40	22.79	23.02	23.05	24.0	0.0	
15	PI/2 BPSK	1	77	23.25	23.20	23.33			
15	PI/2 BPSK	36	0	23.12	22.93	23.03	24.0	0.0	
15	PI/2 BPSK	36	22	22.85	22.90	23.00	24.0	0.0	
15	PI/2 BPSK	36	43	22.93	22.97	23.10			
15	PI/2 BPSK	75	0	23.30	23.25	22.98	24.0	0.0	
15	QPSK	1	1	23.31	23.39	23.24			
15	QPSK	1	40	23.07	23.20	23.13	24.0	0.0	
15	QPSK	1	77	23.09	23.13	22.96			
15	QPSK	36	0	23.03	23.18	23.18	24.0	0.0	
15	QPSK	36	22	22.91	23.19	23.10	24.0	0.0	
15	QPSK	36	43	22.97	23.07	23.09			
15	QPSK	75	0	23.25	23.27	22.97	24.0	0.0	
15	16QAM	1	1	23.30	23.29	23.10	24.0	0.0	
15	64QAM	1	1	22.01	21.87	21.82	22.5	1.5	
15	256QAM	1	1	19.81	20.00	19.82	20.5	3.5	
Channel				140800	141500	142200	limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	23.13	23.31	23.08	24.0	0.0	
Channel				140300	141500	142700	limit	MPR	
Frequency (MHz)									
5	QPSK	1	1	23.12	23.28	23.23	24.0	0.0	

FR1 n13 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				759					
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.00				
10	PI/2 BPSK	1	26		23.07		24.0	0.0	
10	PI/2 BPSK	1	50		22.98				
10	PI/2 BPSK	25	0		22.97		24.0	0.0	
10	PI/2 BPSK	25	14		22.87		24.0	0.0	
10	PI/2 BPSK	25	27		22.82		24.0	0.0	
10	PI/2 BPSK	50	0		22.98				
10	QPSK	1	1		23.12				
10	QPSK	1	26		23.11		24.0	0.0	
10	QPSK	1	50		23.09				
10	QPSK	25	0		23.00		24.0	0.0	
10	QPSK	25	14		23.05		24.0	0.0	
10	QPSK	25	27		23.03		24.0	0.0	
10	QPSK	50	0		23.10				
10	16QAM	1	1		23.11		24.0	0.0	
10	64QAM	1	1		21.85		22.5	1.5	
10	256QAM	1	1		19.82		20.5	3.5	
Channel				155900	156400	156900	Tune-up	MPR	
Frequency (MHz)				779.5	782	784.5	limit	(dB)	
5	QPSK	1	1	23.07	22.91	22.92	24.0	0.0	

FR1 n14 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				793					
Frequency (Mhz)									
10	PI/2 BPSK	1	1		23.13		24.0	0.0	
10	PI/2 BPSK	1	26		23.09				
10	PI/2 BPSK	1	50		23.02				
10	PI/2 BPSK	25	0		23.18		24.0	0.0	
10	PI/2 BPSK	25	14		23.18		24.0	0.0	
10	PI/2 BPSK	25	27		23.15		24.0	0.0	
10	PI/2 BPSK	50	0		23.08				
10	QPSK	1	1		23.31		24.0	0.0	
10	QPSK	1	26		23.30				
10	QPSK	1	50		23.22				
10	QPSK	25	0		23.21		24.0	0.0	
10	QPSK	25	14		23.27		24.0	0.0	
10	QPSK	25	27		23.24		24.0	0.0	
10	QPSK	50	0		23.30				
10	16QAM	1	1		23.29		24.0	0.0	
10	64QAM	1	1		21.88		22.5	1.5	
10	256QAM	1	1		19.76		20.5	3.5	
Channel				158100	158600	159100	Tune-up	MPR	
Frequency (MHz)				790.5	793	795.5	limit	(db)	
5	QPSK	1	1	23.30	23.14	23.23	24.0	0.0	

FR1 n25 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)									
40	PI/2 BPSK	1	1	22.16	22.34	22.22			
40	PI/2 BPSK	1	108	22.16	22.29	22.27	24.0	0.0	
40	PI/2 BPSK	1	214	22.11	22.06	22.27			
40	PI/2 BPSK	108	0	22.08	22.14	22.09	24.0	0.0	
40	PI/2 BPSK	108	54	22.13	22.06	22.27	24.0	0.0	
40	PI/2 BPSK	108	108	22.22	22.20	22.19	24.0	0.0	
40	PI/2 BPSK	216	0	22.24	22.38	22.20			
40	QPSK	1	1	22.38	22.49	22.41			
40	QPSK	1	108	22.21	22.34	22.35	24.0	0.0	
40	QPSK	1	214	22.12	22.32	22.26			
40	QPSK	108	0	22.18	22.27	22.09	24.0	0.0	
40	QPSK	108	54	22.09	22.29	22.18	24.0	0.0	
40	QPSK	108	108	22.05	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.25	22.39	22.29	24.0	0.0	
40	16QAM	1	1	22.21	22.39	22.27	24.0	0.0	
40	64QAM	1	1	20.94	21.03	21.00	22.5	1.5	
40	256QAM	1	1	18.99	19.08	18.87	20.5	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.19	22.45	22.23	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.18	22.42	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.19	22.40	22.28	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.28	22.43	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.42	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.26	22.36	22.27	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.38	22.49	22.28	24.0	0.0	

FR1 n26 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 164800	Power Middle Ch. / Freq. 166300	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.11	22.93	22.94			
20	PI/2 BPSK	1	53	23.09	23.17	23.24	24.0	0.0	
20	PI/2 BPSK	1	104	23.23	23.10	23.10			
20	PI/2 BPSK	50	0	23.13	23.09	23.14	24.0	0.0	
20	PI/2 BPSK	50	28	23.19	23.14	23.29	24.0	0.0	
20	PI/2 BPSK	50	56	23.21	23.16	23.15	24.0	0.0	
20	PI/2 BPSK	100	0	23.14	23.22	23.26			
20	QPSK	1	1	23.22	23.34	23.23			
20	QPSK	1	53	22.96	23.14	23.12	24.0	0.0	
20	QPSK	1	104	23.06	23.24	23.25			
20	QPSK	50	0	23.08	23.23	23.01	24.0	0.0	
20	QPSK	50	28	23.23	23.31	23.11	24.0	0.0	
20	QPSK	50	56	23.11	23.29	23.19			
20	QPSK	100	0	23.16	23.30	23.15	24.0	0.0	
20	16QAM	1	1	23.32	23.32	23.18	24.0	0.0	
20	64QAM	1	1	21.84	21.92	21.91	22.5	1.5	
20	256QAM	1	1	19.86	19.91	19.70	20.5	3.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.15	23.15	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.25	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.17	23.22	23.13	24.0	0.0	

FR1 n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1		22.21				
10	PI/2 BPSK	1	26		22.15		23.0	0.0	
10	PI/2 BPSK	1	50		22.07				
10	PI/2 BPSK	25	0		21.92		23.0	0.0	
10	PI/2 BPSK	25	14		21.81		23.0	0.0	
10	PI/2 BPSK	25	27		21.96		23.0	0.0	
10	PI/2 BPSK	50	0		22.01				
10	QPSK	1	1		22.25				
10	QPSK	1	26		22.22		23.0	0.0	
10	QPSK	1	50		22.23				
10	QPSK	25	0		22.03		23.0	0.0	
10	QPSK	25	14		22.10		23.0	0.0	
10	QPSK	25	27		22.09		23.0	0.0	
10	QPSK	50	0		22.01		23.0	0.0	
10	16QAM	1	1		22.12		23.0	0.0	
10	64QAM	1	1		20.84		21.5	1.5	
10	256QAM	1	1		18.65		19.5	3.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.20	22.14	22.09	23.0	0.0	

FR1 n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Low 1745	Middle Ch. / Freq. 349000	High Ch. / Freq. 355000		
Channel				1730	1745	1760			
Frequency (MHz)									
40	PI/2 BPSK	1	1	22.03	22.08	22.03			
40	PI/2 BPSK	1	108	22.01	22.09	22.07	24.0	0.0	
40	PI/2 BPSK	1	214	22.32	22.39	22.36			
40	PI/2 BPSK	108	0	22.20	22.23	22.18	24.0	0.0	
40	PI/2 BPSK	108	54	22.09	22.11	22.12	24.0	0.0	
40	PI/2 BPSK	108	108	22.11	22.32	22.33	24.0	0.0	
40	PI/2 BPSK	216	0	22.37	22.24	22.29			
40	QPSK	1	1	22.44	22.45	22.24			
40	QPSK	1	108	22.20	22.19	22.05	24.0	0.0	
40	QPSK	1	214	22.02	22.15	22.03			
40	QPSK	108	0	22.27	22.24	22.37	24.0	0.0	
40	QPSK	108	54	22.25	22.35	22.25	24.0	0.0	
40	QPSK	108	108	22.12	22.22	22.13	24.0	0.0	
40	QPSK	216	0	22.26	22.32	22.28			
40	16QAM	1	1	22.35	22.44	22.41	24.0	0.0	
40	64QAM	1	1	21.06	21.11	21.02	22.5	1.5	
40	256QAM	1	1	19.08	19.23	19.18	20.5	3.5	
Channel				345500	349000	352500			
Frequency (MHz)				1727.5	1745	1762.5	limit		
35	QPSK	1	1	22.23	22.40	22.05	24.0	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765	limit		
30	QPSK	1	1	22.44	22.25	22.07	24.0	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5	limit		
25	QPSK	1	1	22.30	22.37	22.15	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770	limit		
20	QPSK	1	1	22.30	22.26	22.07	24.0	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5	limit		
15	QPSK	1	1	22.36	22.26	22.21	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775	limit		
10	QPSK	1	1	22.43	22.25	22.21	24.0	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5	limit		
5	QPSK	1	1	22.22	22.43	22.16	24.0	0.0	

FR1 n71 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq. 134600	Middle Ch. / Freq. 136100	High Ch. / Freq. 137600			
Channel				673	680.5	688			
Frequency (MHz)									
20	PI/2 BPSK	1	1	22.88	22.92	23.03			
20	PI/2 BPSK	1	53	22.49	22.75	22.84	24.0	0.0	
20	PI/2 BPSK	1	104	22.97	22.94	23.12			
20	PI/2 BPSK	50	0	22.82	22.77	22.81	24.0	0.0	
20	PI/2 BPSK	50	28	22.54	22.81	22.74	24.0	0.0	
20	PI/2 BPSK	50	56	22.82	22.74	22.89	24.0	0.0	
20	PI/2 BPSK	100	0	23.04	22.96	22.92			
20	QPSK	1	1	23.17	23.22	23.18			
20	QPSK	1	53	23.07	23.01	23.10	24.0	0.0	
20	QPSK	1	104	23.10	22.82	22.81			
20	QPSK	50	0	23.04	23.05	23.10	24.0	0.0	
20	QPSK	50	28	22.81	23.12	22.81	24.0	0.0	
20	QPSK	50	56	22.78	23.07	23.00	24.0	0.0	
20	QPSK	100	0	23.14	23.15	22.97			
20	16QAM	1	1	23.17	23.21	22.99	24.0	0.0	
20	64QAM	1	1	22.02	21.82	21.71	22.5	1.5	
20	256QAM	1	1	19.68	20.08	19.68	20.5	3.5	
Channel				134100	135100	136100	Tune-up	MPR	
Frequency (MHz)				670.5	680.5	690.5	limit	(dB)	
15	QPSK	1	1	23.00	23.08	23.03	24.0	0.0	
Channel				133500	135100	136600	Tune-up	MPR	
Frequency (MHz)				665	680.5	693	limit	(dB)	
10	QPSK	1	1	22.99	22.94	23.09	24.0	0.0	
Channel				133100	136100	139100	Tune-up	MPR	
Frequency (MHz)				665.5	680.5	695.5	limit	(dB)	
5	QPSK	1	1	22.92	23.04	23.06	24.0	0.0	

FR1 n30 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				462000			24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	23.01				
10	PI/2 BPSK	1	26	22.79				
10	PI/2 BPSK	1	50	22.84			24.0	0.0
10	PI/2 BPSK	25	0	22.87				
10	PI/2 BPSK	25	14	22.86			24.0	0.0
10	PI/2 BPSK	25	27	22.70			24.0	0.0
10	PI/2 BPSK	50	0	22.77				
10	QPSK	1	1	23.08			24.0	0.0
10	QPSK	1	26	22.94				
10	QPSK	1	50	23.05				
10	QPSK	25	0	22.87				
10	QPSK	25	14	22.85			24.0	0.0
10	QPSK	25	27	22.87			24.0	0.0
10	QPSK	50	0	22.92				
10	16QAM	1	1	23.05			24.0	0.0
10	64QAM	1	1	21.79			22.5	1.5
10	256QAM	1	1	19.55			20.5	3.5
Channel				461500	462000	462500	Tune-up limit	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.88	23.00	23.07	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	20.62	20.67	20.73		
20	PI/2 BPSK	1	53	20.70	20.72	20.55	21.5	0.0
20	PI/2 BPSK	1	104	20.61	20.66	20.63		
20	PI/2 BPSK	50	0	20.61	20.69	20.71	21.5	0.0
20	PI/2 BPSK	50	28	20.58	20.55	20.50	21.5	0.0
20	PI/2 BPSK	50	56	20.64	20.65	20.62		
20	PI/2 BPSK	100	0	20.72	20.72	20.64	21.5	0.0
20	QPSK	1	1	20.78	20.88	20.75		
20	QPSK	1	53	20.78	20.74	20.77	21.5	0.0
20	QPSK	1	104	20.68	20.75	20.69		
20	QPSK	50	0	20.64	20.64	20.63	21.5	0.0
20	QPSK	50	28	20.69	20.73	20.70	21.5	0.0
20	QPSK	50	56	20.72	20.68	20.64		
20	QPSK	100	0	20.64	20.70	20.68	21.5	0.0
20	16QAM	1	1	20.63	20.74	20.68	21.5	0.0
20	64QAM	1	1	20.73	20.73	20.66	21.5	0.0
20	256QAM	1	1	19.64	19.60	19.58	20.5	1.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.63	20.62	20.76	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.66	20.70	20.55	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.49	20.71	20.55	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.71	20.75	20.78		
40	PI/2 BPSK	1	108	20.78	20.72	20.64	21.5	0.0
40	PI/2 BPSK	1	214	20.63	20.77	20.69		
40	PI/2 BPSK	108	0	20.69	20.70	20.71	21.5	0.0
40	PI/2 BPSK	108	54	20.57	20.51	20.62	21.5	0.0
40	PI/2 BPSK	108	108	20.65	20.70	20.64		
40	PI/2 BPSK	216	0	20.81	20.75	20.64	21.5	0.0
40	QPSK	1	1	20.75	20.96	20.80		
40	QPSK	1	108	20.80	20.80	20.75	21.5	0.0
40	QPSK	1	214	20.72	20.78	20.71		
40	QPSK	108	0	20.73	20.73	20.77	21.5	0.0
40	QPSK	108	54	20.75	20.84	20.72	21.5	0.0
40	QPSK	108	108	20.69	20.79	20.70		
40	QPSK	216	0	20.68	20.73	20.72	21.5	0.0
40	16QAM	1	1	20.69	20.72	20.73	21.5	0.0
40	64QAM	1	1	20.71	20.81	20.77	21.5	0.0
40	256QAM	1	1	19.95	20.08	19.98	20.5	1.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	20.61	20.55	20.64	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.52	20.57	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.68	20.64	20.55	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.70	20.71	20.61	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.74	20.83	20.76	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.75	20.76	20.77	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.66	20.70	20.73	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.08	20.11	20.04		
40	PI/2 BPSK	1	108	20.18	19.91	19.88	21.0	0.0
40	PI/2 BPSK	1	214	19.80	20.13	19.85		
40	PI/2 BPSK	108	0	19.83	20.19	19.83	21.0	0.0
40	PI/2 BPSK	108	54	20.00	19.98	19.87	21.0	0.0
40	PI/2 BPSK	108	108	19.78	20.11	19.77		
40	PI/2 BPSK	216	0	20.13	20.03	20.01	21.0	0.0
40	QPSK	1	1	20.25	20.29	20.18		
40	QPSK	1	108	20.13	20.11	20.14	21.0	0.0
40	QPSK	1	214	19.93	20.09	19.87		
40	QPSK	108	0	19.88	20.20	19.84	21.0	0.0
40	QPSK	108	54	19.95	20.22	19.94	21.0	0.0
40	QPSK	108	108	19.93	20.09	19.90		
40	QPSK	216	0	19.97	20.21	20.15	21.0	0.0
40	16QAM	1	1	20.05	20.25	19.99	21.0	0.0
40	64QAM	1	1	20.07	20.23	19.99	21.0	0.0
40	256QAM	1	1	20.13	20.12	20.03	20.5	0.5
Channel								
Frequency (MHz)								
35	QPSK	1	1	20.03	20.05	19.94	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.11	19.92	19.87	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.72	20.04	19.71	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.82	20.10	19.78	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.91	19.92	19.90	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.65	20.01	19.61	21.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.06	20.09	20.00	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2500	2595	2600		
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.91	22.94	22.85		
40	PI/2 BPSK	1	53	22.70	22.83	22.75	24.0	0.0
40	PI/2 BPSK	1	104	22.70	22.84	22.82		
40	PI/2 BPSK	50	0	22.21	22.42	22.21	23.5	0.5
40	PI/2 BPSK	50	28	22.68	22.89	22.51	24.0	0.0
40	PI/2 BPSK	50	56	22.23	22.32	22.36		
40	PI/2 BPSK	100	0	22.39	22.41	22.31	23.5	0.5
40	QPSK	1	1	22.86	22.95	22.91		
40	QPSK	1	53	22.83	22.88	22.74	24.0	0.0
40	QPSK	1	104	22.86	22.78	22.89		
40	QPSK	50	0	21.67	21.87	21.66	23.0	1.0
40	QPSK	50	28	22.71	22.85	22.79	24.0	0.0
40	QPSK	50	56	21.58	21.90	21.66		
40	QPSK	100	0	21.75	21.62	21.60	23.0	1.0
40	16QAM	1	1	22.19	22.02	22.06	23.0	1.0
40	64QAM	1	1	20.81	20.77	20.62	21.5	2.5
40	256QAM	1	1	18.45	18.54	18.44	19.5	4.5
Channel				511000	519000	520000	Tune-up	MPR
Frequency (MHz)				2585	2595	2605	limit	(dB)
30	QPSK	1	1	22.83	22.83	22.76	24.0	0.0
Channel				516000	519000	520000	Tune-up	MPR
Frequency (MHz)				2580	2595	2610	limit	(dB)
20	QPSK	1	1	22.64	22.93	22.70	24.0	0.0
Channel				515500	519000	525500	Tune-up	MPR
Frequency (MHz)				2571.5	2605	2612.5	limit	(dB)
15	QPSK	1	1	22.75	22.86	22.73	24.0	0.0
Channel				515000	519000	523000	Tune-up	MPR
Frequency (MHz)				2515	2595	2615	limit	(dB)
10	QPSK	1	1	22.82	22.80	22.83	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2544.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	22.26	22.40	22.35		
100	PI/2 BPSK	1	137	22.46	22.38	22.42	24.0	0.0
100	PI/2 BPSK	1	271	22.44	22.45	22.37		
100	PI/2 BPSK	135	0	22.32	22.46	22.30	24.0	0.0
100	PI/2 BPSK	135	69	22.17	22.01	22.16	24.0	0.0
100	PI/2 BPSK	135	138	22.14	22.25	22.06		
100	PI/2 BPSK	270	0	22.20	22.51	22.15	24.0	0.0
100	QPSK	1	1	22.20	22.53	22.38		
100	QPSK	1	137	22.05	22.25	22.41	24.0	0.0
100	QPSK	1	271	22.28	22.39	22.26		
100	QPSK	135	0	22.25	22.21	22.15	24.0	0.0
100	QPSK	135	69	22.19	22.23	22.17	24.0	0.0
100	QPSK	135	138	22.23	22.27	22.22	24.0	0.0
100	QPSK	270	0	22.25	22.44	22.22		
100	16QAM	1	1	22.36	22.35	22.18	24.0	0.0
100	64QAM	1	1	22.22	22.42	22.32	24.0	0.0
100	256QAM	1	1	20.81	20.92	20.74	22.5	1.5
Channel				2544.01	2592.99	2644.98	limit	(dB)
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	22.18	22.38	22.21	24.0	0.0
Channel				507004	518598	527705	Tune-up	MPR
Frequency (MHz)				2636.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	22.11	22.39	22.34	24.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	22.01	22.46	22.26	24.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2659.96	limit	(dB)
60	QPSK	1	1	22.19	22.39	22.30	24.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	22.08	22.38	22.17	24.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	22.02	22.47	22.27	24.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	22.05	22.47	22.30	24.0	0.0
Channel				5008.02	2592.99	2679.99	limit	(dB)
Frequency (MHz)				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	22.09	22.36	22.15	24.0	0.0
Channel				500700	518598	535495	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	22.05	22.44	22.36	24.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	22.21	22.47	22.16	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2546.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	23.09	23.28	23.22		
100	PI/2 BPSK	1	137	23.12	23.27	23.25	25.0	0.0
100	PI/2 BPSK	1	271	23.07	23.31	23.25		
100	PI/2 BPSK	135	0	23.22	23.27	23.14	25.0	0.0
100	PI/2 BPSK	135	69	23.08	23.31	23.21	25.0	0.0
100	PI/2 BPSK	135	138	23.20	23.36	23.32		
100	PI/2 BPSK	270	0	23.12	23.11	23.20	25.0	0.0
100	QPSK	1	1	23.38	23.60	23.29		
100	QPSK	1	137	23.16	23.31	23.29	25.0	0.0
100	QPSK	1	271	23.11	23.30	23.27		
100	QPSK	135	0	23.08	23.07	23.08	25.0	0.0
100	QPSK	135	69	23.37	23.50	23.32	25.0	0.0
100	QPSK	135	138	23.05	23.13	23.15		
100	QPSK	270	0	23.38	23.41	23.34	25.0	0.0
100	16QAM	1	1	23.01	23.00	23.05	25.0	0.0
100	64QAM	1	1	22.95	23.14	23.03	24.5	0.5
100	256QAM	1	1	20.99	21.06	21.06	22.5	2.5
Channel				530200	518598	526005	Tune-up	MPR
Frequency (MHz)				2341	2592.99	2644.98	limit	(dB)
90	QPSK	1	1	23.05	23.27	23.25	25.0	0.0
Channel				507204	518598	529998	Tune-up	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)
80	QPSK	1	1	23.08	23.26	23.15	25.0	0.0
Channel				506202	518598	531000	Tune-up	MPR
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)
70	QPSK	1	1	23.09	23.19	23.14	25.0	0.0
Channel				505200	518598	531996	Tune-up	MPR
Frequency (MHz)				2526	2592.99	2659.96	limit	(dB)
60	QPSK	1	1	23.07	23.22	23.24	25.0	0.0
Channel				504204	518598	532998	Tune-up	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)
50	QPSK	1	1	23.11	23.23	23.19	25.0	0.0
Channel				503202	518598	534000	Tune-up	MPR
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)
40	QPSK	1	1	23.06	23.28	23.19	25.0	0.0
Channel				502200	518598	534996	Tune-up	MPR
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)
30	QPSK	1	1	23.10	23.28	23.23	25.0	0.0
Channel				5008.02	2592.99	2679.99	limit	(dB)
Frequency (MHz)				2508.02	2592.99	2679.99	limit	(dB)
20	QPSK	1	1	23.08	23.29	23.19	25.0	0.0
Channel				500700	518598	535495	Tune-up	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)
15	QPSK	1	1	23.06	23.25	23.14	25.0	0.0
Channel				500202	518598	537000	Tune-up	MPR
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)
10	QPSK	1	1	23.13	23.29	23.18	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2500	2505	2600			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.65	21.80	21.75			
40	PI/2 BPSK	1	53	21.94	21.94	21.89	23.0	0.0	
40	PI/2 BPSK	1	104	22.03	22.09	21.90			
40	PI/2 BPSK	50	0	21.21	21.36	21.34	22.5	0.5	
40	PI/2 BPSK	50	28	21.62	21.79	21.81	23.0	0.0	
40	PI/2 BPSK	50	56	21.49	21.58	21.54	22.5	0.5	
40	PI/2 BPSK	100	0	21.37	21.51	21.32			
40	QPSK	1	1	22.11	22.16	22.12			
40	QPSK	1	53	21.94	22.10	21.98	23.0	0.0	
40	QPSK	1	104	21.66	21.89	21.84			
40	QPSK	50	0	20.94	20.93	20.81	22.0	1.0	
40	QPSK	50	28	21.73	21.80	21.74	23.0	0.0	
40	QPSK	50	56	21.02	21.14	21.01	22.0	1.0	
40	QPSK	100	0	20.77	20.89	20.79			
40	16QAM	1	1	20.82	20.87	20.70	22.0	1.0	
40	64QAM	1	1	19.22	19.23	19.12	20.5	2.5	
40	256QAM	1	1	17.33	17.37	17.32	18.5	4.5	
Channel				511000	511000	521000	Tune-up	MPR	
Frequency (MHz)				2585	2595	2605	limit	(dB)	
30	QPSK	1	1	22.01	22.09	21.91	23.0	0.0	
Channel				511000	511000	522000	Tune-up	MPR	
Frequency (MHz)				2590	2595	2610	limit	(dB)	
20	QPSK	1	1	22.11	22.12	22.02	23.0	0.0	
Channel				515500	519000	525500	Tune-up	MPR	
Frequency (MHz)				2571.5	2595	2612.5	limit	(dB)	
15	QPSK	1	1	22.08	22.13	22.13	23.0	0.0	
Channel				515500	519000	523000	Tune-up	MPR	
Frequency (MHz)				2575	2595	2615	limit	(dB)	
10	QPSK	1	1	22.06	22.10	22.10	23.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2544.01	2592.99	2640			
Frequency (MHz)									
100	PI/2 BPSK	1	1	21.37	21.48	21.49			
100	PI/2 BPSK	1	137	21.34	21.38	21.29	23.0	0.0	
100	PI/2 BPSK	1	271	21.33	21.45	21.26			
100	PI/2 BPSK	135	0	21.28	21.37	21.16	23.0	0.0	
100	PI/2 BPSK	135	69	21.17	21.33	21.15	23.0	0.0	
100	PI/2 BPSK	135	138	21.19	21.34	21.31	23.0	0.0	
100	PI/2 BPSK	270	0	21.26	21.33	21.15			
100	QPSK	1	1	21.45	21.56	21.52			
100	QPSK	1	137	21.34	21.42	21.34	23.0	0.0	
100	QPSK	1	271	21.24	21.44	21.44			
100	QPSK	135	0	21.15	21.31	21.24	23.0	0.0	
100	QPSK	135	69	21.42	21.45	21.45	23.0	0.0	
100	QPSK	135	138	21.38	21.37	21.16	23.0	0.0	
100	QPSK	270	0	21.13	21.29	21.08			
100	16QAM	1	1	21.21	21.38	21.24	23.0	0.0	
100	64QAM	1	1	21.44	21.51	21.50	23.0	0.0	
100	256QAM	1	1	19.96	19.94	19.90	21.5	1.5	
Channel				508200	518598	529996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	21.34	21.39	21.31	23.0	0.0	
Channel				507204	518598	529996	Tune-up	MPR	
Frequency (MHz)				2636.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	21.23	21.47	21.44	23.0	0.0	
Channel				506202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	21.31	21.50	21.39	23.0	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2526	2592.99	2659.96	limit	(dB)	
60	QPSK	1	1	21.28	21.35	21.34	23.0	0.0	
Channel				504204	518598	532998	Tune-up	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	21.12	21.43	21.33	23.0	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	21.24	21.48	21.43	23.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	21.38	21.44	21.32	23.0	0.0	
Channel				508.02	2592.99	2679.99	limit	(dB)	
Frequency (MHz)				2508.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	21.35	21.48	21.31	23.0	0.0	
Channel				500700	518598	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2692.48	limit	(dB)	
15	QPSK	1	1	21.24	21.43	21.37	23.0	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	21.28	21.38	21.35	23.0	0.0	

FR1 n41_HPUE 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				2546.01	2592.99	2640			
Frequency (MHz)									
100	PI/2 BPSK	1	1	24.45	24.59	24.21			
100	PI/2 BPSK	1	137	24.37	24.61	24.34	26.0	0.0	
100	PI/2 BPSK	1	271	24.48	24.63	24.14			
100	PI/2 BPSK	135	0	24.12	24.31	23.84	25.5	0.5	
100	PI/2 BPSK	135	69	24.50	24.58	24.27	26.0	0.0	
100	PI/2 BPSK	135	138	24.00	24.23	23.78	25.5	0.5	
100	PI/2 BPSK	270	0	23.95	24.21	23.73			
100	QPSK	1	1	24.53	24.71	24.33			
100	QPSK	1	137	24.32	24.59	24.35	26.0	0.0	
100	QPSK	1	271	24.32	24.53	24.20			
100	QPSK	135	0	23.48	23.63	23.32	25.0	1.0	
100	QPSK	135	69	24.43	24.61	24.34	26.0	0.0	
100	QPSK	135	138	23.58	23.72	23.31	25.0	1.0	
100	QPSK	270	0	23.54	23.71	23.36			
100	16QAM	1	1	23.61	23.66	23.40	25.0	1.0	
100	64QAM	1	1	22.04	22.24	21.72	23.5	2.5	
100	256QAM	1	1	19.96	20.22	19.94	21.5	4.5	
Channel				503200	518598	529996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	24.51	24.62	24.29	26.0	0.0	
Channel				507204	518598	529996	Tune-up	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	24.44	24.66	24.25	26.0	0.0	
Channel				506202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2631.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	24.38	24.61	24.28	26.0	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2526	2592.99	2659.96	limit	(dB)	
60	QPSK	1	1	24.38	24.59	24.12	26.0	0.0	
Channel				504204	518598	532998	Tune-up	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	24.45	24.40	24.33	26.0	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	24.43	24.61	24.15	26.0	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	24.49	24.59	24.18	26.0	0.0	
Channel				501200	518598	535996	Tune-up	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit	(dB)	
20	QPSK	1	1	24.08	24.66	24.14	26.0	0.0	
Channel				500200	518598	536996	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	24.33	24.70	24.22	26.0	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2503.51	2592.99	2685	limit	(dB)	
10	QPSK	1	1	24.37	24.58	24.18	26.0	0.0	

FR1 n38 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				518000	518000	520000			
Frequency (MHz)				2590	2595	2600			
40	PIQ2 BPSK	1	1	22.85	22.97	22.83			
40	PIQ2 BPSK	1	53	22.79	23.00	22.91	24.0	0.0	
40	PIQ2 BPSK	1	104	22.97	23.06	22.91			
40	PIQ2 BPSK	50	0	22.30	22.44	22.42	23.5	0.5	
40	PIQ2 BPSK	50	23	22.91	22.98	22.92	24.0	0.0	
40	PIQ2 BPSK	50	56	22.46	22.50	22.48	23.5	0.5	
40	PIQ2 BPSK	100	0	22.34	22.41	22.29			
40	QPSK	1	1	23.06	23.03	23.01			
40	QPSK	1	53	23.06	23.06	23.06	24.0	0.0	
40	QPSK	1	104	22.89	22.99	22.98			
40	QPSK	50	0	21.82	21.98	21.79	23.0	1.0	
40	QPSK	50	23	22.78	23.00	22.93	24.0	0.0	
40	QPSK	50	56	21.88	21.97	21.84	23.0	1.0	
40	QPSK	100	0	21.87	21.94	21.87			
40	16QAM	1	1	22.04	22.18	22.17	23.0	1.0	
40	16QAM	1	1	20.63	20.72	20.73	21.5	2.5	
40	256QAM	1	1	18.62	18.62	18.54	19.5	4.5	
Channel				517000	518000	521000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	22.99	22.95	22.91	24.0	0.0	
Channel				516000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.96	22.88	22.88	24.0	0.0	
Channel				515500	518000	520500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	22.85	22.95	22.91	24.0	0.0	
Channel				515000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	23.04	22.99	22.80	24.0	0.0	

FR1 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				509000	518596	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PIQ2 BPSK	1	1	22.61	22.50	22.56			
100	PIQ2 BPSK	1	137	22.54	22.83	22.52	24.0	0.0	
100	PIQ2 BPSK	1	271	22.49	22.80	22.72			
100	PIQ2 BPSK	135	0	22.49	22.41	22.40	24.0	0.0	
100	PIQ2 BPSK	135	89	22.44	22.55	22.45	24.0	0.0	
100	PIQ2 BPSK	135	138	22.51	22.80	22.58	24.0	0.0	
100	PIQ2 BPSK	270	0	22.60	22.55	22.49			
100	QPSK	1	1	22.75	22.86	22.83			
100	QPSK	1	137	22.82	22.80	22.78	24.0	0.0	
100	QPSK	1	271	22.74	22.68	22.78			
100	QPSK	135	0	22.48	22.48	22.37	24.0	0.0	
100	QPSK	135	89	22.72	22.85	22.81	24.0	0.0	
100	QPSK	135	138	22.50	22.56	22.67	24.0	0.0	
100	QPSK	270	0	22.63	22.81	22.55			
100	16QAM	1	1	22.78	22.86	22.82	24.0	0.0	
100	16QAM	1	1	22.70	22.70	22.75	24.0	0.0	
100	256QAM	1	1	21.17	21.35	21.28	22.5	1.5	
Channel				508000	518596	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.59	22.77	22.67	24.0	0.0	
Channel				507000	518596	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2534.01	2592.99	2648.99			
80	QPSK	1	1	22.70	22.67	22.65	24.0	0.0	
Channel				506000	518596	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2650			
70	QPSK	1	1	22.66	22.70	22.74	24.0	0.0	
Channel				505000	518596	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2529	2592.99	2659.98			
60	QPSK	1	1	22.60	22.82	22.70	24.0	0.0	
Channel				504000	518596	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	22.67	22.70	22.66	24.0	0.0	
Channel				503000	518596	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2519.01	2592.99	2670			
40	QPSK	1	1	22.69	22.81	22.65	24.0	0.0	
Channel				502000	518596	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.65	22.72	22.64	24.0	0.0	
Channel				501000	518596	535996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2508.02	2592.99	2679.98			
20	QPSK	1	1	22.69	22.79	22.68	24.0	0.0	
Channel				500000	518596	536996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.05	2592.99	2682.48			
15	QPSK	1	1	22.57	22.70	22.68	24.0	0.0	
Channel				500000	518596	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.64	22.77	22.73	24.0	0.0	

FR1 n41_HPUE 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)
Channel				505202	518586	530300	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	23.81	23.99	23.82	
100	PI2 BPSK	1	137	23.97	23.93	24.05	25.0
100	PI2 BPSK	1	271	23.84	23.98	23.94	
100	PI2 BPSK	135	0	23.97	23.81	23.81	25.0
100	PI2 BPSK	135	69	24.06	23.83	24.02	25.0
100	PI2 BPSK	135	138	23.81	23.94	23.99	25.0
100	PI2 BPSK	270	0	23.84	24.01	23.81	
100	QPSK	1	1	24.00	24.07	24.03	
100	QPSK	1	137	23.99	23.94	23.93	25.0
100	QPSK	1	271	23.84	24.04	23.93	
100	QPSK	135	0	23.91	23.83	23.98	24.0
100	QPSK	135	69	23.84	24.05	24.01	25.0
100	QPSK	135	138	23.84	24.04	23.82	24.0
100	QPSK	270	0	23.89	23.95	23.91	
100	16QAM	1	1	23.84	23.97	23.84	25.0
100	16QAM	1	1	22.07	23.19	23.14	24.0
100	256QAM	1	1	21.06	21.15	20.93	22.0
Channel				508200	518586	529986	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.95	23.88	23.98	25.0
Channel				507204	518586	529988	
Frequency (MHz)				2536.102	2592.99	2648.99	
80	QPSK	1	1	23.90	23.97	23.86	25.0
Channel				506202	518586	531000	
Frequency (MHz)				2531.01	2592.99	2665	
70	QPSK	1	1	23.81	24.01	23.88	25.0
Channel				505200	518586	531996	
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	23.95	23.98	23.91	25.0
Channel				504204	518586	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
60	QPSK	1	1	23.81	23.91	23.90	25.0
Channel				503202	518586	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.80	23.93	23.84	25.0
Channel				502200	518586	534996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.84	23.98	23.91	25.0
Channel				501204	518586	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.90	24.00	23.97	25.0
Channel				500200	518586	536996	
Frequency (MHz)				2501.5	2592.99	2682.48	
15	QPSK	1	1	23.84	23.88	23.85	25.0
Channel				500202	518586	537000	
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	23.84	23.99	23.94	25.0

FR1 n48 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)
Channel				636000	641666	646332	
Frequency (MHz)				3070	3624.99	3678.98	
40	PI2 BPSK	1	1	18.74	18.75	18.75	
40	PI2 BPSK	1	53	18.74	18.74	18.77	20.0
40	PI2 BPSK	1	104	18.75	18.76	18.75	
40	PI2 BPSK	50	0	18.79	18.77	18.82	20.0
40	PI2 BPSK	50	28	18.79	18.84	18.71	20.0
40	PI2 BPSK	50	56	18.73	18.70	18.71	20.0
40	PI2 BPSK	100	0	18.74	18.77	18.79	
40	QPSK	1	1	18.71	18.87	18.85	
40	QPSK	1	53	18.72	18.84	18.70	20.0
40	QPSK	1	104	18.76	18.77	18.78	
40	QPSK	50	0	18.79	18.81	18.81	
40	QPSK	50	28	18.77	18.83	18.75	20.0
40	QPSK	50	56	18.76	18.80	18.82	
40	QPSK	100	0	18.70	18.80	18.78	20.0
40	16QAM	1	1	18.78	18.83	18.82	20.0
40	16QAM	1	1	18.82	18.71	18.74	20.0
40	256QAM	1	1	18.83	18.70	18.70	20.0
Channel				637668	641666	645666	
Frequency (MHz)				3065.02	3624.99	3664.99	
30	QPSK	1	1	18.59	18.75	18.75	20.0
Channel				637334	641666	646000	
Frequency (MHz)				3060.101	3624.99	3660	
20	QPSK	1	1	18.52	18.75	18.79	20.0
Channel				637168	641666	646166	
Frequency (MHz)				3057.52	3624.99	3662.49	
15	QPSK	1	1	18.58	18.76	18.80	20.0
Channel				637000	641666	646332	
Frequency (MHz)				3055	3624.99	3664.98	
10	QPSK	1	1	18.56	18.70	18.78	20.0

FR1 n77 Part 27O Ant 2 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3760	3840	3920	
100	PI2 BPSK	1	1	17.38	17.24	17.42	
100	PI2 BPSK	1	137	17.14	17.05	17.29	18.0
100	PI2 BPSK	1	271	17.24	17.35	17.45	
100	PI2 BPSK	135	0	17.45	17.20	17.44	18.0
100	PI2 BPSK	135	69	17.17	17.04	17.30	18.0
100	PI2 BPSK	135	138	17.24	17.32	17.38	18.0
100	PI2 BPSK	270	0	17.47	17.28	17.42	
100	QPSK	1	1	17.15	17.07	17.35	
100	QPSK	1	137	17.28	17.39	17.38	18.0
100	QPSK	1	271	17.46	17.28	17.49	
100	QPSK	135	0	17.08	17.12	17.25	18.0
100	QPSK	135	69	17.18	17.55	17.48	18.0
100	QPSK	135	138	17.48	17.22	17.51	18.0
100	QPSK	270	0	17.14	17.48	17.32	
100	16QAM	1	1	17.47	17.28	17.45	18.0
100	64QAM	1	1	17.08	17.07	17.31	18.0
100	256QAM	1	1	17.18	17.11	17.32	18.0
Channel				649688	650000	652332	Tune-up
Frequency (MHz)				3745.02	3840	3934.98	MPR (dB)
90	QPSK	1	1	17.40	17.17	17.41	18.0
Channel				649334	650000	652686	Tune-up
Frequency (MHz)				3740.01	3840	3939.99	MPR (dB)
80	QPSK	1	1	17.12	17.05	17.30	18.0
Channel				649000	650000	653000	Tune-up
Frequency (MHz)				3736	3840	3945	MPR (dB)
70	QPSK	1	1	17.19	17.37	17.37	18.0
Channel				648688	650000	653332	Tune-up
Frequency (MHz)				3730.02	3840	3949.98	MPR (dB)
60	QPSK	1	1	17.32	17.23	17.44	18.0
Channel				648334	650000	653686	Tune-up
Frequency (MHz)				3725.01	3840	3954.99	MPR (dB)
50	QPSK	1	1	17.13	17.01	17.19	18.0
Channel				648000	650000	654000	Tune-up
Frequency (MHz)				3720	3840	3950	MPR (dB)
40	QPSK	1	1	17.22	17.33	17.37	18.0
Channel				647688	650000	654332	Tune-up
Frequency (MHz)				3715.02	3840.00	3954.98	MPR (dB)
30	QPSK	1	1	17.35	17.12	17.49	18.0
Channel				647334	650000	654686	Tune-up
Frequency (MHz)				3710.01	3840	3959.99	MPR (dB)
20	QPSK	1	1	17.10	16.97	17.24	18.0
Channel				647000	650000	655000	Tune-up
Frequency (MHz)				3707.52	3840	3972.48	MPR (dB)
15	QPSK	1	1	17.33	17.21	17.45	18.0
Channel				646600	650000	655900	Tune-up
Frequency (MHz)				3705	3840	3975	MPR (dB)
10	QPSK	1	1	17.38	17.21	17.40	18.0

FR1 n77 Part 27Q Ant 2 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633000	633332	633668	
Frequency (MHz)				3495	3499.98	3504.99	
100	PI2 BPSK	1	1	17.18			
100	PI2 BPSK	1	137	17.07			18.0
100	PI2 BPSK	1	271	17.41			
100	PI2 BPSK	135	0	17.21			18.0
100	PI2 BPSK	135	69	17.08			18.0
100	PI2 BPSK	135	138	17.32			18.0
100	PI2 BPSK	270	0	17.21			
100	QPSK	1	1	17.51			
100	QPSK	1	137	17.39			18.0
100	QPSK	1	271	17.22			
100	QPSK	135	0	17.03			18.0
100	QPSK	135	69	17.43			18.0
100	QPSK	135	138	17.16			18.0
100	QPSK	270	0	17.33			
100	16QAM	1	1	17.18			18.0
100	64QAM	1	1	17.14			18.0
100	256QAM	1	1	17.08			18.0
Channel				633000	633332	633668	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	MPR (dB)
90	QPSK	1	1	17.39	17.22	17.15	18.0
Channel				632688	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3500	MPR (dB)
80	QPSK	1	1	17.22	17.14	17.06	18.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	MPR (dB)
70	QPSK	1	1	17.40	17.06	17.05	18.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	MPR (dB)
60	QPSK	1	1	17.34	17.19	17.14	18.0
Channel				631688	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3505	MPR (dB)
50	QPSK	1	1	17.22	17.22	17.12	18.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3509.98	MPR (dB)
40	QPSK	1	1	17.35	17.07	17.00	18.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3514.99	MPR (dB)
30	QPSK	1	1	17.37	17.26	17.24	18.0
Channel				630688	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	MPR (dB)
20	QPSK	1	1	17.42	17.06	17.03	18.0
Channel				630300	633332	636366	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	MPR (dB)
15	QPSK	1	1	17.27	17.21	17.07	18.0
Channel				630000	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	MPR (dB)
10	QPSK	1	1	17.45	17.00	17.08	18.0

FR1 n78_Part 27O Ant 2 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	17.46			
100	PI2 BPSK	1	137	17.39			
100	PI2 BPSK	1	271	17.39			
100	PI2 BPSK	135	0	17.46			18.0
100	PI2 BPSK	135	69	17.39			18.0
100	PI2 BPSK	135	138	17.42			18.0
100	PI2 BPSK	270	0	17.46			18.0
100	QPSK	1	1	17.52			18.0
100	QPSK	1	137	17.32			18.0
100	QPSK	1	271	17.49			18.0
100	QPSK	135	0	17.45			18.0
100	QPSK	135	69	17.49			18.0
100	QPSK	135	138	17.41			18.0
100	QPSK	270	0	17.52			18.0
100	16QAM	1	1	17.41			18.0
100	64QAM	1	1	17.49			18.0
100	256QAM	1	1	17.33			18.0
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	17.37	17.24	17.11	18.0
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3740.01	3750	3760.99	limit (dB)
80	QPSK	1	1	17.36	17.25	17.11	18.0
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3736	3750	3764	limit (dB)
70	QPSK	1	1	17.25	17.31	17.14	18.0
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3730.02	3750	3769.98	limit (dB)
60	QPSK	1	1	17.30	17.28	17.04	18.0
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3725.01	3750	3774.99	limit (dB)
50	QPSK	1	1	17.35	17.31	17.07	18.0
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3720	3750	3780	limit (dB)
40	QPSK	1	1	17.30	17.35	17.08	18.0
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3715.02	3750.00	3784.98	limit (dB)
30	QPSK	1	1	17.35	17.25	17.05	18.0
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3710.01	3750	3789.99	limit (dB)
20	QPSK	1	1	17.36	17.28	17.10	18.0
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3707.52	3750	3792.48	limit (dB)
15	QPSK	1	1	17.33	17.36	17.07	18.0
Channel				646668	650000	653332	Tune-up
Frequency (MHz)				3705	3750	3795	limit (dB)
10	QPSK	1	1	17.38	17.21	17.10	18.0

FR1 n78_Part 27Q Ant 2 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633000			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	17.30			
100	PI2 BPSK	1	137	17.38			
100	PI2 BPSK	1	271	17.34			
100	PI2 BPSK	135	0	17.38			18.0
100	PI2 BPSK	135	69	17.34			18.0
100	PI2 BPSK	135	138	17.25			18.0
100	PI2 BPSK	270	0	17.45			18.0
100	QPSK	1	1	17.45			18.0
100	QPSK	1	137	17.27			18.0
100	QPSK	1	271	17.37			18.0
100	QPSK	135	0	17.32			18.0
100	QPSK	135	69	17.38			18.0
100	QPSK	135	138	17.34			18.0
100	QPSK	270	0	17.37			18.0
100	16QAM	1	1	17.32			18.0
100	64QAM	1	1	17.36			18.0
100	256QAM	1	1	17.31			18.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	17.34	17.18	16.97	18.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	17.28	17.29	16.97	18.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3484.91	3499.98	3514.98	limit (dB)
70	QPSK	1	1	17.28	17.18	16.96	18.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	17.25	17.26	17.00	18.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	17.30	17.28	16.98	18.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	17.28	17.16	17.06	18.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	17.30	17.18	17.06	18.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	17.27	17.33	16.99	18.0
Channel				630300	633332	636366	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	17.30	17.15	16.99	18.0
Channel				630000	633332	636666	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	17.35	17.19	17.04	18.0

FR1 n38 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	PIQ2 BPSK	1	1	21.55	21.82	21.58			
40	PIQ2 BPSK	1	53	21.47	21.72	21.51	23.0	0.0	
40	PIQ2 BPSK	1	104	21.40	21.68	21.49			
40	PIQ2 BPSK	50	0	21.02	21.29	21.04	22.5	0.5	
40	PIQ2 BPSK	50	23	21.45	21.73	21.48	23.0	0.0	
40	PIQ2 BPSK	50	56	20.85	21.12	20.86	22.5	0.5	
40	PIQ2 BPSK	100	0	21.04	21.28	21.01			
40	QPSK	1	1	21.88	21.83	21.82			
40	QPSK	1	53	21.49	21.78	21.53	23.0	0.0	
40	QPSK	1	104	21.63	21.85	21.60			
40	QPSK	50	0	20.54	20.80	20.52	22.0	1.0	
40	QPSK	50	23	21.43	21.71	21.42	23.0	0.0	
40	QPSK	50	56	20.43	20.63	20.42	22.0	1.0	
40	QPSK	100	0	20.41	20.88	20.44			
40	16QAM	1	1	20.73	20.86	20.74	22.0	1.0	
40	16QAM	1	1	19.28	19.50	19.26	20.5	2.5	
40	256QAM	1	1	17.11	17.30	17.15	18.5	4.5	
Channel				517000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585	2590	2595			
30	QPSK	1	1	21.76	21.80	21.75	23.0	0.0	
Channel				516000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.79	21.81	21.74	23.0	0.0	
Channel				515500	518000	522500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	21.72	21.78	21.74	23.0	0.0	
Channel				515000	518000	523000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	21.75	21.86	21.71	23.0	0.0	

FR1 n41 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	518596	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PIQ2 BPSK	1	1	21.37	21.81	21.38			
100	PIQ2 BPSK	1	137	21.44	21.89	21.43	23.0	0.0	
100	PIQ2 BPSK	1	271	21.37	21.58	21.31			
100	PIQ2 BPSK	135	0	21.32	21.53	21.28	23.0	0.0	
100	PIQ2 BPSK	135	89	21.29	21.57	21.38	23.0	0.0	
100	PIQ2 BPSK	135	138	21.38	21.55	21.27	23.0	0.0	
100	PIQ2 BPSK	270	0	21.38	21.60	21.33			
100	QPSK	1	1	21.58	21.75	21.62			
100	QPSK	1	137	21.52	21.72	21.52	23.0	0.0	
100	QPSK	1	271	21.57	21.74	21.46			
100	QPSK	135	0	21.28	21.54	21.29	23.0	0.0	
100	QPSK	135	89	21.54	21.59	21.58	23.0	0.0	
100	QPSK	135	138	21.28	21.54	21.24	23.0	0.0	
100	QPSK	270	0	21.37	21.52	21.33			
100	16QAM	1	1	21.39	21.87	21.39	23.0	0.0	
100	16QAM	1	1	21.54	21.74	21.51	23.0	0.0	
100	256QAM	1	1	19.84	20.17	19.90	21.5	1.5	
Channel				508000	518596	520996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.52	21.85	21.54	23.0	0.0	
Channel				507204	518596	520996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2534.01	2592.99	2648.99			
80	QPSK	1	1	21.40	21.89	21.49	23.0	0.0	
Channel				506202	518596	521000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.48	21.89	21.51	23.0	0.0	
Channel				505200	518596	521996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2529	2592.99	2660.98			
60	QPSK	1	1	21.41	21.57	21.56	23.0	0.0	
Channel				504204	518596	522996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2665.98			
50	QPSK	1	1	21.51	21.82	21.42	23.0	0.0	
Channel				503202	518596	524000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2519.01	2592.99	2670			
40	QPSK	1	1	21.42	21.57	21.49	23.0	0.0	
Channel				502200	518596	524996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.39	21.60	21.54	23.0	0.0	
Channel				501204	518596	525996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	21.52	21.66	21.56	23.0	0.0	
Channel				500200	518596	526996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2503.05	2592.99	2682.48			
15	QPSK	1	1	21.41	21.58	21.49	23.0	0.0	
Channel				500202	518596	527000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	21.44	21.55	21.56	23.0	0.0	

FR1 n41_HPUE Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	24.30	24.51	24.23	
100	PI2 BPSK	1	137	24.13	24.39	24.14	26.0
100	PI2 BPSK	1	271	24.21	24.45	24.26	
100	PI2 BPSK	135	0	23.88	24.09	23.83	25.5
100	PI2 BPSK	135	69	24.09	24.37	24.08	26.0
100	PI2 BPSK	135	138	23.89	24.11	23.88	25.5
100	PI2 BPSK	270	0	23.89	24.08	23.84	
100	QPSK	1	1	24.37	24.58	24.46	
100	QPSK	1	137	24.28	24.53	24.27	26.0
100	QPSK	1	271	24.08	24.08	24.12	
100	QPSK	135	0	23.19	23.21	23.01	25.0
100	QPSK	135	69	24.25	24.47	24.18	26.0
100	QPSK	135	138	23.17	23.41	23.20	25.0
100	QPSK	270	0	22.53	23.38	22.52	
100	16QAM	1	1	23.05	23.30	23.05	25.0
100	16QAM	1	1	21.68	21.88	21.62	23.5
100	256QAM	1	1	19.53	19.81	19.58	21.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	24.25	24.50	24.35	26.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.25	24.50	24.35	26.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	24.23	24.48	24.30	26.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.26	24.37	24.38	26.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.20	24.51	24.41	26.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	24.31	24.38	24.34	26.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.25	24.48	24.31	26.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.30	24.36	24.30	26.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.31	24.40	24.33	26.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.30	24.36	24.41	26.0

FR1 n48 Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	21.56	21.76	21.49	
40	PI2 BPSK	1	53	21.40	21.62	21.40	23.0
40	PI2 BPSK	1	104	21.30	21.59	21.32	
40	PI2 BPSK	50	0	20.94	21.16	20.87	22.5
40	PI2 BPSK	50	28	21.45	21.66	21.40	23.0
40	PI2 BPSK	50	56	20.99	21.23	21.01	22.5
40	PI2 BPSK	100	0	20.99	21.19	20.98	
40	QPSK	1	1	21.81	21.87	21.76	
40	QPSK	1	53	21.55	21.76	21.50	23.0
40	QPSK	1	104	21.52	21.75	21.53	
40	QPSK	50	0	21.40	21.62	21.34	22.0
40	QPSK	50	28	21.34	21.76	21.34	23.0
40	QPSK	50	56	21.36	21.85	21.42	22.0
40	QPSK	100	0	21.32	21.75	21.36	
40	16QAM	1	1	21.56	21.85	21.66	22.0
40	16QAM	1	1	20.14	20.33	20.08	20.5
40	256QAM	1	1	18.19	18.43	18.22	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.62	21.81	21.67	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.76	21.81	21.57	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.68	21.68	21.62	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.74	21.77	21.69	23.0

FR1 n77 Part 27O Ant 3 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.17	19.83	19.83			
100	PI2 BPSK	1	137	20.03	19.87	19.85	21.5	0.0	
100	PI2 BPSK	1	271	20.12	20.01	19.96			
100	PI2 BPSK	135	0	20.14	19.80	19.80	21.5	0.0	
100	PI2 BPSK	135	69	19.96	19.94	19.81	21.5	0.0	
100	PI2 BPSK	135	138	20.09	19.97	20.01	21.5	0.0	
100	PI2 BPSK	270	0	20.18	19.65	19.76			
100	QPSK	1	1	19.96	20.27	19.81			
100	QPSK	1	137	20.16	20.00	19.90	21.5	0.0	
100	QPSK	1	271	20.21	19.80	19.75			
100	QPSK	135	0	20.04	19.91	19.86	21.5	0.0	
100	QPSK	135	69	20.18	20.22	19.98	21.5	0.0	
100	QPSK	135	138	20.18	19.83	19.83	21.5	0.0	
100	QPSK	270	0	20.03	20.15	19.83	21.5	0.0	
100	16QAM	1	1	20.02	19.80	19.80	21.5	0.0	
100	16QAM	1	1	20.02	20.00	19.81	21.5	0.0	
100	256QAM	1	1	19.96	19.20	19.95	20.5	1.0	
Channel				649688	650000	652332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit	(dB)	
90	QPSK	1	1	20.17	19.83	19.83	21.5	0.0	
Channel				649334	650000	652686	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit	(dB)	
80	QPSK	1	1	20.03	19.97	19.85	21.5	0.0	
Channel				649000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3734.6	3840	3945.4	limit	(dB)	
70	QPSK	1	1	20.12	20.01	19.96	21.5	0.0	
Channel				648688	650000	653332	Tune-up	MPR	
Frequency (MHz)				3729.02	3840	3949.98	limit	(dB)	
60	QPSK	1	1	19.96	19.94	19.81	21.5	0.0	
Channel				648334	650000	653686	Tune-up	MPR	
Frequency (MHz)				3723.01	3840	3954.99	limit	(dB)	
50	QPSK	1	1	20.09	19.97	20.01	21.5	0.0	
Channel				648000	650000	654000	Tune-up	MPR	
Frequency (MHz)				3720.1	3840	3954.99	limit	(dB)	
40	QPSK	1	1	20.18	19.85	19.78	21.5	0.0	
Channel				647688	650000	654332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3954.98	limit	(dB)	
30	QPSK	1	1	19.96	19.93	19.81	21.5	0.0	
Channel				647334	650000	654686	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3959.99	limit	(dB)	
20	QPSK	1	1	20.21	19.80	19.75	21.5	0.0	
Channel				647000	650000	655000	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.48	limit	(dB)	
15	QPSK	1	1	20.04	19.91	19.86	21.5	0.0	
Channel				647000	650000	655000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	20.02	20.00	19.81	21.5	0.0	

FR1 n77 Part 27Q Ant 3 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3459.98				
100	PI2 BPSK	1	1		20.41				
100	PI2 BPSK	1	137		20.12		21.5	0.0	
100	PI2 BPSK	1	271		20.18				
100	PI2 BPSK	135	0		20.42		21.5	0.0	
100	PI2 BPSK	135	69		20.10		21.5	0.0	
100	PI2 BPSK	135	138		20.15		21.5	0.0	
100	PI2 BPSK	270	0		20.38				
100	QPSK	1	1		20.37				
100	QPSK	1	137		20.14		21.5	0.0	
100	QPSK	1	271		20.40				
100	QPSK	135	0		20.09		21.5	0.0	
100	QPSK	135	69		20.42		21.5	0.0	
100	QPSK	135	138		20.30		21.5	0.0	
100	QPSK	270	0		20.37				
100	16QAM	1	1		20.41		21.5	0.0	
100	16QAM	1	1		20.12		21.5	0.0	
100	256QAM	1	1		19.87		20.5	1.0	
Channel				633000	633332	633686	Tune-up	MPR	
Frequency (MHz)				3405	3459.98	3514.99	limit	(dB)	
90	QPSK	1	1	20.41	20.20	20.37	21.5	0.0	
Channel				632688	633332	634000	Tune-up	MPR	
Frequency (MHz)				3400.02	3459.98	3510	limit	(dB)	
80	QPSK	1	1	20.12	20.01	20.19	21.5	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3445.01	3459.98	3514.98	limit	(dB)	
70	QPSK	1	1	20.18	20.35	20.40	21.5	0.0	
Channel				632000	633332	634686	Tune-up	MPR	
Frequency (MHz)				3440	3459.98	3511.99	limit	(dB)	
60	QPSK	1	1	20.42	20.21	20.36	21.5	0.0	
Channel				631688	633332	635000	Tune-up	MPR	
Frequency (MHz)				3433.34	633332	635332	Tune-up	MPR	
50	QPSK	1	1	20.10	20.01	20.21	21.5	0.0	
Channel				631334	633332	635686	Tune-up	MPR	
Frequency (MHz)				3420.01	3459.98	3525.98	limit	(dB)	
40	QPSK	1	1	20.15	20.35	20.38	21.5	0.0	
Channel				631000	633332	635986	Tune-up	MPR	
Frequency (MHz)				3405	3459.98	3534.99	limit	(dB)	
30	QPSK	1	1	20.38	20.18	20.35	21.5	0.0	
Channel				630688	633332	636000	Tune-up	MPR	
Frequency (MHz)				3400.02	3459.98	3540	limit	(dB)	
20	QPSK	1	1	20.11	20.03	20.23	21.5	0.0	
Channel				630300	633332	636166	Tune-up	MPR	
Frequency (MHz)				3497.5	3459.98	3542.49	limit	(dB)	
15	QPSK	1	1	20.14	20.30	20.37	21.5	0.0	
Channel				630334	633332	636332	Tune-up	MPR	
Frequency (MHz)				3455.01	3459.98	3544.98	limit	(dB)	
10	QPSK	1	1	20.40	20.22	20.43	21.5	0.0	

FR1 n78_Part 27O Ant 3 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1	20.01			
100	PI2 BPSK	1	137	19.75			
100	PI2 BPSK	1	271	19.92			
100	PI2 BPSK	135	0	20.06		21.5	0.0
100	PI2 BPSK	135	69	19.79		21.5	0.0
100	PI2 BPSK	135	138	19.89		21.5	0.0
100	PI2 BPSK	270	0	20.06			
100	QPSK	1	1	20.11			
100	QPSK	1	137	19.89		21.5	0.0
100	QPSK	1	271	20.03			
100	QPSK	135	0	19.82		21.5	0.0
100	QPSK	135	69	20.09		21.5	0.0
100	QPSK	135	138	20.03		21.5	0.0
100	QPSK	270	0	20.01		21.5	0.0
100	16QAM	1	1	20.08		21.5	0.0
100	64QAM	1	1	19.82		21.5	0.0
100	256QAM	1	1	19.43		20.5	1.0
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit (dB)
90	QPSK	1	1	20.01	19.81	20.10	21.5 0.0
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3740.01	3750	3759.99	limit (dB)
80	QPSK	1	1	19.81	19.70	19.98	21.5 0.0
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3736	3750	3764	limit (dB)
70	QPSK	1	1	19.85	19.97	20.02	21.5 0.0
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3730.02	3750	3759.98	limit (dB)
60	QPSK	1	1	20.01	19.84	20.03	21.5 0.0
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3725.01	3750	3774.99	limit (dB)
50	QPSK	1	1	19.81	19.71	19.90	21.5 0.0
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3720	3750	3780	limit (dB)
40	QPSK	1	1	19.83	19.97	20.02	21.5 0.0
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3715.02	3750.00	3764.98	limit (dB)
30	QPSK	1	1	20.01	19.84	20.04	21.5 0.0
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3710.01	3750	3769.99	limit (dB)
20	QPSK	1	1	19.73	19.69	19.94	21.5 0.0
Channel				647000	650000	652666	Tune-up
Frequency (MHz)				3707.52	3750	3762.48	limit (dB)
15	QPSK	1	1	19.88	20.05	20.08	21.5 0.0
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3705	3750	3795	limit (dB)
10	QPSK	1	1	19.80	19.67	19.93	21.5 0.0

FR1 n78_Part 27Q Ant 3 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR
Channel				633000			
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	19.92			
100	PI2 BPSK	1	137	19.84			
100	PI2 BPSK	1	271	20.06			
100	PI2 BPSK	135	0	19.99		21.5	0.0
100	PI2 BPSK	135	69	19.75		21.5	0.0
100	PI2 BPSK	135	138	20.06		21.5	0.0
100	PI2 BPSK	270	0	19.91			
100	QPSK	1	1	20.35			
100	QPSK	1	137	20.07		21.5	0.0
100	QPSK	1	271	19.95			
100	QPSK	135	0	19.74		21.5	0.0
100	QPSK	135	69	20.22		21.5	0.0
100	QPSK	135	138	19.86		21.5	0.0
100	QPSK	270	0	20.16		21.5	0.0
100	16QAM	1	1	19.85		21.5	0.0
100	64QAM	1	1	19.82		21.5	0.0
100	256QAM	1	1	19.85		20.5	1.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3495	3499.98	3504.99	limit (dB)
90	QPSK	1	1	20.08	19.92	20.16	21.5 0.0
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3490.02	3499.98	3510	limit (dB)
80	QPSK	1	1	19.81	19.84	19.94	21.5 0.0
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3485.01	3499.98	3514.98	limit (dB)
70	QPSK	1	1	19.89	20.06	20.16	21.5 0.0
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3480	3499.98	3519.99	limit (dB)
60	QPSK	1	1	20.15	19.88	20.18	21.5 0.0
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3475.02	3499.98	3525	limit (dB)
50	QPSK	1	1	19.80	19.75	20.03	21.5 0.0
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3470.01	3499.98	3529.98	limit (dB)
40	QPSK	1	1	19.96	20.06	20.07	21.5 0.0
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3465	3499.98	3534.99	limit (dB)
30	QPSK	1	1	20.17	19.91	20.19	21.5 0.0
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3460.02	3499.98	3540	limit (dB)
20	QPSK	1	1	19.82	19.77	19.98	21.5 0.0
Channel				630500	633332	636166	Tune-up
Frequency (MHz)				3457.5	3499.98	3542.49	limit (dB)
15	QPSK	1	1	19.87	20.07	20.09	21.5 0.0
Channel				630334	633332	636332	Tune-up
Frequency (MHz)				3455.01	3499.98	3544.98	limit (dB)
10	QPSK	1	1	19.82	19.74	19.99	21.5 0.0

FR1 n48 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3570	3624.99	3679.98			
Frequency (MHz)				19.94	19.91	19.97			
40	PV2 BPSK	1	1	19.94	19.91	19.97			
40	PV2 BPSK	1	53	19.92	19.85	19.99	21.0	0.0	
40	PV2 BPSK	1	104	19.91	19.97	19.96			
40	PV2 BPSK	50	0	20.00	19.89	19.89	21.0	0.0	
40	PV2 BPSK	50	26	19.90	19.86	19.94	21.0	0.0	
40	PV2 BPSK	50	50	19.91	19.99	19.91	21.0	0.0	
40	PV2 BPSK	100	0	19.89	19.96	19.96			
40	QPSK	1	1	19.89	20.03	19.92			
40	QPSK	1	53	19.91	19.98	19.89	21.0	0.0	
40	QPSK	1	104	19.97	19.91	19.98			
40	QPSK	50	0	19.94	20.01	20.00	21.0	0.0	
40	QPSK	50	26	19.91	19.99	19.94	21.0	0.0	
40	QPSK	50	50	19.90	19.97	19.99	21.0	0.0	
40	QPSK	100	0	19.99	20.00	19.92	21.0	0.0	
40	16QAM	1	1	19.98	19.92	19.97	21.0	0.0	
40	64QAM	1	1	19.89	20.00	20.00	21.0	0.0	
40	256QAM	1	1	19.96	19.42	19.33	19.5	1.5	
Channel				637668	641686	645686	Tune-up	MPR	
Frequency (MHz)				3655.02	3624.99	3634.99	limit (dB)		
30	QPSK	1	1	19.84	19.84	19.82	21.0	0.0	
Channel				637334	641686	646000	Tune-up	MPR	
Frequency (MHz)				3650.01	3624.99	3650	limit (dB)		
20	QPSK	1	1	19.80	19.78	19.81	21.0	0.0	
Channel				637168	641686	646166	Tune-up	MPR	
Frequency (MHz)				3657.52	3624.99	3652.48	limit (dB)		
15	QPSK	1	1	19.82	19.82	19.78	21.0	0.0	
Channel				637000	641686	646332	Tune-up	MPR	
Frequency (MHz)				3655	3624.99	3634.98	limit (dB)		
10	QPSK	1	1	19.79	19.84	19.85	21.0	0.0	

FR1 n77 Part 270 Ant 4 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3760	3840	3920			
100	PV2 BPSK	1	1	19.97	19.94	19.94			
100	PV2 BPSK	1	137	19.97	19.95	19.99	20.0	0.0	
100	PV2 BPSK	1	271	19.90	19.82	19.95			
100	PV2 BPSK	135	0	19.93	19.93	19.92	20.0	0.0	
100	PV2 BPSK	135	69	19.96	19.93	19.94	20.0	0.0	
100	PV2 BPSK	135	138	19.91	19.99	19.91	20.0	0.0	
100	PV2 BPSK	270	0	19.90	19.97	19.95			
100	QPSK	1	1	19.97	19.98	19.94			
100	QPSK	1	137	19.94	19.93	19.93	20.0	0.0	
100	QPSK	1	271	19.90	19.91	19.98			
100	QPSK	135	0	19.91	19.95	19.97	20.0	0.0	
100	QPSK	135	69	19.93	19.98	19.96	20.0	0.0	
100	QPSK	135	138	19.97	19.93	19.93	20.0	0.0	
100	QPSK	270	0	19.93	19.94	19.99	20.0	0.0	
100	16QAM	1	1	19.80	19.96	19.63	20.0	0.0	
100	64QAM	1	1	19.94	19.99	19.95	20.0	0.0	
100	256QAM	1	1	19.99	19.92	19.92	20.0	0.0	
Channel				649668	656000	662332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit (dB)		
90	QPSK	1	1	19.90	19.94	19.99	20.0	0.0	
Channel				649334	656000	662666	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)		
80	QPSK	1	1	19.90	19.94	19.90	20.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit (dB)		
70	QPSK	1	1	19.95	19.99	19.91	20.0	0.0	
Channel				648668	656000	663332	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3940.98	limit (dB)		
60	QPSK	1	1	19.49	19.48	19.55	20.0	0.0	
Channel				648334	656000	663666	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3944.99	limit (dB)		
50	QPSK	1	1	19.48	19.92	19.94	20.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3944.98	limit (dB)		
40	QPSK	1	1	19.48	19.90	19.49	20.0	0.0	
Channel				647668	656000	664332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3944.98	limit (dB)		
30	QPSK	1	1	19.94	19.95	19.48	20.0	0.0	
Channel				647334	656000	664666	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3949.99	limit (dB)		
20	QPSK	1	1	19.94	19.92	19.95	20.0	0.0	
Channel				647000	656000	664832	Tune-up	MPR	
Frequency (MHz)				3707.99	3840	3952.48	limit (dB)		
15	QPSK	1	1	19.49	19.99	19.94	20.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3955	limit (dB)		
10	QPSK	1	1	19.91	19.92	19.99	20.0	0.0	

FR1 n77 Part 27Q Ant 4 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633332	633668			
Frequency (MHz)				3465	3468.98	3474.98			
100	PV2 BPSK	1	1		19.28			20.0	0.0
100	PV2 BPSK	1	137		19.32				
100	PV2 BPSK	1	271		19.36				
100	PV2 BPSK	135	0		19.34		20.0	0.0	
100	PV2 BPSK	135	69		19.31		20.0	0.0	
100	PV2 BPSK	135	138		19.36		20.0	0.0	
100	PV2 BPSK	270	0		19.35		20.0	0.0	
100	QPSK	1	1		19.33				
100	QPSK	1	137		19.30		20.0	0.0	
100	QPSK	1	271		19.33				
100	QPSK	135	0		19.32		20.0	0.0	
100	QPSK	135	69		19.34		20.0	0.0	
100	QPSK	135	138		19.30		20.0	0.0	
100	QPSK	270	0		19.30		20.0	0.0	
100	16QAM	1	1		19.38		20.0	0.0	
100	16QAM	1	1		19.31		20.0	0.0	
100	64QAM	1	1		19.33		20.0	0.0	
100	256QAM	1	1		19.35		20.0	0.0	
Channel				633000	633332	633668	Tune-up	MPR	
Frequency (MHz)				3465	3468.98	3474.98	limit (dB)		
90	QPSK	1	1	19.23	19.93	19.25	20.0	0.0	
Channel				632668	633332	634000	Tune-up	MPR	
Frequency (MHz)				3460.02	3468.98	3470	limit (dB)		
80	QPSK	1	1	19.34	19.92	19.33	20.0	0.0	
Channel				632334	633332	634332	Tune-up	MPR	
Frequency (MHz)				3455.01	3468.98	3474.98	limit (dB)		
70	QPSK	1	1	19.24	19.98	19.34	20.0	0.0	
Channel				632000	633332	634666	Tune-up	MPR	
Frequency (MHz)				3450	3468.98	3471.99	limit (dB)		
60	QPSK	1	1	19.30	19.98	19.33	20.0	0.0	
Channel				631668	633332	635000	Tune-up	MPR	
Frequency (MHz)				3445.02	3468.98	3475	limit (dB)		
50	QPSK	1	1	19.23	19.95	19.24	20.0	0.0	
Channel				631334	633332	635332	Tune-up	MPR	
Frequency (MHz)				3440.01	3468.98	3478.99	limit (dB)		
40	QPSK	1	1	19.32	19.91	19.23	20.0	0.0	
Channel				631000	633332	635666	Tune-up	MPR	
Frequency (MHz)				3445	3468.98	3473.99	limit (dB)		
30	QPSK	1	1	19.25	19.28	19.28	20.0	0.0	
Channel				630668	633332	636000	Tune-up	MPR	
Frequency (MHz)				3460.02	3469.98	3470	limit (dB)		
20	QPSK	1	1	19.30	19.32	19.28	20.0	0.0	
Channel				630334	633332	636332	Tune-up	MPR	
Frequency (MHz)				3465	3465.98	3464.98	limit (dB)		
15	QPSK	1	1	19.26	19.24	19.23	20.0	0.0	
Channel				630000	633332	636332	Tune-up	MPR	
Frequency (MHz)				3463.51	3465.98	3464.98	limit (dB)		
10	QPSK	1	1	19.33	19.24	19.26	20.0	0.0	

FR1 n78_Part 27O Ant 4 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	3750		
Frequency (MHz)					19.52		
100	PI2 BPSK	1	1		19.52		
100	PI2 BPSK	1	137		19.20		
100	PI2 BPSK	1	271		19.29		
100	PI2 BPSK	135	0		19.50		20.0
100	PI2 BPSK	135	69		19.15		20.0
100	PI2 BPSK	135	138		19.24		20.0
100	PI2 BPSK	270	0		19.52		20.0
100	QPSK	1	1		19.58		
100	QPSK	1	137		19.33		20.0
100	QPSK	1	271		19.41		
100	QPSK	135	0		19.20		20.0
100	QPSK	135	69		19.50		20.0
100	QPSK	135	138		19.21		20.0
100	QPSK	270	0		19.15		20.0
100	16QAM	1	1		19.52		20.0
100	64QAM	1	1		19.14		20.0
100	256QAM	1	1		19.24		20.0
Channel				649668	650000	650332	Tune-up
Frequency (MHz)				3745.02	3750	3754.98	limit
90	QPSK	1	1		19.49	19.08	19.01
Channel				649334	650000	650666	Tune-up
Frequency (MHz)				3749.01	3750	3750.99	limit
80	QPSK	1	1		19.25	19.24	19.19
Channel				649000	650000	651000	Tune-up
Frequency (MHz)				3746	3750	3754	limit
70	QPSK	1	1		19.45	19.25	19.18
Channel				648668	650000	651332	Tune-up
Frequency (MHz)				3742.02	3750	3753.98	limit
60	QPSK	1	1		19.49	19.08	19.01
Channel				648334	650000	651666	Tune-up
Frequency (MHz)				3738.01	3750	3751.99	limit
50	QPSK	1	1		19.23	19.25	19.15
Channel				648000	650000	652000	Tune-up
Frequency (MHz)				3734	3750	3766	limit
40	QPSK	1	1		19.40	19.20	19.22
Channel				647668	650000	652332	Tune-up
Frequency (MHz)				3730.02	3750.00	3754.98	limit
30	QPSK	1	1		19.39	19.05	19.13
Channel				647334	650000	652666	Tune-up
Frequency (MHz)				3719.01	3750	3753.99	limit
20	QPSK	1	1		19.32	19.25	19.08
Channel				647000	650000	652999	Tune-up
Frequency (MHz)				3717.52	3750	3762.48	limit
15	QPSK	1	1		19.39	19.30	19.23
Channel				647000	650000	653000	Tune-up
Frequency (MHz)				3715	3750	3765	limit
10	QPSK	1	1		19.35	19.28	19.26

FR1 n78_Part 27Q Ant 4 PC2&PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633000	633332		
Frequency (MHz)					3459.98		
100	PI2 BPSK	1	1		19.04		
100	PI2 BPSK	1	137		19.11		
100	PI2 BPSK	1	271		19.22		
100	PI2 BPSK	135	0		19.36		20.0
100	PI2 BPSK	135	69		19.20		20.0
100	PI2 BPSK	135	138		19.18		20.0
100	PI2 BPSK	270	0		19.03		20.0
100	QPSK	1	1		19.35		
100	QPSK	1	137		19.20		20.0
100	QPSK	1	271		19.33		
100	QPSK	135	0		19.15		20.0
100	QPSK	135	69		19.38		20.0
100	QPSK	135	138		19.30		20.0
100	QPSK	270	0		19.34		20.0
100	16QAM	1	1		19.06		20.0
100	64QAM	1	1		19.14		20.0
100	256QAM	1	1		19.22		20.0
Channel				633000	633332	633666	Tune-up
Frequency (MHz)				3455	3459.98	3464.99	limit
90	QPSK	1	1		19.42	19.97	19.00
Channel				632668	633332	634000	Tune-up
Frequency (MHz)				3450.02	3459.98	3460	limit
80	QPSK	1	1		19.35	19.23	19.11
Channel				632334	633332	634332	Tune-up
Frequency (MHz)				3445.01	3459.98	3464.98	limit
70	QPSK	1	1		19.34	19.03	18.93
Channel				632000	633332	634666	Tune-up
Frequency (MHz)				3440	3459.98	3461.99	limit
60	QPSK	1	1		19.23	19.14	19.09
Channel				631668	633332	635000	Tune-up
Frequency (MHz)				3435.02	3459.98	3460	limit
50	QPSK	1	1		19.29	19.19	19.20
Channel				631334	633332	635332	Tune-up
Frequency (MHz)				3429.01	3459.98	3462.98	limit
40	QPSK	1	1		19.36	18.98	18.93
Channel				631000	633332	635666	Tune-up
Frequency (MHz)				3430	3459.98	3464.99	limit
30	QPSK	1	1		19.32	19.13	19.16
Channel				630668	633332	636000	Tune-up
Frequency (MHz)				3425.02	3459.98	3460	limit
20	QPSK	1	1		19.29	19.14	19.12
Channel				630500	633332	636166	Tune-up
Frequency (MHz)				3427.5	3459.98	3462.49	limit
15	QPSK	1	1		19.27	19.18	19.07
Channel				630334	633332	636332	Tune-up
Frequency (MHz)				3425.01	3459.98	3464.98	limit
10	QPSK	1	1		19.24	19.17	19.01

FR1 n48 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI/2 BPSK	1	1	19.73	19.81	19.77		21.0	0.0
40	PI/2 BPSK	1	53	19.61	19.70	19.50			
40	PI/2 BPSK	1	104	19.56	19.71	19.45			
40	PI/2 BPSK	50	0	19.62	19.68	19.61	20.5	0.5	
40	PI/2 BPSK	50	28	19.31	19.55	19.47	21.0	0.0	
40	PI/2 BPSK	50	56	19.27	19.51	19.28		20.5	0.5
40	PI/2 BPSK	100	0	19.44	19.56	19.35			
40	QPSK	1	1	19.95	20.06	19.84		21.0	0.0
40	QPSK	1	53	19.78	19.85	19.66			
40	QPSK	1	104	19.70	19.92	19.87			
40	QPSK	50	0	19.68	19.73	19.51	20.0	1.0	
40	QPSK	50	28	19.53	19.77	19.56	21.0	0.0	
40	QPSK	50	56	19.63	19.88	19.49	20.0	1.0	
40	QPSK	100	0	19.55	19.65	19.61			
40	16QAM	1	1	19.81	19.91	19.67	20.0	1.0	
40	64QAM	1	1	19.24	19.49	19.37	19.5	2.5	
40	256QAM	1	1	16.37	16.47	16.42	16.5	4.5	
Channel				637668	641666	645666	Tune-up	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	limit	(dB)	
30	QPSK	1	1	19.80	19.93	19.70	21.0	0.0	
Channel				637334	641666	646000	Tune-up	MPR	
Frequency (MHz)				3560.01	3624.99	3690	limit	(dB)	
20	QPSK	1	1	19.87	19.90	19.79	21.0	0.0	
Channel				637168	641666	646166	Tune-up	MPR	
Frequency (MHz)				3557.52	3624.99	3692.48	limit	(dB)	
15	QPSK	1	1	19.82	19.88	19.78	21.0	0.0	
Channel				637000	641666	646332	Tune-up	MPR	
Frequency (MHz)				3555	3624.99	3694.98	limit	(dB)	
10	QPSK	1	1	19.81	19.97	19.71	21.0	0.0	

FR1 n77 Part 270 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.42	19.31	19.29		21.0	0.0
100	PI/2 BPSK	1	137	19.32	19.33	19.15			
100	PI/2 BPSK	1	271	19.28	19.30	19.13			
100	PI/2 BPSK	135	0	19.45	19.50	19.29	21.0	0.0	
100	PI/2 BPSK	135	69	19.48	19.25	19.20	21.0	0.0	
100	PI/2 BPSK	135	138	19.27	19.14	19.15		21.0	0.0
100	PI/2 BPSK	270	0	19.42	19.23	19.13			
100	QPSK	1	1	19.49	19.51	19.45		21.0	0.0
100	QPSK	1	137	19.36	19.45	19.41			
100	QPSK	1	271	19.35	19.47	19.39			
100	QPSK	135	0	19.39	19.45	19.35	21.0	0.0	
100	QPSK	135	69	19.48	19.48	19.41	21.0	0.0	
100	QPSK	135	138	19.42	19.22	19.28		21.0	0.0
100	QPSK	270	0	19.41	19.44	19.20			
100	16QAM	1	1	19.42	19.50	19.48	21.0	0.0	
100	64QAM	1	1	19.45	19.45	19.46	21.0	0.0	
100	256QAM	1	1	17.52	17.56	17.57	19.0	2.0	
Channel				649668	656000	662332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit	(dB)	
90	QPSK	1	1	19.30	19.20	19.29	21.0	0.0	
Channel				649334	656000	662666	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	limit	(dB)	
80	QPSK	1	1	19.41	19.36	19.21	21.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	19.45	19.26	19.29	21.0	0.0	
Channel				648668	656000	663332	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3949.98	limit	(dB)	
60	QPSK	1	1	19.40	19.22	19.23	21.0	0.0	
Channel				648334	656000	663666	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3954.99	limit	(dB)	
50	QPSK	1	1	19.36	19.31	19.17	21.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	19.40	19.20	19.21	21.0	0.0	
Channel				647668	656000	664332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840.00	3964.98	limit	(dB)	
30	QPSK	1	1	19.32	19.33	19.17	21.0	0.0	
Channel				647334	656000	664666	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3969.99	limit	(dB)	
20	QPSK	1	1	19.32	19.30	19.17	21.0	0.0	
Channel				647168	656000	664832	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.48	limit	(dB)	
15	QPSK	1	1	19.37	19.28	19.30	21.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	19.40	19.38	19.26	21.0	0.0	

FR1 n77 HPUE Part 270 Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Time- up limit (dBm)	MPR (dB)
				Ch. / Freq.	650000	Ch. / Freq.	656000	Ch. / Freq.	662000		
Channel				3750		3840		3930			
Frequency (MHz)											
100	PI/2 BPSK	1	1	22.30		22.38		22.14			
100	PI/2 BPSK	1	137	22.18		22.27		22.02		23.0	0.0
100	PI/2 BPSK	1	271	22.06		22.21		22.13		22.5	0.5
100	PI/2 BPSK	135	0	21.86		21.95		21.83		23.0	0.5
100	PI/2 BPSK	135	69	22.11		22.20		22.07		23.0	0.0
100	PI/2 BPSK	135	138	21.79		21.61		21.77		22.5	0.5
100	PI/2 BPSK	270	0	21.60		21.72		21.69			
100	QPSK	1	1	22.32		22.59		22.27			
100	QPSK	1	137	22.08		22.27		22.11		23.0	0.0
100	QPSK	1	271	22.13		22.30		22.05			
100	QPSK	135	0	21.20		21.39		21.30		22.0	1.0
100	QPSK	135	69	22.29		22.37		22.33		23.0	0.0
100	QPSK	135	138	21.13		21.06		21.09		22.0	1.0
100	QPSK	270	0	21.07		21.27		21.03			
100	16QAM	1	1	21.42		21.66		21.54		22.0	1.0
100	64QAM	1	1	19.93		20.17		19.94		20.5	2.5
100	256QAM	1	1	17.80		18.07		17.83		18.5	4.5
Channel				649668		656000		662666			
Frequency (MHz)				3745.02		3840		3934.98		Time-up limit (dB)	
90	QPSK	1	1	22.20		22.51		22.14		23.0	0.0
Channel				649334		656000		662666		Time-up limit (dB)	MPR
Frequency (MHz)				3740.01		3840		3939.99			(dB)
80	QPSK	1	1	22.15		22.53		22.07		23.0	0.0
Channel				649000		656000		663000		Time-up limit	MPR
Frequency (MHz)				3735		3840		3945			(dB)
70	QPSK	1	1	22.21		22.42		22.16		23.0	0.0
Channel				648668		656000		663332		Time-up limit	MPR
Frequency (MHz)				3730.02		3840		3949.98			(dB)
60	QPSK	1	1	22.20		22.43		22.09		23.0	0.0
Channel				648334		656000		663666		Time-up limit	MPR
Frequency (MHz)				3725.01		3840		3954.99			(dB)
50	QPSK	1	1	22.17		22.48		22.19		23.0	0.0
Channel				648000		656000		664000		Time-up limit	MPR
Frequency (MHz)				3720		3840		3960			(dB)
40	QPSK	1	1	22.14		22.41		22.08		23.0	0.0
Channel				647668		656000		664332		Time-up limit	MPR
Frequency (MHz)				3715.02		3840.00		3964.98			(dB)
30	QPSK	1	1	22.24		22.46		22.12		23.0	0.0
Channel				647334		656000		664666		Time-up limit	MPR
Frequency (MHz)				3710.01		3840		3969.99			(dB)
20	QPSK	1	1	22.26		22.46		22.22		23.0	0.0
Channel				647168		656000		664932		Time-up limit	MPR
Frequency (MHz)				3707.52		3840		3972.48			(dB)
15	QPSK	1	1	22.12		22.50		22.12		23.0	0.0
Channel				647000		656000		665000		Time-up limit	MPR
Frequency (MHz)				3705		3840		3975			(dB)
10	QPSK	1	1	22.14		22.46		22.22		23.0	0.0

FR1 n77 Part 27Q Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Time-up limit (dBm)	MPR (dB)
				Ch. / Freq.	633000	Ch. / Freq.	633332	Ch. / Freq.	633666		
Channel				3495		3499.98		3504.99			
Frequency (MHz)											
100	PI/2 BPSK	1	1		20.06						
100	PI/2 BPSK	1	137		20.01					21.0	0.0
100	PI/2 BPSK	1	271		19.88					21.0	0.0
100	PI/2 BPSK	135	0		19.94					21.0	0.0
100	PI/2 BPSK	135	69		19.98					21.0	0.0
100	PI/2 BPSK	135	138		20.03					21.0	0.0
100	PI/2 BPSK	270	0		19.91					21.0	0.0
100	QPSK	1	1		20.11						
100	QPSK	1	137		20.06					21.0	0.0
100	QPSK	1	271		20.07						
100	QPSK	135	0		19.91					21.0	0.0
100	QPSK	135	69		20.06					21.0	0.0
100	QPSK	135	138		19.99					21.0	0.0
100	QPSK	270	0		19.98					21.0	0.0
100	16QAM	1	1		20.08					21.0	0.0
100	64QAM	1	1		20.06					21.0	0.0
100	256QAM	1	1		17.58					19.0	2.0
Channel				633000		633332		633666			
Frequency (MHz)				3495 <td colspan="2">3499.98</td> <td colspan="2">3504.99</td> <td>Time-up limit</td> <td>MPR</td>		3499.98		3504.99		Time-up limit	MPR
90	QPSK	1	1		19.97	20.02	19.99	21.0	0.0		
Channel				632668		633332		634000		Time-up	MPR
Frequency (MHz)				3490.02		3499.98		3510		limit	(dB)
80	QPSK	1	1		19.94	19.94	19.97	21.0	0.0		
Channel				632334		633332		634332		Time-up	MPR
Frequency (MHz)				3485.01		3499.98		3514.98		limit	(dB)
70	QPSK	1	1		19.98	20.00	20.06	21.0	0.0		
Channel				632000		633332		634666		Time-up	MPR
Frequency (MHz)				3480		3499.98		3519.99		limit	(dB)
60	QPSK	1	1		19.92	19.93	20.05	21.0	0.0		
Channel				631668		633332		635000		Time-up	MPR
Frequency (MHz)				3475.02		3499.98		3525		limit	(dB)
50	QPSK	1	1		19.93	20.04	19.92	21.0	0.0		
Channel				631334		633332		635332		Time-up	MPR
Frequency (MHz)				3470.01		3499.98		3529.98		limit	(dB)
40	QPSK	1	1		19.92	20.00	19.99	21.0	0.0		
Channel				631000		633332		635666		Time-up	MPR
Frequency (MHz)				3465		3499.98		3534.99		limit	(dB)
30	QPSK	1	1		19.96	19.98	19.93	21.0	0.0		
Channel				630668		633332		636000		Time-up	MPR
Frequency (MHz)				3460.02		3499.98		3540		limit	(dB)
20	QPSK	1	1		20.05	19.92	20.03	21.0	0.0		
Channel				630500		633332		636166		Time-up	MPR
Frequency (MHz)				3457.5		3499.98		3542.49		limit	(dB)
15	QPSK	1	1		20.07	19.97	19.97	21.0	0.0		
Channel				630334		633332		636332		Time-up	MPR
Frequency (MHz)				3455.01		3499.98		3544.98		limit	(dB)
10	QPSK	1	1		20.03	19.99	19.92	21.0	0.0		

FR1 n77 HPUE Part 27Q Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332			
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	22.69				
100	PI/2 BPSK	1	137	22.68			23.0	0.0
100	PI/2 BPSK	1	271	22.62				
100	PI/2 BPSK	135	0	22.21		22.5	0.5	
100	PI/2 BPSK	135	69	22.60		23.0	0.0	
100	PI/2 BPSK	135	138	22.04		22.5	0.5	
100	PI/2 BPSK	270	0	22.18				
100	QPSK	1	1	22.75				
100	QPSK	1	137	22.66			23.0	0.0
100	QPSK	1	271	22.71				
100	QPSK	135	0	21.50		22.0	1.0	
100	QPSK	135	69	22.65		23.0	0.0	
100	QPSK	135	138	21.47		22.0	1.0	
100	QPSK	270	0	21.54				
100	16QAM	1	1	21.62		22.0	1.0	
100	64QAM	1	1	20.13		20.5	2.5	
100	256QAM	1	1	18.09		18.5	4.5	
Channel				633000	633332	633666	Tune-up	MPR
Frequency (MHz)				3495	3499.98	3504.99	limit	(dB)
90	QPSK	1	1	22.64	22.67	22.67	23.0	0.0
Channel				632668	633332	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3499.98	3510	limit	(dB)
80	QPSK	1	1	22.60	22.57	22.68	23.0	0.0
Channel				632334	633332	634332	Tune-up	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	limit	(dB)
70	QPSK	1	1	22.67	22.69	22.70	23.0	0.0
Channel				632000	633332	634666	Tune-up	MPR
Frequency (MHz)				3480	3499.98	3510.99	limit	(dB)
60	QPSK	1	1	22.61	22.65	22.69	23.0	0.0
Channel				631668	633332	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3499.98	3525	limit	(dB)
50	QPSK	1	1	22.57	22.70	22.69	23.0	0.0
Channel				631334	633332	635332	Tune-up	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	limit	(dB)
40	QPSK	1	1	22.63	22.64	22.69	23.0	0.0
Channel				631000	633332	635666	Tune-up	MPR
Frequency (MHz)				3465	3499.98	3534.99	limit	(dB)
30	QPSK	1	1	22.62	22.70	22.65	23.0	0.0
Channel				630668	633332	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3499.98	3540	limit	(dB)
20	QPSK	1	1	22.59	22.62	22.65	23.0	0.0
Channel				630500	633332	636166	Tune-up	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	limit	(dB)
15	QPSK	1	1	22.58	22.64	22.58	23.0	0.0
Channel				630334	633332	636332	Tune-up	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	limit	(dB)
10	QPSK	1	1	22.63	22.62	22.60	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.31			
100	PI/2 BPSK	1	137		19.39		20.0	0.0
100	PI/2 BPSK	1	271		19.29			
100	PI/2 BPSK	135	0		19.41		20.0	0.0
100	PI/2 BPSK	135	69		19.38		20.0	0.0
100	PI/2 BPSK	135	138		19.33		20.0	0.0
100	PI/2 BPSK	270	0		19.25			
100	QPSK	1	1		19.42			
100	QPSK	1	137		18.79		20.0	0.0
100	QPSK	1	271		18.77			
100	QPSK	135	0		19.26		20.0	0.0
100	QPSK	135	69		19.32		20.0	0.0
100	QPSK	135	138		19.11		20.0	0.0
100	QPSK	270	0		19.19			
100	16QAM	1	1		19.35		20.0	0.0
100	64QAM	1	1		18.74		20.0	0.0
100	256QAM	1	1		17.47		18.0	2.0
Channel				649668	650000	650332	Tune-up	MPR
Frequency (MHz)				3745.02	3750	3754.98	limit	(dB)
90	QPSK	1	1	19.28	19.26	19.26	20.0	0.0
Channel				649334	650000	650666	Tune-up	MPR
Frequency (MHz)				3740.01	3750	3759.99	limit	(dB)
80	QPSK	1	1	19.23	19.37	19.24	20.0	0.0
Channel				649000	650000	651000	Tune-up	MPR
Frequency (MHz)				3735	3750	3765	limit	(dB)
70	QPSK	1	1	19.33	19.28	19.25	20.0	0.0
Channel				648668	650000	651332	Tune-up	MPR
Frequency (MHz)				3730.02	3750	3769.98	limit	(dB)
60	QPSK	1	1	19.25	19.34	19.26	20.0	0.0
Channel				648334	650000	651666	Tune-up	MPR
Frequency (MHz)				3725.01	3750	3774.99	limit	(dB)
50	QPSK	1	1	19.34	19.27	19.30	20.0	0.0
Channel				648000	650000	652000	Tune-up	MPR
Frequency (MHz)				3720	3750	3780	limit	(dB)
40	QPSK	1	1	19.25	19.32	19.33	20.0	0.0
Channel				647668	650000	652332	Tune-up	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	limit	(dB)
30	QPSK	1	1	19.28	19.29	19.35	20.0	0.0
Channel				647334	650000	652666	Tune-up	MPR
Frequency (MHz)				3710.01	3750	3789.99	limit	(dB)
20	QPSK	1	1	19.31	19.38	19.34	20.0	0.0
Channel				647168	650000	652832	Tune-up	MPR
Frequency (MHz)				3707.52	3750	3792.48	limit	(dB)
15	QPSK	1	1	19.23	19.30	19.35	20.0	0.0
Channel				647000	650000	653000	Tune-up	MPR
Frequency (MHz)				3705	3750	3795	limit	(dB)
10	QPSK	1	1	19.23	19.29	19.25	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3405	3409.98	3504.99	limit	(dB)
100	PI/2 BPSK	1	1	22.51	22.47	22.42	23.0	0.0
100	PI/2 BPSK	1	137	632668	633332	634000	Tune-up limit	MPR
100	PI/2 BPSK	1	271	3490.02	3499.98	3510	limit	(dB)
100	PI/2 BPSK	135	0	22.49	22.44	22.35	23.0	0.0
100	PI/2 BPSK	135	69	632334	633332	634332	Tune-up limit	MPR
100	PI/2 BPSK	135	138	3483.01	3499.98	3514.98	limit	(dB)
100	PI/2 BPSK	270	0	22.36	22.40	22.49	23.0	0.0
100	QPSK	1	1	632000	633332	634666	Tune-up limit	MPR
100	QPSK	1	137	3480	3499.98	3519.99	limit	(dB)
100	QPSK	1	271	22.43	22.41	22.50	23.0	0.0
100	QPSK	135	0	631868	633332	635000	Tune-up limit	MPR
100	QPSK	135	69	3475.02	3499.98	3525	limit	(dB)
100	QPSK	135	138	22.46	22.37	22.42	23.0	0.0
100	QPSK	270	0	631334	633332	635332	Tune-up limit	MPR
100	16QAM	1	1	3470.01	3499.98	3529.98	limit	(dB)
100	64QAM	1	1	22.44	22.50	22.40	23.0	0.0
100	256QAM	1	1	631000	633332	635666	Tune-up limit	MPR
Channel				3465	3499.98	3534.99	limit	(dB)
Frequency (MHz)				22.50	22.50	22.38	23.0	0.0
90	QPSK	1	1	630668	633332	635000	Tune-up limit	MPR
Channel				3460.02	3499.98	3540	limit	(dB)
Frequency (MHz)				22.47	22.42	22.42	23.0	0.0
80	QPSK	1	1	630500	633332	636166	Tune-up limit	MPR
Channel				3457.5	3499.98	3542.49	limit	(dB)
Frequency (MHz)				22.36	22.43	22.42	23.0	0.0
70	QPSK	1	1	630334	633332	636332	Tune-up limit	MPR
Channel				3455.01	3499.98	3544.98	limit	(dB)
Frequency (MHz)				22.45	22.39	22.38	23.0	0.0
60	QPSK	1	1					

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Bluetooth			Aver		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR/EDR	CH 05	2462	8.35	6.75	6.85
	CH 39	2441	6.72	7.15	7.15
	CH 15	2483	7.40	5.65	5.85
Total Cap Limit			9.00	8.05	8.05

BLE 1M			Aver		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			125K		
LE	CH 05	2462	7.59		
	CH 19	2443	8.45		
	CH 39	2483	7.45		
Total Cap Limit			8		

BLE 2M			Aver		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			2Mbps		
LE	CH 05	2462	8.25		
	CH 19	2443	8.85		
	CH 39	2483	7.45		
Total Cap Limit			9.00		

BLE_125K				Aver	
Mode	Channel	Frequency (MHz)		Average power (dBm)	
				750K	
LE	CH 05	2462		7.68	
	CH 15	2443		8.25	
	CH 35	2483		7.11	
Total Cap Limit				8.00	

BLE_500K				Aver	
Mode	Channel	Frequency (MHz)		Average power (dBm)	
				750K	
LE	CH 05	2462		7.80	
	CH 15	2443		8.42	
	CH 35	2483		7.35	
Total Cap Limit				9.00	

2nd BLE Ant <switch OFF State>

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH10	2402	2.71
	CH15	2443	3.54
	CH39	2483	3.91
Transmit Limit			4.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH10	2402	3.79
	CH15	2443	3.47
	CH39	2483	3.08
Transmit Limit			4.00

BLE_125K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH10	2402	2.81
	CH15	2443	3.37
	CH39	2483	2.93
Transmit Limit			4.00

BLE_500K

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH10	2402	2.80
	CH15	2443	3.44
	CH39	2483	2.93
Transmit Limit			4.00