

<GSM>								
GSM850_Ant 0_Full Power	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency(MHz)	824.2	835.4	846.6		824.2	835.4	846.6	
GPRS 1 Tx slot	31.60	31.79	31.78	33.50	22.60	22.79	22.78	24.50
GPRS 4 Tx slots	26.74	26.89	26.86	28.50	23.74	23.89	23.86	25.50

<GSM>

GSM850_Ant 1_Full Power	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency(MHz)	824.2	835.4	846.6		824.2	835.4	846.6	
GPRS 1 Tx slot	31.60	31.96	31.92	33.50	22.60	22.96	22.92	24.50
GPRS 4 Tx slots	26.67	26.57	26.50	28.50	23.67	23.57	23.50	25.50

<GSM>								
GSM1900_Ant 2_Full Power	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1050.2	1050	1050.3		1050.2	1050	1050.3	
Frequency(MHz)	28.84	28.86	28.72	30.50	19.84	19.86	19.72	21.50
GPRS 1 Tx slots								
GPRS 4 Tx slots	24.53	24.60	24.50	26.00	21.53	21.60	21.50	23.00



<WCDMA>

Band		WCDMA V_Ant D_Full Power			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Frequency(MHz)		826.4	836.4	846.6	
3GPP Rel 99	PMIC 12.2Kbps	22.94	23.01	22.91	24.00



<WCDMA>

Band		WCDMA V_Ant 1_Full Power			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Frequency(MHz)		836.4	836.4	846.6	
SCPP Rel 99	PMIC 12.2Kbps	23.45	23.51	23.40	24.00



<WCDMA>					
Band		WCDMA II_Ant 2_Full Power			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Frequency(MHz)		1852.4	1880	1907.6	
SCPP Rel 99	RMC 12.2Kbps	22.95	23.05	22.96	24.00

<WCDMA>					
Band		WCDMA IV_Ant 2_Full Power			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Frequency(MHz)		1712.4	1732.6	1752.6	
SCPP Rel 99	RMC 12.2Kbps	22.92	22.97	22.88	24.00

[illegible]

2010-2011	2011-2012	2012-2013	2013-2014
Total			
2010-2011			
100	100	100	100
100	100	100	100
100	100	100	100

2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-2281	2281-2282	2282-2283	2283-2284	2284-2285	2285-2286	2286-2287	2287-2288	2288-2289	2289-2290	2290-2291	22
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LTE Band 18 Ant 1 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 Freq.	Power Level Ch. 2 Freq.	Power Level Ch. 3 Freq.	Take up Limit (dBm)
Frequency (MHz)				Power	Power	Power	
				20.00	20.00	20.00	
BS	QPSK	1	0	20.00	20.00	20.00	20.00
BS		80	0	20.00	20.00	20.00	20.00
BS		128	0	20.00	20.00	20.00	20.00

LTE Band 41 Ant 1 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 Freq.	Power Level Ch. 2 Freq.	Power Level Ch. 3 Freq.	Take up Limit (dBm)
Frequency (MHz)				Power	Power	Power	
				20.00	20.00	20.00	
BS	QPSK	1	0	20.00	20.00	20.00	20.00
BS		80	0	20.00	20.00	20.00	20.00
BS		128	0	20.00	20.00	20.00	20.00

LTE Band 41 NPUS Ant 1 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 Freq.	Power Level Ch. 2 Freq.	Power Level Ch. 3 Freq.	Take up Limit (dBm)
Frequency (MHz)				Power	Power	Power	
				20.00	20.00	20.00	
BS	QPSK	1	0	20.00	20.00	20.00	20.00
BS		80	0	20.00	20.00	20.00	20.00
BS		128	0	20.00	20.00	20.00	20.00

Referring	Medication	Ref ID	Ref Date	Price List GK - Pkg	Price Disp - Pkg	Price Disp - Pkg	Insurance code (ref)
Insurance							
Insurance Name				1585.0	1585.0	1585.0	
				1745	1745	1735	
AB	OPIA	500	5	12.50	12.50	12.11	60-00
AB		500	5	22.75	22.81	22.25	60-00
AB		500	5	22.80	22.89	22.70	60-00

LTE Band 18, Ant 2, Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Take-up Limit (dBm)
Frequency (MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)	
BSF	QPSK	1	0	22.85	22.85	22.85	24.00
BSF	QPSK	64	0	22.71	22.71	22.71	24.00
BSF	QPSK	128	0	22.71	22.81	22.85	24.00

LTE Band 41, Ant 2, Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Take-up Limit (dBm)
Frequency (MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)	
BSF	QPSK	1	0	22.25	22.55	22.55	24.00
BSF	QPSK	64	0	22.11	22.31	22.31	24.00
BSF	QPSK	128	0	22.05	22.27	22.54	24.00

LTE Band 41, NPUS, Ant 2, Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Take-up Limit (dBm)
Frequency (MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)		Power Spectral Density (dBm/MHz)	
BSF	QPSK	1	0	22.85	22.71	22.85	24.00
BSF	QPSK	64	0	22.85	22.85	22.85	24.00
BSF	QPSK	128	0	22.85	22.91	22.95	24.00



A TE Band 42 (25%) And 6 Full Powers									
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)

A TE Band 42 (25%) And 6 Full Powers									
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)

A TE Band 42 (25%) And 6 Full Powers									
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
UT (State)	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)
IN	Reserve	Reserve	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)	MR (State)

Sampling	Weather	NO. Cars	NO. Staff	Price	Price	Price	
				1.75	2.00	2.50	
				OK / 1.75	OK / 2.00	OK / 2.50	Forecast (off)
General							
				1500.00	1500.00	1500.00	
Forecasting (90%)							
				1750	1750	1750	
90%		0	0	21.07	21.12	21.12	20.00
	90%	0	0	21.08	21.13	21.00	20.00
90%		0	0	20.79	20.97	20.00	20.00

LTE Band 18 Ant 6 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level CR1-Freq	Power Spectrum CR1-Freq	Power Spectrum CR1-Freq	Take-up Limit (dBm)
Frequency (MHz)		Power		Power		Power	
		Power	Power	Power	Power	Power	Power
BS	QPSK	1	0	20.71	20.70	20.68	20.60
BS	QPSK	80	0	20.65	20.65	20.65	20.60
BS	QPSK	128	0	20.65	20.65	20.65	20.60

LTE Band 41 Ant 6 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level CR1-Freq	Power Spectrum CR1-Freq	Power Spectrum CR1-Freq	Take-up Limit (dBm)
Frequency (MHz)		Power		Power		Power	
		Power	Power	Power	Power	Power	Power
BS	QPSK	1	0	21.24	21.60	21.25	21.60
BS	QPSK	80	0	20.65	20.65	20.65	20.60
BS	QPSK	128	0	20.65	20.65	20.65	20.60

LTE Band 41 NPUS Ant 6 Full Power							
BSF Band	Modulation	RS Size	RS Offset	Power Level CR1-Freq	Power Spectrum CR1-Freq	Power Spectrum CR1-Freq	Take-up Limit (dBm)
Frequency (MHz)		Power		Power		Power	
		Power	Power	Power	Power	Power	Power
BS	QPSK	1	0	22.29	22.60	22.73	22.60
BS	QPSK	80	0	22.29	22.29	22.29	22.20
BS	QPSK	128	0	22.29	22.29	22.29	22.20



A1E Band 42 (25G) Ant 3 Full Power									
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00

A1E Band 42 (25G) Ant 3 Full Power									
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00

A1E Band 42 (25G) Ant 3 Full Power									
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
UTM ID	UTM Name	UTM Type	UTM Status	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power	UTM Power
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00
42	Ant 3	Full Power	Full Power	25.00	25.00	25.00	25.00	25.00	25.00



J21-18 And 3 Full Power						
SR (MW)	Reactor	SR (MW)	SR (MW)	Power (MW)	Power (MW)	Power (MW)
Reactor (MW)						
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18

J21-18 And 3 Full Power						
SR (MW)	Reactor	SR (MW)	SR (MW)	Power (MW)	Power (MW)	Power (MW)
Reactor (MW)						
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18

J21-18 And 3 Full Power						
SR (MW)	Reactor	SR (MW)	SR (MW)	Power (MW)	Power (MW)	Power (MW)
Reactor (MW)						
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18
SR	Reactor	1	1	11.18	11.18	11.18

HF81 m13 Ant B Full Power						
SWR [dB]	Modulation	RF Size	RF Offset	Power Low [W / Freq]	Power Middle [W / Freq]	Power High [W / Freq]
Channel						
Frequency [MHz]						
10		1	1		20.00	20.00
10	P12 5P1K	26	14		20.00	20.00
10		93	0		20.07	20.00

i9700 m4, Aps 5 Full Power							
Watt (mW)	Utilization	RR Size	RR Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Temp (C) (mW)
Default							
						2000	
Frequency (MHz)							
100	1	1		225.00			23.00
100	25	14		225.00			23.00
100	0	0		225.00			23.00

eFR1 v0.5, Ant 6, Full Power							
RFW (MHz)	Modulation	PRB Size	PRB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Time-to-Lock (dBm)
Scenario							
Frequency (MHz)				840	840.5	841	
95		1	1	23.50	23.52	23.50	23.40
95	PSK 8PSK	64	24	23.51	23.57	23.53	23.30
95		100	0	23.51	23.40	23.50	23.30



JFBI-02B-0201K-As & Full Power						
Wavelength	Frequency	RF Power	RF Output	Power into Load (dBm)	Power into Load (dBm)	Power into Load (dBm)
Power Amplifier						
10	1000000	1	30.00	30.00	30.00	30.00
10	1000000	10	30.00	30.00	30.00	30.00
10	1000000	100	30.00	30.00	30.00	30.00
10	1000000	1000	30.00	30.00	30.00	30.00

JFBI-02B-0201K-As & Full Power						
Wavelength	Frequency	RF Power	RF Output	Power into Load (dBm)	Power into Load (dBm)	Power into Load (dBm)
Power Amplifier						
10	1000000	1	30.00	30.00	30.00	30.00
10	1000000	10	30.00	30.00	30.00	30.00
10	1000000	100	30.00	30.00	30.00	30.00
10	1000000	1000	30.00	30.00	30.00	30.00



<FR1 n38_Ant 0 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				518000	518000	520000	
Frequency [MHz]				22.26	22.42	22.58	24.00
40	P12 SP5K	1	1	22.26	22.42	22.58	24.00
40		50	78	22.28	22.42	22.50	24.00
40		100	0	22.00	22.22	22.00	23.00

<FR1 n41_Ant 0 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				500000	518000	520000	
Frequency [MHz]				23.15	23.21	23.17	24.00
100	P12 SP5K	1	1	23.15	23.21	23.17	24.00
100		100	89	23.12	23.17	23.14	24.00
100		200	0	23.00	23.00	23.00	24.00

<FR1 n41_HPUE_Ant 0 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				500000	518000	520000	
Frequency [MHz]				26.15	26.22	26.10	27.00
100	P12 SP5K	1	1	26.15	26.22	26.10	27.00
100		100	89	26.07	26.09	26.05	27.00
100		200	0	26.00	26.00	26.00	27.00



Table E.1: List of Aids and Medicines									
Sl. No.	Brand Name	Generic Name	Manufacturer	Strength	Quantity	Unit	Price	Remarks	Remarks
1	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
2	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg
3	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg
4	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg
5	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
6	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg
7	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg
8	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg
9	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg
10	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg

Table E.2: List of Aids and Medicines									
Sl. No.	Brand Name	Generic Name	Manufacturer	Strength	Quantity	Unit	Price	Remarks	Remarks
1	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
2	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg
3	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg
4	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg
5	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
6	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg
7	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg
8	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg
9	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg
10	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg

Table E.3: List of Aids and Medicines									
Sl. No.	Brand Name	Generic Name	Manufacturer	Strength	Quantity	Unit	Price	Remarks	Remarks
1	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg	100 mg
2	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg	200 mg
3	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg	300 mg
4	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg	400 mg
5	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
6	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg	600 mg
7	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg	700 mg
8	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg	800 mg
9	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg	900 mg
10	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg	1000 mg



All India Survey on Blindness									
Sl. No.	State	Year	Population	Blind	Severely Blind	Partially Blind	Low Vision	Unaided	Aided
1	Andhra Pradesh	2019	19,99,465	1,12,345	45,678	66,667	1,12,345	1,12,345	1,12,345
2	Assam	2019	25,77,363	1,23,456	56,789	66,667	1,23,456	1,23,456	1,23,456
3	Bihar	2019	24,24,209	1,34,567	67,890	66,667	1,34,567	1,34,567	1,34,567
4	Chhattisgarh	2019	6,31,297	34,567	17,890	16,677	34,567	34,567	34,567
5	Goa	2019	1,46,477	7,890	3,456	4,434	7,890	7,890	7,890
6	Gujarat	2019	6,04,38,542	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
7	Haryana	2019	2,22,66,612	1,23,456	67,890	55,566	1,23,456	1,23,456	1,23,456
8	Himachal Pradesh	2019	6,91,634	34,567	17,890	16,677	34,567	34,567	34,567
9	Jharkhand	2019	3,23,84,700	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
10	Karnataka	2019	6,05,96,442	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
11	Kerala	2019	3,33,94,744	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
12	Madhya Pradesh	2019	7,26,27,432	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
13	Maharashtra	2019	1,12,34,567	5,67,890	2,89,012	2,78,878	5,67,890	5,67,890	5,67,890
14	Manipur	2019	2,83,746	14,567	7,890	6,677	14,567	14,567	14,567
15	Mizoram	2019	1,09,786	5,678	2,890	2,788	5,678	5,678	5,678
16	Nagaland	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
17	Nar Pradesh	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
18	Odisha	2019	1,27,42,347	6,78,901	3,45,678	3,33,223	6,78,901	6,78,901	6,78,901
19	Punjab	2019	2,75,13,974	1,34,567	67,890	66,677	1,34,567	1,34,567	1,34,567
20	Rajasthan	2019	7,46,86,416	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
21	Sikkim	2019	61,100	3,456	1,789	1,667	3,456	3,456	3,456
22	Tamil Nadu	2019	7,21,47,433	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
23	Telangana	2019	3,61,48,423	1,78,901	89,012	89,889	1,78,901	1,78,901	1,78,901
24	Uttar Pradesh	2019	1,98,26,347	9,87,654	4,90,123	4,97,531	9,87,654	9,87,654	9,87,654
25	West Bengal	2019	9,12,74,265	4,56,789	2,34,567	2,22,222	4,56,789	4,56,789	4,56,789

All India Survey on Blindness									
Sl. No.	State	Year	Population	Blind	Severely Blind	Partially Blind	Low Vision	Unaided	Aided
1	Andhra Pradesh	2019	19,99,465	1,12,345	45,678	66,667	1,12,345	1,12,345	1,12,345
2	Assam	2019	25,77,363	1,23,456	56,789	66,667	1,23,456	1,23,456	1,23,456
3	Bihar	2019	24,24,209	1,34,567	67,890	66,667	1,34,567	1,34,567	1,34,567
4	Chhattisgarh	2019	6,31,297	34,567	17,890	16,677	34,567	34,567	34,567
5	Goa	2019	1,46,477	7,890	3,456	4,434	7,890	7,890	7,890
6	Gujarat	2019	6,04,38,542	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
7	Haryana	2019	2,22,66,612	1,23,456	67,890	55,566	1,23,456	1,23,456	1,23,456
8	Himachal Pradesh	2019	6,91,634	34,567	17,890	16,677	34,567	34,567	34,567
9	Jharkhand	2019	3,23,84,700	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
10	Karnataka	2019	6,05,96,442	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
11	Kerala	2019	3,33,94,744	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
12	Madhya Pradesh	2019	7,26,27,432	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
13	Maharashtra	2019	1,12,34,567	5,67,890	2,89,012	2,78,878	5,67,890	5,67,890	5,67,890
14	Manipur	2019	2,83,746	14,567	7,890	6,677	14,567	14,567	14,567
15	Mizoram	2019	1,09,786	5,678	2,890	2,788	5,678	5,678	5,678
16	Nagaland	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
17	Nar Pradesh	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
18	Odisha	2019	1,27,42,347	6,78,901	3,45,678	3,33,223	6,78,901	6,78,901	6,78,901
19	Punjab	2019	2,75,13,974	1,34,567	67,890	66,677	1,34,567	1,34,567	1,34,567
20	Rajasthan	2019	7,46,86,416	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
21	Sikkim	2019	61,100	3,456	1,789	1,667	3,456	3,456	3,456
22	Tamil Nadu	2019	7,21,47,433	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
23	Telangana	2019	3,61,48,423	1,78,901	89,012	89,889	1,78,901	1,78,901	1,78,901
24	Uttar Pradesh	2019	1,98,26,347	9,87,654	4,90,123	4,97,531	9,87,654	9,87,654	9,87,654
25	West Bengal	2019	9,12,74,265	4,56,789	2,34,567	2,22,222	4,56,789	4,56,789	4,56,789

All India Survey on Blindness									
Sl. No.	State	Year	Population	Blind	Severely Blind	Partially Blind	Low Vision	Unaided	Aided
1	Andhra Pradesh	2019	19,99,465	1,12,345	45,678	66,667	1,12,345	1,12,345	1,12,345
2	Assam	2019	25,77,363	1,23,456	56,789	66,667	1,23,456	1,23,456	1,23,456
3	Bihar	2019	24,24,209	1,34,567	67,890	66,667	1,34,567	1,34,567	1,34,567
4	Chhattisgarh	2019	6,31,297	34,567	17,890	16,677	34,567	34,567	34,567
5	Goa	2019	1,46,477	7,890	3,456	4,434	7,890	7,890	7,890
6	Gujarat	2019	6,04,38,542	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
7	Haryana	2019	2,22,66,612	1,23,456	67,890	55,566	1,23,456	1,23,456	1,23,456
8	Himachal Pradesh	2019	6,91,634	34,567	17,890	16,677	34,567	34,567	34,567
9	Jharkhand	2019	3,23,84,700	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
10	Karnataka	2019	6,05,96,442	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
11	Kerala	2019	3,33,94,744	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
12	Madhya Pradesh	2019	7,26,27,432	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
13	Maharashtra	2019	1,12,34,567	5,67,890	2,89,012	2,78,878	5,67,890	5,67,890	5,67,890
14	Manipur	2019	2,83,746	14,567	7,890	6,677	14,567	14,567	14,567
15	Mizoram	2019	1,09,786	5,678	2,890	2,788	5,678	5,678	5,678
16	Nagaland	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
17	Nar Pradesh	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
18	Odisha	2019	1,27,42,347	6,78,901	3,45,678	3,33,223	6,78,901	6,78,901	6,78,901
19	Punjab	2019	2,75,13,974	1,34,567	67,890	66,677	1,34,567	1,34,567	1,34,567
20	Rajasthan	2019	7,46,86,416	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
21	Sikkim	2019	61,100	3,456	1,789	1,667	3,456	3,456	3,456
22	Tamil Nadu	2019	7,21,47,433	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
23	Telangana	2019	3,61,48,423	1,78,901	89,012	89,889	1,78,901	1,78,901	1,78,901
24	Uttar Pradesh	2019	1,98,26,347	9,87,654	4,90,123	4,97,531	9,87,654	9,87,654	9,87,654
25	West Bengal	2019	9,12,74,265	4,56,789	2,34,567	2,22,222	4,56,789	4,56,789	4,56,789

All India Survey on Blindness									
Sl. No.	State	Year	Population	Blind	Severely Blind	Partially Blind	Low Vision	Unaided	Aided
1	Andhra Pradesh	2019	19,99,465	1,12,345	45,678	66,667	1,12,345	1,12,345	1,12,345
2	Assam	2019	25,77,363	1,23,456	56,789	66,667	1,23,456	1,23,456	1,23,456
3	Bihar	2019	24,24,209	1,34,567	67,890	66,667	1,34,567	1,34,567	1,34,567
4	Chhattisgarh	2019	6,31,297	34,567	17,890	16,677	34,567	34,567	34,567
5	Goa	2019	1,46,477	7,890	3,456	4,434	7,890	7,890	7,890
6	Gujarat	2019	6,04,38,542	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
7	Haryana	2019	2,22,66,612	1,23,456	67,890	55,566	1,23,456	1,23,456	1,23,456
8	Himachal Pradesh	2019	6,91,634	34,567	17,890	16,677	34,567	34,567	34,567
9	Jharkhand	2019	3,23,84,700	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
10	Karnataka	2019	6,05,96,442	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
11	Kerala	2019	3,33,94,744	1,67,890	89,012	78,878	1,67,890	1,67,890	1,67,890
12	Madhya Pradesh	2019	7,26,27,432	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
13	Maharashtra	2019	1,12,34,567	5,67,890	2,89,012	2,78,878	5,67,890	5,67,890	5,67,890
14	Manipur	2019	2,83,746	14,567	7,890	6,677	14,567	14,567	14,567
15	Mizoram	2019	1,09,786	5,678	2,890	2,788	5,678	5,678	5,678
16	Nagaland	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
17	Nar Pradesh	2019	1,98,263	9,876	4,901	4,975	9,876	9,876	9,876
18	Odisha	2019	1,27,42,347	6,78,901	3,45,678	3,33,223	6,78,901	6,78,901	6,78,901
19	Punjab	2019	2,75,13,974	1,34,567	67,890	66,677	1,34,567	1,34,567	1,34,567
20	Rajasthan	2019	7,46,86,416	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
21	Sikkim	2019	61,100	3,456	1,789	1,667	3,456	3,456	3,456
22	Tamil Nadu	2019	7,21,47,433	3,45,678	1,78,901	1,66,777	3,45,678	3,45,678	3,45,678
23	Telangana	2019	3,61,48,423	1,78,901	89,012	89,889	1,78,901	1,78,901	1,78,901
24	Uttar Pradesh	2019	1,98,26,347	9,87,654	4,90,123	4,97,531	9,87,654	9,87,654	9,87,654
25	West Bengal	2019	9,12,74,265	4,56,789	2,34,567	2,22,222	4,56,789	4,56,789	4,56,789

Est. [Hz]	Modulation	RF Power	RF (dBm)	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Source (Link) (dBm)
Channel							
Frequency (MHz)							
40		0	0	-10.00	-10.00	-10.00	-10.00
40	100 MHz	10	0	-10.00	-10.00	-10.00	-10.00
40		100	0	-10.00	-10.00	-10.00	-10.00
40		1000	0	-10.00	-10.00	-10.00	-10.00

SW (MHz)	Modulation	RF Band	RF Channel	Power Low Ch. / (Watt)	Power Max Ch. / (Watt)	Power High Ch. / (Watt)	Turn-on (sec)
Channel							
Frequency (MHz)					1.500-2.000		
96	PSK 40KHz	1	1		25.00		250.00
96		96	96		25.00		250.00
96		192	2		25.00		250.00



<FR1 n38_Ant 1 Full Power>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				518000	518000	520000	
Frequency [MHz]							
40	PI2 BPSK	1	1	23.03	23.14	23.02	24.00
40		50	78	23.05	23.11	23.05	24.00
40		100	0	23.05	23.04	22.80	24.00

<FR1 n41_Ant 1 Full Power>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	510000	520000	
Frequency [MHz]							
100	PI2 BPSK	1	1	23.05	23.15	23.04	24.00
100		100	89	22.97	23.04	22.87	24.00
100		200	0	23.00	23.00	23.14	24.00

<FR1 n41_HPUE_Ant 1 Full Power>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	510000	520000	
Frequency [MHz]							
100	PI2 BPSK	1	1	23.06	23.16	23.02	27.00
100		100	89	23.07	23.05	23.00	27.00
100		200	0	23.00	23.00	23.14	27.00



Table E.1: Summary of the data for the first group									
Group	Age	Gender	Height	Weight	BMI	SBP	DBP	HR	ECG
1	25	M	175	75	24.5	120	80	75	Normal
2	30	F	160	60	23.8	110	75	70	Normal
3	35	M	170	70	24.2	115	78	72	Normal
4	40	F	165	65	23.9	112	76	71	Normal
5	45	M	172	72	24.3	118	79	73	Normal
6	50	F	168	68	24.1	114	77	72	Normal
7	55	M	174	74	24.4	120	80	75	Normal
8	60	F	162	62	23.7	110	75	70	Normal
9	65	M	170	70	24.2	115	78	72	Normal
10	70	F	165	65	23.9	112	76	71	Normal

Table E.2: Summary of the data for the second group									
Group	Age	Gender	Height	Weight	BMI	SBP	DBP	HR	ECG
1	25	M	175	75	24.5	120	80	75	Normal
2	30	F	160	60	23.8	110	75	70	Normal
3	35	M	170	70	24.2	115	78	72	Normal
4	40	F	165	65	23.9	112	76	71	Normal
5	45	M	172	72	24.3	118	79	73	Normal
6	50	F	168	68	24.1	114	77	72	Normal
7	55	M	174	74	24.4	120	80	75	Normal
8	60	F	162	62	23.7	110	75	70	Normal
9	65	M	170	70	24.2	115	78	72	Normal
10	70	F	165	65	23.9	112	76	71	Normal

Table E.3: Summary of the data for the third group									
Group	Age	Gender	Height	Weight	BMI	SBP	DBP	HR	ECG
1	25	M	175	75	24.5	120	80	75	Normal
2	30	F	160	60	23.8	110	75	70	Normal
3	35	M	170	70	24.2	115	78	72	Normal
4	40	F	165	65	23.9	112	76	71	Normal
5	45	M	172	72	24.3	118	79	73	Normal
6	50	F	168	68	24.1	114	77	72	Normal
7	55	M	174	74	24.4	120	80	75	Normal
8	60	F	162	62	23.7	110	75	70	Normal
9	65	M	170	70	24.2	115	78	72	Normal
10	70	F	165	65	23.9	112	76	71	Normal

Table E.4: Summary of the data for the fourth group									
Group	Age	Gender	Height	Weight	BMI	SBP	DBP	HR	ECG
1	25	M	175	75	24.5	120	80	75	Normal
2	30	F	160	60	23.8	110	75	70	Normal
3	35	M	170	70	24.2	115	78	72	Normal
4	40	F	165	65	23.9	112	76	71	Normal
5	45	M	172	72	24.3	118	79	73	Normal
6	50	F	168	68	24.1	114	77	72	Normal
7	55	M	174	74	24.4	120	80	75	Normal
8	60	F	162	62	23.7	110	75	70	Normal
9	65	M	170	70	24.2	115	78	72	Normal
10	70	F	165	65	23.9	112	76	71	Normal

Table E.5: Summary of the data for the fifth group									
Group	Age	Gender	Height	Weight	BMI	SBP	DBP	HR	ECG
1	25	M	175	75	24.5	120	80	75	Normal
2	30	F	160	60	23.8	110	75	70	Normal
3	35	M	170	70	24.2	115	78	72	Normal
4	40	F	165	65	23.9	112	76	71	Normal
5	45	M	172	72	24.3	118	79	73	Normal
6	50	F	168	68	24.1	114	77	72	Normal
7	55	M	174	74	24.4	120	80	75	Normal
8	60	F	162	62	23.7	110	75	70	Normal
9	65	M	170	70	24.2	115	78	72	Normal
10	70	F	165	65	23.9	112	76	71	Normal



<FR1 n38_Ant 2_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				518000	518000	520000	
Frequency [MHz]				23.90	23.90	24.00	24.00
40	PI2 SP3K	1	1	23.90	23.90	23.95	24.00
40		50	78	23.88	23.90	23.90	24.00
40		100	0	23.90	23.94	23.98	24.00

<FR1 n41_Ant 2_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	518000	520000	
Frequency [MHz]				23.84	23.90	24.00	24.00
100	PI2 SP3K	1	1	23.84	23.90	23.90	24.00
100		100	89	23.83	23.88	23.91	24.00
100		200	0	23.90	23.97	23.98	24.00

<FR1 n41_HPUE_Ant 2_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	518000	520000	
Frequency [MHz]				23.84	23.90	24.00	27.00
100	PI2 SP3K	1	1	23.84	23.90	23.90	27.00
100		100	89	23.81	23.88	23.89	27.00
100		200	0	23.90	23.98	23.97	27.00



<FR1 n48_Ant 4_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.36	19.65	19.46	21.00
40		50	28	19.29	19.42	19.39	21.00
40		100	0	19.10	19.39	19.19	21.00



<FR1 n48_Ant 5_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	22.81	23.00	22.84	
40		50	28	22.70	22.93	22.79	24.00
40		100	6	22.72	22.78	22.77	24.00



<FR1 n7_Ant 6_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	Pi/2 BPSK	1	1	20.72	20.99	20.85	
50		135	68	20.80	20.93	21.03	22.00
50		270	0	20.43	20.79	20.61	22.00



<FR1 n38_Ant 6 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				518000	518050	520000	
Frequency [MHz]				21.60	21.63	21.66	23.00
40	P12 BPSK	1	1	21.62	21.62	21.63	23.00
40		50	78	21.49	21.55	21.62	23.00
40		100	0	21.52	21.59	21.62	23.00

<FR1 n41_Ant 6 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	510000	520000	
Frequency [MHz]				23.25	23.25	23.25	24.00
100	P12 BPSK	1	1	23.25	23.25	23.25	24.00
100		100	89	22.98	23.01	23.05	24.00
100		200	0	22.87	22.91	23.04	24.00

<FR1 n41_HPUE_Ant 6 Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Limit (dBm)
Channel				509000	510000	520000	
Frequency [MHz]				23.25	23.25	23.25	27.00
100	P12 BPSK	1	1	23.24	23.24	23.25	27.00
100		100	89	23.59	23.67	23.65	27.00
100		200	0	24.68	24.77	24.92	26.50

<FR1 n48_Ant 7_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	24.00
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	23.15	23.23	23.10	
40		50	28	23.15	23.26	23.14	
40		100	0	23.15	23.27	23.15	



<FR1 n48_Ant 8_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	24.41	24.64	24.51	25.00
40		50	28	24.18	24.48	24.31	25.00
40		100	0	24.28	24.48	24.34	25.00

<GSM>

GSM850_Ant 0_DSI 2	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency(MHz)	824.2	835.4	846.6		824.2	835.4	846.6	
GPRS 1 Tx slot	31.60	31.79	31.78	33.50	22.60	22.79	22.78	24.50
GPRS 4 Tx slots	26.74	26.89	26.86	28.50	23.74	23.89	23.86	25.50

<WCDMA>

Band		WCDMA IV_Ant 2_DSI 2			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Frequency(MHz)		1712.4	1732.6	1752.6	
SCPP Ref 99	RMC 12.2Kbps	22.92	22.97	22.88	24.00

<LTE Band 2_Ant 6_DSI 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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.12	19.44	19.27	
20		50	0	19.04	19.44	19.15	
20		100	0	19.03	19.35	19.06	

<LTE Band 25_Ant 6_DSI 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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.19	21.25	21.23	
20		50	0	21.13	21.16	21.09	
20		100	0	21.21	21.17	21.16	

<LTE Band 4_Ant 1_DSI 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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.69	16.83	16.78	
20		50	0	16.76	16.79	16.54	17.60
20		100	0	16.73	16.68	16.58	17.60

<LTE Band 66_Ant 1_DSI 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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.82	16.95	16.87	
20		50	0	16.79	16.82	16.70	17.60
20		100	0	16.78	16.84	16.75	17.60

<LTE Band 42 (27Q)_Ant 5 DSI 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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.13	22.30	22.27	
20		50	0	22.04	22.21	22.14	23.70
20		100	0	22.09	22.20	22.13	23.70

<LTE Band 42 (27Q)_Ant 7_DSI 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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.42	22.51	22.48	
20		50	0	22.39	22.43	22.43	24.00
20		100	0	22.33	22.39	22.35	24.00

<FR1 n48_Ant 4_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	17.35	17.40	17.29	
40		50	28	17.23	17.61	17.21	18.00
40		100	0	17.32	17.29	17.25	18.00

<FR1 n48_Ant 5_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	20.77	20.82	20.73	21.20
40		50	28	20.59	20.71	20.65	21.20
40		100	0	20.73	20.66	20.69	21.20

<FR1 n48_Ant 5_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	19.99	20.58	20.02	20.90
40		50	28	19.90	19.95	19.84	20.90
40		100	0	19.89	20.02	19.95	20.90

<FR1 n48_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	24.41	24.64	24.51	25.00
40		50	28	24.18	24.48	24.31	25.00
40		100	0	24.26	24.48	24.34	25.00

<GSM>

GSM850_Ant 0_DSI 3	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency(MHz)	824.2	835.4	846.6		824.2	835.4	846.6	
GPRS 1 Tx slot	31.60	31.79	31.78	33.10	22.60	22.79	22.78	24.50
GPRS 4 Tx slots	26.24	26.39	26.36	28.10	23.24	23.39	23.36	25.50

<LTE Band 2_Ant 1_DSI 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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.98	16.05	15.97	
20		50	0	15.90	15.97	15.92	16.40
20		100	0	15.91	15.92	15.87	16.40

<LTE Band 25_Ant 1_DSI 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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.93	16.10	16.02	
20		50	0	15.88	16.00	15.98	16.40
20		100	0	15.93	16.01	15.97	16.40



LTE Band 42 (2500 - 2690 MHz)									
Frequency (MHz)	Bandwidth (MHz)	Channel Number	Channel Bandwidth (MHz)	Center Frequency (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
2500	10	1	10	2500	-10	-10	-10	-10	-10
2510	10	2	10	2510	-10	-10	-10	-10	-10
2520	10	3	10	2520	-10	-10	-10	-10	-10
2530	10	4	10	2530	-10	-10	-10	-10	-10
2540	10	5	10	2540	-10	-10	-10	-10	-10
2550	10	6	10	2550	-10	-10	-10	-10	-10
2560	10	7	10	2560	-10	-10	-10	-10	-10
2570	10	8	10	2570	-10	-10	-10	-10	-10
2580	10	9	10	2580	-10	-10	-10	-10	-10
2590	10	10	10	2590	-10	-10	-10	-10	-10

LTE Band 42 (2500 - 2690 MHz)									
Frequency (MHz)	Bandwidth (MHz)	Channel Number	Channel Bandwidth (MHz)	Center Frequency (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
2500	10	1	10	2500	-10	-10	-10	-10	-10
2510	10	2	10	2510	-10	-10	-10	-10	-10
2520	10	3	10	2520	-10	-10	-10	-10	-10
2530	10	4	10	2530	-10	-10	-10	-10	-10
2540	10	5	10	2540	-10	-10	-10	-10	-10
2550	10	6	10	2550	-10	-10	-10	-10	-10
2560	10	7	10	2560	-10	-10	-10	-10	-10
2570	10	8	10	2570	-10	-10	-10	-10	-10
2580	10	9	10	2580	-10	-10	-10	-10	-10
2590	10	10	10	2590	-10	-10	-10	-10	-10

LTE Band 42 (2500 - 2690 MHz)									
Frequency (MHz)	Bandwidth (MHz)	Channel Number	Channel Bandwidth (MHz)	Center Frequency (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
2500	10	1	10	2500	-10	-10	-10	-10	-10
2510	10	2	10	2510	-10	-10	-10	-10	-10
2520	10	3	10	2520	-10	-10	-10	-10	-10
2530	10	4	10	2530	-10	-10	-10	-10	-10
2540	10	5	10	2540	-10	-10	-10	-10	-10
2550	10	6	10	2550	-10	-10	-10	-10	-10
2560	10	7	10	2560	-10	-10	-10	-10	-10
2570	10	8	10	2570	-10	-10	-10	-10	-10
2580	10	9	10	2580	-10	-10	-10	-10	-10
2590	10	10	10	2590	-10	-10	-10	-10	-10

LTE Band 42 (2500 - 2690 MHz)									
Frequency (MHz)	Bandwidth (MHz)	Channel Number	Channel Bandwidth (MHz)	Center Frequency (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
2500	10	1	10	2500	-10	-10	-10	-10	-10
2510	10	2	10	2510	-10	-10	-10	-10	-10
2520	10	3	10	2520	-10	-10	-10	-10	-10
2530	10	4	10	2530	-10	-10	-10	-10	-10
2540	10	5	10	2540	-10	-10	-10	-10	-10
2550	10	6	10	2550	-10	-10	-10	-10	-10
2560	10	7	10	2560	-10	-10	-10	-10	-10
2570	10	8	10	2570	-10	-10	-10	-10	-10
2580	10	9	10	2580	-10	-10	-10	-10	-10
2590	10	10	10	2590	-10	-10	-10	-10	-10

LTE Band 18, Ant 6, CSI 3							
BSF (MHz)	Modulation	RS Size	RS Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Time up Limit (sec)
Frequency (MHz)		RS Size		Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	
BS	QPSK	1	0	20.00	20.71	20.00	22.00
BS		64	0	20.71	21.00	20.71	24.00
BS		128	0	20.00	20.00	20.00	22.00

LTE Band 41, Ant 6, CSI 3							
BSF (MHz)	Modulation	RS Size	RS Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Time up Limit (sec)
Frequency (MHz)		RS Size		Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	
BS	QPSK	1	0	21.00	21.91	21.00	22.00
BS		64	0	20.71	21.00	20.71	24.00
BS		128	0	20.00	20.37	20.00	22.00

LTE Band 41, NPUS, Ant 6, CSI 3							
BSF (MHz)	Modulation	RS Size	RS Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Time up Limit (sec)
Frequency (MHz)		RS Size		Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	
BS	QPSK	1	0	22.01	22.00	22.00	24.00
BS		64	0	22.71	22.00	22.71	24.00
BS		128	0	22.71	22.71	22.71	24.00

<LTE Band 42 (27Q) Ant 7_DSI 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				42190	42890	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.86	20.90	20.81	
20		50	0	20.68	20.82	20.72	22.30
20		100	0	20.69	20.83	20.75	22.30



<FR1 n38_Ant 2 OSI 3>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518000	520000	
Frequency [MHz]							
40	PI2 SP3K	1	1	21.40	21.40	21.38	22.30
40		50	78	21.24	21.35	21.40	22.30
40		100	0	21.42	21.30	21.43	22.30

<FR1 n41_Ant 2 OSI 3>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				209200	209088	208000	
Frequency [MHz]							
100	PI2 SP3K	1	1	21.42	21.40	21.42	22.30
100		100	89	21.32	21.39	21.38	22.30
100		200	0	21.30	21.37	21.41	22.30

<FR1 n41_HPUE_Ant 2 OSI 3>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				208000	208000	208000	
Frequency [MHz]							
100	PI2 SP3K	1	1	24.40	24.40	24.39	25.30
100		100	89	24.38	24.45	24.51	25.30
100		200	0	24.31	24.39	24.42	25.30

<FR1 n48_Ant 4_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	18.33	18.53	18.50	20.50
40		50	28	18.21	18.16	18.34	20.50
40		100	0	18.01	18.10	18.26	20.50

<FR1 n48_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.33	22.49	22.40	24.10
40		50	28	25.30	25.46	25.41	24.10
40		100	0	25.33	25.43	25.39	24.10

<FR1 n48_Ant 8_DSI 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				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.88	19.92	19.86	20.50
40		50	28	19.77	19.85	19.81	20.50
40		100	0	19.74	19.79	19.71	20.50

<LTE Band 42 (27Q)_Ant 5_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.02	23.17	23.07	
20		50	0	22.90	23.06	22.92	24.00
20		100	0	22.74	22.89	22.85	24.00

LTE Band 18, Ant 6, CSI 6+							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 (Freq)	Power Level Ch. 2 (Freq)	Power Level Ch. 3 (Freq)	Time up Limit (sec)
Frequency (MHz)		Power		Power	Power	Power	
		Power	Power	Power	Power	Power	
BS	QPSK	1	0	20.71	20.70	20.68	20.60
BS		8	0	20.65	20.63	20.60	20.50
BS		128	0	20.45	20.30	20.20	20.00

LTE Band 41, Ant 6, CSI 6+							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 (Freq)	Power Level Ch. 2 (Freq)	Power Level Ch. 3 (Freq)	Time up Limit (sec)
Frequency (MHz)		Power		Power	Power	Power	
		Power	Power	Power	Power	Power	
BS	QPSK	1	0	21.24	21.00	21.20	21.00
BS		8	0	20.70	20.60	20.60	20.50
BS		128	0	20.20	20.40	20.47	20.50

LTE Band 41, NPUS, Ant 6, CSI 6+							
BSF Band	Modulation	RS Size	RS Offset	Power Level Ch. 1 (Freq)	Power Level Ch. 2 (Freq)	Power Level Ch. 3 (Freq)	Time up Limit (sec)
Frequency (MHz)		Power		Power	Power	Power	
		Power	Power	Power	Power	Power	
BS	QPSK	1	0	22.20	22.00	22.70	22.00
BS		8	0	22.00	22.00	22.10	22.00
BS		128	0	20.70	20.17	20.30	20.00



<FR1 n38_Ant 0 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				21.66	21.67	21.68	
40	PI2 SP5K	1	1	22.26	22.40	22.31	24.00
40		50	38	22.28	22.42	22.30	24.00
40		100	0	22.03	22.22	22.06	23.00

<FR1 n38_Ant 1 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				21.66	21.67	21.68	
40	PI2 SP5K	1	1	21.58	21.74	21.58	22.80
40		50	38	21.41	21.57	21.52	22.80
40		100	0	21.43	21.59	21.60	22.80

<FR1 n41_Ant 0 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				23.16	23.17	23.17	
100	PI2 SP5K	1	1	23.16	23.21	23.17	24.00
100		135	69	23.12	23.17	23.14	24.00
100		270	0	23.01	23.06	23.01	24.00

<FR1 n41_Ant 1 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				23.66	23.67	23.68	
100	PI2 SP5K	1	1	21.65	21.70	21.67	22.80
100		135	69	21.55	21.75	21.65	22.80
100		270	0	21.60	21.67	21.63	22.80

<FR1 n41_HPUE_Ant 0 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				23.66	23.67	23.68	
100	PI2 SP5K	1	1	24.10	24.22	24.10	27.00
100		135	69	23.97	24.03	23.93	27.00
100		270	0	23.86	23.92	23.88	27.00

<FR1 n41_HPUE_Ant 1 DSI 6>							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up Limit (dBm)
Channel				518000	518050	518100	
Frequency [MHz]				24.66	24.67	24.68	
100	PI2 SP5K	1	1	24.50	24.60	24.50	25.80
100		135	69	24.49	24.60	24.48	25.80
100		270	0	24.37	24.60	24.37	25.80

<FR1 n2_Ant 2_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	Pi/2 BPSK	1	1	22.22	22.34	22.20	24.00
40		108	54	22.24	22.29	22.28	24.00
40		216	0	22.00	22.20	21.97	24.00

<FR1 n25_Ant 2_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	Pi/2 BPSK	1	1	22.43	22.49	22.33	24.00
40		108	54	22.41	22.43	22.30	24.00
40		216	0	22.19	22.33	22.17	24.00

<FR1 n48_Ant 4_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P1/2 BPSK	1	1	19.36	19.75	19.46	
40		50	28	19.29	19.42	19.39	21.00
40		100	0	19.40	19.72	19.59	20.80

<FR1 n48_Ant 5_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P1/2 BPSK	1	1	20.33	20.44	20.40	
40		50	28	20.27	20.36	20.28	22.20
40		100	0	20.23	20.37	20.27	22.20

<FR1 n48_Ant 7_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P1/2 BPSK	1	1	23.15	23.23	23.10	
40		50	28	23.15	23.26	23.14	24.00
40		100	0	23.15	23.27	23.15	24.00

<FR1 n48_Ant 8_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P1/2 BPSK	1	1	19.88	19.92	19.86	
40		50	28	19.77	19.85	19.81	20.50
40		100	0	19.74	19.79	19.71	20.50

<GSM>

GSM850_Ant 0_DSI 7	Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency(MHz)	824.2	835.4	846.6		824.2	835.4	846.6	
GPRS 1 Tx slot	31.60	31.79	31.78	33.10	22.60	22.79	22.78	24.50
GPRS 4 Tx slots	26.24	26.39	26.36	28.10	23.24	23.39	23.36	25.50

<LTE Band 42 (27Q)_Ant 5_DSI7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.08	20.12	20.10	
20		50	0	20.06	20.07	19.99	21.30
20		100	0	20.04	19.94	20.03	21.30

<LTE Band 2_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.12	19.44	19.27	
20		50	0	19.04	19.44	19.15	
20		100	0	19.03	19.35	19.06	

<LTE Band 25_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.03	19.18	19.12	
20		50	0	18.98	19.14	19.02	
20		100	0	19.01	19.07	19.07	

<LTE Band 42 (27Q), Ant 7, DSI 7>

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.86	20.90	20.81	
20		50	0	20.68	20.62	20.72	
20		100	0	20.69	20.83	20.75	

<FR1 n7_Ant 1 DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up Limit (dbm)
				Low Ch / Freq	Middle Ch / Freq	High Ch / Freq	
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	Pi/2 BPSK	1	1	17.28	17.45	17.34	
50		135	68	17.24	17.40	17.19	
50		270	0	17.20	17.35	17.23	

<FR1 n66_Ant 2_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	Pi/2 BPSK	1	1	18.28	18.45	18.30	
45		120	60	18.26	18.41	18.16	
45		240	0	18.16	18.38	18.11	

<FR1 n48_Ant 4_DIS 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	18.33	18.53	18.50	20.50
40		50	28	18.21	18.16	18.34	20.50
40		100	0	18.01	18.10	18.26	20.50

<FR1 n48_Ant 5_DIS 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	18.86	18.92	19.90	20.20
40		50	28	18.85	18.83	18.78	20.20
40		100	0	18.71	18.71	18.67	20.20

<FR1 n48_Ant 7_DIS 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	18.92	19.23	19.16	21.00
40		50	28	18.99	19.00	18.94	21.00
40		100	0	18.90	18.94	18.96	21.00

<FR1 n48_Ant 8_DIS 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	Pi/2 BPSK	1	1	19.52	19.61	19.57	19.80
40		50	28	19.50	19.47	19.52	19.80
40		100	0	19.45	19.45	19.25	19.80

<5.8GHz WLAN_Ant 4+5_DSI 2>

5.8GHz WLAN_Ant 4+5_DSI 2			Ant 4		Ant 5		Ant 4+5		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	157	5785	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	165	5825	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11n-HT20 MCS0	149	5745	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	157	5785	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	165	5825	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11n-HT40 MCS0	151	5755	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	159	5795	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	149	5745	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11ac-VHT20 MCS0	157	5785	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	165	5825	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	151	5755	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11ac-VHT40 MCS0	159	5795	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
802.11ac-VHT80 MCS0	155	5775	16.23	18.00	17.89	19.50	20.25	21.80	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	157	5785	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	165	5825	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11ax-HE40 MCS0	151	5755	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	159	5795	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	155	5775	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11ax-HE80 MCS0	149	5745	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
802.11be-EHT20 MCS0	157	5785	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
	165	5825	Not Required	18.00	Not Required	19.50	Not Required	21.80	
	151	5755	Not Required	18.00	Not Required	19.50	Not Required	21.80	
802.11be-EHT40 MCS0	159	5795	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required
802.11be-EHT80 MCS0	155	5775	Not Required	18.00	Not Required	19.50	Not Required	21.80	Not Required

<2.4GHz WLAN_Ant 3+6_DSI 2>

2.4GHz WLAN_Ant 3+6_DSI 2			Ant 3		Ant 6		Ant 3+6		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	19.51	20.50	20.05	21.00	22.80	23.80	97.65
	6	2437	19.33	20.50	19.75	21.00	22.56	23.80	
	11	2462	19.46	20.50	19.97	21.00	22.71	23.80	

<5.8GHz WLAN_Ant 4+5_DSI 3&DSI7>

5.8GHz WLAN_Ant 4+5_DSI 3			Ant 4		Ant 5		Ant 4+5		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	157	5785	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	165	5825	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11n-HT20 MCS0	149	5745	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	157	5785	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	165	5825	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11n-HT40 MCS0	151	5755	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	159	5795	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	149	5745	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11ac-VHT20 MCS0	157	5785	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	165	5825	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	151	5755	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11ac-VHT40 MCS0	159	5795	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
802.11ac-VHT80 MCS0	155	5775	14.58	15.50	15.91	17.00	18.45	19.30	99.63
802.11ax-HE20 MCS0	149	5745	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	157	5785	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	165	5825	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11ax-HE40 MCS0	151	5755	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	159	5795	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	155	5775	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11ax-HE80 MCS0	149	5745	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	157	5785	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	165	5825	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11be-EHT20 MCS0	151	5755	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required
	159	5795	Not Required	15.50	Not Required	17.00	Not Required	19.30	
	155	5775	Not Required	15.50	Not Required	17.00	Not Required	19.30	
802.11be-EHT40 MCS0	155	5775	Not Required	15.50	Not Required	17.00	Not Required	19.30	Not Required

<2.4GHz WLAN_Ant 3+6_DSI 3&7>

2.4GHz WLAN_Ant 3+6_DSI 3			Ant 3		Ant 6		Ant 3+6		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	18.31	20.00	18.82	20.50	21.61	23.30	97.66
	6	2437	18.19	20.00	18.73	20.50	21.47	23.30	
	11	2462	18.13	20.00	18.60	20.50	21.38	23.30	



<5.8GHz WLAN_Ant 4+5_DSI 6>									
S:\Store\WLAN_Ant 4+5_DSI 6									
Mode	Channel	Frequency (MHz)	Ant 4		Ant 5		Ant 4+5		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a 6Mbps	100	5600	17.19	19.00	17.29	19.00	20.25	22.00	99.15
	116	5680	16.34	19.00	17.76	19.00	20.12	21.50	
	134	5650	15.94	17.50	16.40	19.00	19.19	20.80	
	152	5660	16.03	17.50	16.36	19.00	19.21	20.80	
	140	5700	16.12	17.50	17.89	19.50	20.10	21.50	
	144	5720	16.78	20.50	20.16	22.00	22.46	24.50	

<5.8GHz WLAN_Ant 4+5_DSI 6>											
S:\Store\WLAN_Ant 4+5_DSI 6											
Mode	Channel	Frequency (MHz)	Ant 4		Ant 5		Ant 4+5		Power Setting	Duty Cycle %	
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit			
802.11a 6Mbps	149	5745	19.43	21.00	20.81	22.50	23.18	24.80	20.75	99.15	
	157	5789	19.25	21.00	20.46	22.00	22.91	24.50	20.75		
	165	5655	19.80	21.00	20.91	22.00	23.40	25.00	20.75		
802.11n-HT20 MCS0	149	5745	19.68	21.00	20.95	22.50	23.37	24.80	20.50	99.76	
	157	5789	19.43	21.00	20.64	22.00	23.09	24.50	20.50		
	165	5655	19.83	21.00	21.22	23.00	23.59	25.10	20.50		

<2.4GHz WLAN_Ant 3+6_DSI 6>

2.4GHz WLAN_Ant 3+6_DSI 6			Ant 3		Ant 6		Ant 3+6		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	23.01	24.50	23.47	25.00	26.25	27.80	97.65
	6	2437	22.22	23.50	22.71	24.50	25.49	27.00	
	11	2462	22.68	23.50	23.73	24.50	26.21	27.00	

<Bluetooth_Ant 3_Full Power&DSI2&3&6&7>

Bluetooth_Ant 3_Full Power			Ant 3		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.19	18.50	76.83
	39	2441	18.79	20.00	
	78	2480	16.90	18.50	

<Bluetooth_Ant 6_Full Power&DSI2&3&6&7>					
Bluetooth_Ant 6_Full Power			Ant 6		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	15.71	17.50	76.83
	39	2441	19.35	21.00	
	78	2480	18.76	20.50	
BR / EDR 2Mbps	0	2402	13.06	14.50	76.80
	39	2441	17.23	19.00	
	78	2480	16.21	18.00	
BR / EDR 3Mbps	0	2402	13.08	14.50	76.93
	39	2441	17.22	19.00	
	78	2480	16.26	18.00	
LE 125kbps	0	2402	12.45	14.00	82.55
	19	2440	13.83	15.50	
	39	2480	12.47	14.00	
LE 500kbps	0	2402	12.59	14.50	56.86
	19	2440	13.92	15.50	
	39	2480	12.58	14.50	
LE 1Mbps	0	2402	12.50	14.50	61.95
	19	2440	13.83	15.50	
	39	2480	12.51	14.50	
LE 2Mbps	0	2402	12.61	14.50	32.25
	19	2440	13.94	15.50	
	39	2480	12.61	14.50	
BT6.0 GFSK 1Mbps	2	2404	11.29	13.00	28.48
	38	2440	12.17	14.00	
	76	2478	11.01	13.00	
BT6.0 GFSK 2Mbps	2	2404	11.15	13.00	15.52
	38	2440	12.06	14.00	
	76	2478	10.91	12.50	
BT6.0 ASK 1Mbps	2	2404	14.70	16.50	7.36
	38	2440	15.48	17.00	
	76	2478	14.30	16.00	

				Ant 5 Full		Ant 4 Full		Ant 5+4 Full		Ant 5 Head		Ant 4 Head		Ant 5+4 Head		Ant 5 Body&Extremity		Ant 4 Body&Extremity		Ant 5+4 Body&Extremity		Duty Cycle %
WIFI6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11be-EHT320 MCS0	31	6105	17.08	18.50	16.51	18.00	19.81	21.30	15.31	16.00	14.21	15.50	17.81	18.80	16.78	18.00	16.21	17.50	18.51	20.80	99.64
		63	6305	15.97	17.00	14.96	16.00	18.50	19.50	15.77	16.00	14.16	15.50	17.70	18.80	16.77	17.00	15.16	16.00	16.70	19.50	
		95	6425	16.58	18.00	15.78	17.00	19.21	20.50	14.78	16.00	13.98	15.00	17.41	18.50	16.78	18.00	15.98	17.00	19.41	20.50	
		127	6545	18.03	19.50	16.72	18.00	20.43	21.80	14.73	16.00	13.42	15.00	17.13	18.50	16.73	18.00	15.42	16.50	19.13	20.30	
		159	6745	17.01	18.50	15.08	16.50	19.16	20.60	15.34	16.00	13.78	15.00	17.64	18.50	17.21	18.50	15.28	16.50	19.38	20.60	
		191	6905	16.53	18.00	14.97	16.00	18.83	20.10	15.14	16.00	14.17	15.00	17.69	18.80	16.73	18.00	15.17	16.00	18.00	20.10	

HFRI n25, Ant 116, Full Power

RFI (MHz)	Modulation	RF Size	RF Offset	Transmit LNA CA 17.5dB	Transmit PA/PA CA 17.5dB	Transmit HP CA 17.5dB	Transmit LNA CA 17.5dB
Frequency (MHz)							
40	Frequency (MHz)	1	1	25.10	25.10	25.10	25.10
40	1	1	1	25.07	25.07	25.06	25.07
40	1	1	1	25.04	25.04	25.03	25.04
40	1	1	1	25.01	25.01	25.00	25.01
40	1	1	1	24.98	24.98	24.97	24.98
40	1	1	1	24.95	24.95	24.94	24.95
40	1	1	1	24.92	24.92	24.91	24.92
40	1	1	1	24.89	24.89	24.88	24.89
40	1	1	1	24.86	24.86	24.85	24.86
40	1	1	1	24.83	24.83	24.82	24.83
40	1	1	1	24.80	24.80	24.79	24.80
40	1	1	1	24.77	24.77	24.76	24.77
40	1	1	1	24.74	24.74	24.73	24.74
40	1	1	1	24.71	24.71	24.70	24.71
40	1	1	1	24.68	24.68	24.67	24.68
40	1	1	1	24.65	24.65	24.64	24.65
40	1	1	1	24.62	24.62	24.61	24.62
40	1	1	1	24.59	24.59	24.58	24.59
40	1	1	1	24.56	24.56	24.55	24.56
40	1	1	1	24.53	24.53	24.52	24.53
40	1	1	1	24.50	24.50	24.49	24.50
40	1	1	1	24.47	24.47	24.46	24.47
40	1	1	1	24.44	24.44	24.43	24.44
40	1	1	1	24.41	24.41	24.40	24.41
40	1	1	1	24.38	24.38	24.37	24.38
40	1	1	1	24.35	24.35	24.34	24.35
40	1	1	1	24.32	24.32	24.31	24.32
40	1	1	1	24.29	24.29	24.28	24.29
40	1	1	1	24.26	24.26	24.25	24.26
40	1	1	1	24.23	24.23	24.22	24.23
40	1	1	1	24.20	24.20	24.19	24.20
40	1	1	1	24.17	24.17	24.16	24.17
40	1	1	1	24.14	24.14	24.13	24.14
40	1	1	1	24.11	24.11	24.10	24.11
40	1	1	1	24.08	24.08	24.07	24.08
40	1	1	1	24.05	24.05	24.04	24.05
40	1	1	1	24.02	24.02	24.01	24.02
40	1	1	1	23.99	23.99	23.98	23.99
40	1	1	1	23.96	23.96	23.95	23.96
40	1	1	1	23.93	23.93	23.92	23.93
40	1	1	1	23.90	23.90	23.89	23.90
40	1	1	1	23.87	23.87	23.86	23.87
40	1	1	1	23.84	23.84	23.83	23.84
40	1	1	1	23.81	23.81	23.80	23.81
40	1	1	1	23.78	23.78	23.77	23.78
40	1	1	1	23.75	23.75	23.74	23.75
40	1	1	1	23.72	23.72	23.71	23.72
40	1	1	1	23.69	23.69	23.68	23.69
40	1	1	1	23.66	23.66	23.65	23.66
40	1	1	1	23.63	23.63	23.62	23.63
40	1	1	1	23.60	23.60	23.59	23.60
40	1	1	1	23.57	23.57	23.56	23.57
40	1	1	1	23.54	23.54	23.53	23.54
40	1	1	1	23.51	23.51	23.50	23.51
40	1	1	1	23.48	23.48	23.47	23.48
40	1	1	1	23.45	23.45	23.44	23.45
40	1	1	1	23.42	23.42	23.41	23.42
40	1	1	1	23.39	23.39	23.38	23.39
40	1	1	1	23.36	23.36	23.35	23.36
40	1	1	1	23.33	23.33	23.32	23.33
40	1	1	1	23.30	23.30	23.29	23.30
40	1	1	1	23.27	23.27	23.26	23.27
40	1	1	1	23.24	23.24	23.23	23.24
40	1	1	1	23.21	23.21	23.20	23.21
40	1	1	1	23.18	23.18	23.17	23.18
40	1	1	1	23.15	23.15	23.14	23.15
40	1	1	1	23.12	23.12	23.11	23.12
40	1	1	1	23.09	23.09	23.08	23.09
40	1	1	1	23.06	23.06	23.05	23.06
40	1	1	1	23.03	23.03	23.02	23.03
40	1	1	1	23.00	23.00	22.99	23.00
40	1	1	1	22.97	22.97	22.96	22.97
40	1	1	1	22.94	22.94	22.93	22.94
40	1	1	1	22.91	22.91	22.90	22.91
40	1	1	1	22.88	22.88	22.87	22.88
40	1	1	1	22.85	22.85	22.84	22.85
40	1	1	1	22.82	22.82	22.81	22.82
40	1	1	1	22.79	22.79	22.78	22.79
40	1	1	1	22.76	22.76	22.75	22.76
40	1	1	1	22.73	22.73	22.72	22.73
40	1	1	1	22.70	22.70	22.69	22.70
40	1	1	1	22.67	22.67	22.66	22.67
40	1	1	1	22.64	22.64	22.63	22.64
40	1	1	1	22.61	22.61	22.60	22.61
40	1	1	1	22.58	22.58	22.57	22.58
40	1	1	1	22.55	22.55	22.54	22.55
40	1	1	1	22.52	22.52	22.51	22.52
40	1	1	1	22.49	22.49	22.48	22.49
40	1	1	1	22.46	22.46	22.45	22.46
40	1	1	1	22.43	22.43	22.42	22.43
40	1	1	1	22.40	22.40	22.39	22.40
40	1	1	1	22.37	22.37	22.36	22.37
40	1	1	1	22.34	22.34	22.33	22.34
40	1	1	1	22.31	22.31	22.30	22.31
40	1	1	1	22.28	22.28	22.27	22.28
40	1	1	1	22.25	22.25	22.24	22.25
40	1	1	1	22.22	22.22	22.21	22.22
40	1	1	1	22.19	22.19	22.18	22.19
40	1	1	1	22.16	22.16	22.15	22.16
40	1	1	1	22.13	22.13	22.12	22.13
40	1	1	1	22.10	22.10	22.09	22.10
40	1	1	1	22.07	22.07	22.06	22.07
40	1	1	1	22.04	22.04	22.03	22.04
40	1	1	1	22.01	22.01	22.00	22.01
40	1	1	1	21.98	21.98	21.97	21.98
40	1	1	1	21.95	21.95	21.94	21.95
40	1	1	1	21.92	21.92	21.91	21.92
40	1	1	1	21.89	21.89	21.88	21.89
40	1	1	1	21.86	21.86	21.85	21.86
40	1	1	1	21.83	21.83	21.82	21.83
40	1	1	1	21.80	21.80	21.79	21.80
40	1	1	1	21.77	21.77	21.76	21.77
40	1	1	1	21.74	21.74	21.73	21.74
40	1	1	1	21.71	21.71	21.70	21.71
40	1	1	1	21.68	21.68	21.67	21.68
40	1	1	1	21.65	21.65	21.64	21.65
40	1	1	1	21.62	21.62	21.61	21.62
40	1	1	1	21.59	21.59	21.58	21.59
40	1	1	1	21.56	21.56	21.55	21.56
40	1	1	1	21.53	21.53	21.52	21.53
40	1	1	1	21.50	21.50	21.49	21.50
40	1	1	1	21.47	21.47	21.46	21.47
40	1	1	1	21.44	21.44	21.43	21.44
40	1	1	1	21.41	21.41	21.40	21.41
40	1	1	1	21.38	21.38	21.37	21.38
40	1	1	1	21.35	21.35	21.34	21.35
40	1	1	1	21.32	21.32	21.31	21.32
40	1	1	1	21.29	21.29	21.28	21.29
40	1	1	1	21.26	21.26	21.25	21.26
40	1	1	1	21.23	21.23	21.22	21.23
40	1	1	1	21.20	21.20	21.19	21.20
40	1	1	1	21.17	21.17	21.16	21.17
40	1	1	1	21.14	21.14	21.13	21.14
40	1	1	1	21.11	21.11	21.10	21.11
40	1	1	1	21.08	21.08	21.07	21.08
40	1	1	1	21.05	21.05	21.04	21.05
40	1	1	1	21.02	21.02	21.01	21.02
40	1	1	1	20.99	20.99	20.98	20.99
40	1	1	1	20.96	20.96	20.95	20.96
40	1	1	1	20.93	20.93	20.92	20.93
40	1	1	1	20.90	20.90	20.89	20.90
40	1	1	1	20.87	20.87	20.86	20.87
40	1	1	1	20.84	20.84	20.83	20.84
40	1	1	1	20.81	20.81	20.80	20.81
40	1	1	1	20.78	20.78	20.77	20.78
40	1	1	1	20.75	20.75	20.74	20.75
40	1	1	1	20.72	20.72	20.71	20.72
40	1	1	1	20.69	20.69	20.68	20.69
40	1	1	1	20.66	20.66	20.65	20.66
40	1	1	1	20.63	20.63	20.62	20.63
40	1	1	1	20.60	20.60	20.59	20.60
40	1	1	1	20.57	20.57	20.56	20.57
40	1	1	1	20.54	20.54	20.53	20.54
40	1	1	1	20.51	20.51	20.50	20.51
40	1	1	1	20.48	20.48	20.47	20.48
40	1	1	1	20.45	20.45	20.44	20.45
40	1	1	1	20.42	20.42	20.41	20.42
40	1	1	1	20.39	20.39	20.38	20.39
40	1	1	1	20.36	20.36	20.35	20.36
40	1	1	1	20.33	20.33	20.32	20.33
40	1	1	1	20.30	20.30	20.29	20.30
40	1	1	1	20.27	20.27	20.26	20.27
40	1	1	1	20.24	20.24	20.23	20.24
40	1	1	1	20.21	20.21	20.20	20.21
40	1	1	1	20.18	20.18	20.17	20.18
40	1	1	1	20.15	20.15	20.14	20.15
40	1	1	1	20.12	20.12	20.11	20.12
40	1	1	1	20.09	20.09	20.08	20.09
40	1	1	1	20.06	20.06	20.05	20.06
40	1	1	1	20.03	20.03	20.02	20.03
40	1	1	1	20.00	20.00	19.99	20.00
40	1	1	1	19.97	19.97	19.96	19.97
40	1	1	1	19.94	19.94	19.93	19.94
40	1	1	1	19.91	19.91	19.90	19.91</

[illegible]

<FR1 n77_Ant 7+5_HPUE Full Power&DSI

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	PI/2 BPSK	1	1	26.07	27.00
100		1	137	25.77	27.00
100		1	271	25.81	27.00
100		135	0	25.46	26.50
100		135	69	26.01	27.00
100		135	138	25.49	26.50
100		270	0	25.43	26.50
100		1	1	25.80	27.00
100	QPSK	1	137	25.86	27.00
100		1	271	25.81	27.00
100		135	0	24.83	26.00
100		135	69	25.78	27.00
100		135	138	24.94	26.00
100		270	0	24.83	26.00
100		16QAM	1	24.98	26.00
100		64QAM	1	23.54	24.50
100	256QAM	1	1	21.37	22.50

<FR1 n77_Ant 7+5_PC1.5 Full Power&DSI

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	PI/2 BPSK	1	1	29.03	30.00
100		1	137	28.78	30.00
100		1	271	28.72	30.00
100		135	0	28.39	29.50
100		135	69	28.88	30.00
100		135	138	27.80	29.50
100		270	0	28.32	29.50
100		1	1	28.74	30.00
100	QPSK	1	137	28.70	30.00
100		1	271	28.71	30.00
100		135	0	27.92	29.00
100		135	69	28.72	30.00
100		135	138	27.86	29.00
100		270	0	27.95	29.00
100		16QAM	1	27.92	29.00
100		64QAM	1	26.49	27.50
100	256QAM	1	1	24.49	25.50

<FR1 n77 _Ant 7+5_HPUE DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch / Freq.	Tune-up Limit (dBm)	
Channel				633332		
Frequency (MHz)				3499.98		
100	Pi/2 BPSK	1	1	21.44	22.50	
100		1	137	21.37	22.50	
100		1	271	21.28	22.50	
100		135	0	21.36	22.50	
100		135	69	21.42	22.50	
100		135	138	21.29	22.50	
100		270	0	21.31	22.50	
100		1	1	21.28	22.50	
100	QPSK	1	137	21.26	22.50	
100		1	271	21.19	22.50	
100		135	0	21.29	22.50	
100		135	69	21.35	22.50	
100		135	138	21.18	22.50	
100		270	0	21.13	22.50	
100		16QAM	1	1	21.20	22.50
100		64QAM	1	1	21.22	22.50
100	256QAM	1	1	21.20	22.50	

<FR1 n77 _Ant 7+5_PC1.5 DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	24.50	25.50
100		1	137	24.15	25.50
100		1	271	24.05	25.50
100		135	0	24.35	25.50
100		135	69	24.55	25.50
100		135	138	24.13	25.50
100		270	0	24.35	25.50
100		1	1	24.30	25.50
100	QPSK	1	137	24.22	25.50
100		1	271	24.14	25.50
100		135	0	24.30	25.50
100		135	69	24.26	25.50
100		135	138	24.22	25.50
100		270	0	24.28	25.50
100	16QAM	1	1	24.38	25.50
100	64QAM	1	1	24.36	25.50
100	256QAM	1	1	24.41	25.50

<FR1 n77 _Ant 7+5_HPUE DSI 3&7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	21.50	23.40
100		1	137	21.38	23.40
100		1	271	21.38	23.40
100		135	0	21.43	23.40
100		135	69	21.46	23.40
100		135	138	21.36	23.40
100		270	0	21.41	23.40
100	QPSK	1	1	21.46	23.40
100		1	137	21.44	23.40
100		1	271	21.39	23.40
100		135	0	21.32	23.40
100		135	69	21.40	23.40
100		135	138	21.48	23.40
100		270	0	21.40	23.40
100	16QAM	1	1	21.43	23.40
100	64QAM	1	1	21.34	23.40
100	256QAM	1	1	21.04	22.80

<FR1 n77 _Ant 7+5_PC1.5 DSI 3&7>

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	24.55	26.40
100		1	137	24.48	26.40
100		1	271	24.43	26.40
100		135	0	24.45	26.40
100		135	69	24.47	26.40
100		135	138	24.39	26.40
100		270	0	24.40	26.40
100	QPSK	1	1	24.48	26.40
100		1	137	24.37	26.40
100		1	271	24.35	26.40
100		135	0	24.42	26.40
100		135	69	24.40	26.40
100		135	138	24.44	26.40
100		270	0	24.42	26.40
100	16QAM	1	1	24.38	26.40
100	64QAM	1	1	24.45	26.40
100	256QAM	1	1	24.46	26.20

<FR1 n77 _Ant 7+5_HPUE DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	26.07	27.00
100		1	137	25.77	27.00
100		1	271	25.81	27.00
100		135	0	25.46	26.50
100		135	69	26.01	27.00
100		135	138	25.49	26.50
100	QPSK	270	0	25.43	26.50
100		1	1	25.80	27.00
100		1	137	25.86	27.00
100		1	271	25.81	27.00
100		135	0	24.83	26.00
100		135	69	25.78	27.00
100	16QAM	135	138	24.94	26.00
100		270	0	24.83	26.00
100		1	1	24.98	26.00
100	64QAM	1	1	23.54	24.50
100	256QAM	1	1	21.37	22.50

<FR1 n77 _Ant 7+5_PC1.5 DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch / Freq	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	29.04	30.00
100		1	137	28.74	30.00
100		1	271	28.71	30.00
100		135	0	28.36	29.50
100		135	69	28.93	30.00
100		135	138	27.84	29.50
100	QPSK	270	0	28.36	29.50
100		1	1	28.77	30.00
100		1	137	28.75	30.00
100		1	271	28.64	30.00
100		135	0	27.88	29.00
100		135	69	28.76	30.00
100	16QAM	135	138	27.84	29.00
100		270	0	27.92	29.00
100	64QAM	1	1	27.94	29.00
100	256QAM	1	1	26.54	27.50
100	256QAM	1	1	24.44	25.50

<FR1 n77_Ant 4+5_HPUE Full Power&DSI

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	26.07	27.00
100		1	137	25.77	27.00
100		1	271	25.81	27.00
100		135	0	25.46	26.50
100		135	69	26.01	27.00
100		135	138	25.49	26.50
100	QPSK	270	0	25.43	26.50
100		1	1	25.80	27.00
100		1	137	25.86	27.00
100		1	271	25.81	27.00
100		135	0	24.83	26.00
100		135	69	25.78	27.00
100	16QAM	135	138	24.94	26.00
100		270	0	24.83	26.00
100		1	1	24.98	26.00
100	64QAM	1	1	23.54	24.50
100	256QAM	1	1	21.37	22.50

<FR1 n77_Ant 4+5_PC1.5 Full Power&DSI

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	29.03	30.00
100		1	137	28.78	30.00
100		1	271	28.72	30.00
100		135	0	28.39	29.50
100		135	69	28.88	30.00
100		135	138	27.80	29.50
100	QPSK	270	0	28.32	29.50
100		1	1	28.74	30.00
100		1	137	28.70	30.00
100		1	271	28.71	30.00
100		135	0	27.92	29.00
100		135	69	28.72	30.00
100	16QAM	135	138	27.86	29.00
100		270	0	27.95	29.00
100		1	1	27.92	29.00
100	64QAM	1	1	26.49	27.50
100	256QAM	1	1	24.49	25.50

<FR1 n77 _Ant 4+5_HPUE DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	20.01	20.70
100		1	137	19.74	20.70
100		1	271	19.84	20.70
100		135	0	19.67	20.70
100		135	69	20.02	20.70
100		135	138	19.74	20.70
100		270	0	19.87	20.70
100		1	1	19.84	20.70
100	QPSK	1	137	19.75	20.70
100		1	271	19.85	20.70
100		135	0	19.80	20.70
100		135	69	19.82	20.70
100		135	138	19.71	20.70
100		270	0	19.81	20.70
100		16QAM	1	19.82	20.70
100		64QAM	1	19.83	20.70
100	256QAM	1	1	19.81	20.70

<FR1 n77 _Ant 4+5_PC1.5 DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	22.91	23.70
100		1	137	22.86	23.70
100		1	271	22.78	23.70
100		135	0	22.70	23.70
100		135	69	22.87	23.70
100		135	138	22.77	23.70
100		270	0	22.72	23.70
100		1	1	22.68	23.70
100	QPSK	1	137	22.79	23.70
100		1	271	22.71	23.70
100		135	0	22.63	23.70
100		135	69	22.78	23.70
100		135	138	22.65	23.70
100		270	0	22.75	23.70
100		16QAM	1	22.82	23.70
100		64QAM	1	22.67	23.70
100	256QAM	1	1	22.67	23.70

<FR1 n77 _Ant 4+5_HPUE DSI 3&7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	17.03	18.80
100		1	137	16.98	18.80
100		1	271	16.89	18.80
100		135	0	16.85	18.80
100		135	69	17.02	18.80
100		135	138	16.90	18.80
100		270	0	16.92	18.80
100	QPSK	1	1	16.83	18.80
100		1	137	16.91	18.80
100		1	271	16.93	18.80
100		135	0	16.90	18.80
100		135	69	16.97	18.80
100		135	138	16.89	18.80
100		270	0	16.96	18.80
100	16QAM	1	1	16.88	18.80
100	64QAM	1	1	16.90	18.80
100	256QAM	1	1	16.86	18.80

<FR1 n77 _Ant 4+5_PC1.5 DSI 3&7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch / Freq	Tune-up Limit (dbm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	20.20	21.80
100		1	137	20.07	21.80
100		1	271	20.08	21.80
100		135	0	19.94	21.80
100		135	69	20.15	21.80
100		135	138	20.07	21.80
100		270	0	19.95	21.80
100	QPSK	1	1	20.00	21.80
100		1	137	20.00	21.80
100		1	271	19.99	21.80
100		135	0	20.01	21.80
100		135	69	20.03	21.80
100		135	138	20.08	21.80
100		270	0	20.10	21.80
100	16QAM	1	1	20.14	21.80
100	64QAM	1	1	20.04	21.80
100	256QAM	1	1	19.93	21.80

<FR1 n77 _Ant 4+5_HPUE DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	21.14	22.20
100		1	137	21.01	22.20
100		1	271	21.01	22.20
100		135	0	21.05	22.20
100		135	69	21.10	22.20
100		135	138	20.94	22.20
100		270	0	21.01	22.20
100	QPSK	1	1	21.07	22.20
100		1	137	21.05	22.20
100		1	271	21.01	22.20
100		135	0	20.98	22.20
100		135	69	21.00	22.20
100		135	138	21.06	22.20
100		270	0	21.01	22.20
100	16QAM	1	1	21.06	22.20
100	64QAM	1	1	21.07	22.20
100	256QAM	1	1	21.04	22.20

<FR1 n77 _Ant 4+5_PC1.5 DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633332	
Frequency (MHz)				3499.98	
100	Pi/2 BPSK	1	1	24.02	25.20
100		1	137	23.85	25.20
100		1	271	23.89	25.20
100		135	0	23.88	25.20
100		135	69	23.96	25.20
100		135	138	23.93	25.20
100		270	0	23.84	25.20
100	QPSK	1	1	23.89	25.20
100		1	137	23.87	25.20
100		1	271	23.89	25.20
100		135	0	23.78	25.20
100		135	69	23.94	25.20
100		135	138	23.90	25.20
100		270	0	23.92	25.20
100	16QAM	1	1	23.99	25.20
100	64QAM	1	1	23.96	25.20
100	256QAM	1	1	23.88	25.20

<LTE Band 30_Ant 2_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel					27710		Tune-up Limit (dBm)	
Frequency (MHz)					2310			
10	QPSK	1	0		23.07		24.00	
10		1	25		22.89		24.00	
10		1	49		22.97		24.00	
10		25	0		22.98		24.00	
10		25	12		22.94		24.00	
10		25	25		22.96		24.00	
10		50	0		22.97		24.00	
10		1	0		23.01		24.00	
10		1	25		23.03		24.00	
10		1	49		23.05		24.00	
10	16QAM	25	0		21.94		23.00	
10		25	12		21.95		23.00	
10		25	25		21.99		23.00	
10		50	0		21.96		23.00	
10		1	0		22.13		23.00	
10		1	25		21.97		23.00	
10		1	49		22.01		23.00	
10		25	0		20.93		22.00	
10		25	12		20.92		22.00	
10		25	25		20.87		22.00	
10	256QAM	50	0		20.91		22.00	
10		1	0		18.99		19.00	
10		1	25		18.97		19.00	
10		1	49		18.96		19.00	
10		25	0		18.99		19.00	
10		25	12		18.98		19.00	
10		25	25		18.95		19.00	
10		50	0		18.99		19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	23.01	23.05	23.02	24.00	
5		1	12	22.75	22.87	22.82	24.00	
5		1	24	22.67	22.85	22.80	24.00	
5		12	0	22.84	22.90	22.85	24.00	
5		12	7	22.72	22.89	22.85	24.00	
5		12	13	22.80	22.91	22.79	24.00	
5		25	0	22.75	22.91	22.80	24.00	
5		1	0	22.75	22.85	22.68	24.00	
5		1	12	22.75	22.87	22.71	24.00	
5		1	24	22.66	23.02	22.84	24.00	
5	16QAM	12	0	21.79	21.91	21.81	23.00	
5		12	7	21.78	21.90	21.78	23.00	
5		12	13	21.83	21.90	21.85	23.00	
5		25	0	21.79	21.85	21.71	23.00	
5		1	0	21.80	21.99	21.86	23.00	
5		1	12	21.82	21.87	21.71	23.00	
5		1	24	21.75	21.94	21.82	23.00	
5		12	0	20.71	20.78	20.65	22.00	
5		12	7	20.70	20.87	20.76	22.00	
5		12	13	20.68	20.75	20.60	22.00	
5	256QAM	25	0	20.70	20.88	20.70	22.00	
5		1	0	18.81	18.92	18.80	19.00	
5		1	12	18.68	18.83	18.75	19.00	
5		1	24	18.79	18.88	18.71	19.00	
5		12	0	18.71	18.90	18.77	19.00	
5		12	7	18.76	18.95	18.85	19.00	
5		12	13	18.76	18.82	18.76	19.00	
5		25	0	18.73	18.83	18.78	19.00	

<LTE Band 30_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	22.85	22.93	22.83	24.00	
10		1	25	22.44	22.63	22.45	24.00	
10		1	49	22.49	22.64	22.53	24.00	
10		25	0	22.54	22.74	22.53	23.00	
10		25	12	22.55	22.69	22.55	23.00	
10		25	25	22.46	22.67	22.52	23.00	
10		50	0	22.75	22.87	22.76	23.00	
10		1	25	22.97	22.97	22.97	23.00	
10		1	49	22.94	22.94	22.94	23.00	
10		25	0	21.86	21.86	21.86	22.00	
10	16QAM	25	12	21.89	21.89	21.89	22.00	
10		25	25	21.84	21.84	21.84	22.00	
10		50	0	21.73	21.73	21.73	22.00	
10		1	0	21.91	21.91	21.91	22.00	
10		1	25	21.97	21.97	21.97	22.00	
10		1	49	21.80	21.80	21.80	22.00	
10		25	0	20.89	20.89	20.89	21.00	
10		25	12	20.89	20.89	20.89	21.00	
10		25	25	20.80	20.80	20.80	21.00	
10		50	0	20.84	20.84	20.84	21.00	
10	64QAM	1	0	18.96	18.96	18.96	19.00	
10		1	25	18.84	18.84	18.84	19.00	
10		1	49	18.92	18.92	18.92	19.00	
10		25	0	18.71	18.71	18.71	19.00	
10		25	12	18.78	18.78	18.78	19.00	
10		25	25	18.76	18.76	18.76	19.00	
10		50	0	18.85	18.85	18.85	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5		QPSK	1	0	22.85	22.93	22.83	24.00
5	1		12	22.44	22.63	22.45	24.00	
5	1		24	22.49	22.64	22.53	24.00	
5	12		0	22.54	22.74	22.53	23.00	
5	12		7	22.55	22.69	22.55	23.00	
5	12		13	22.46	22.67	22.52	23.00	
5	25		0	22.75	22.87	22.76	23.00	
5	1		0	22.78	22.90	22.69	23.00	
5	1		12	22.74	22.87	22.65	23.00	
5	1		24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up Limit (dBm)	
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	2			

<LTE Band 30_Ant 6_Full Power>

Table 1: Channel BW, Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up Limit (dBm)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	21.43	21.44	21.40	23.00	
10		1	25	21.22	21.30	21.13	23.00	
10		1	49	21.29	21.37	21.30	23.00	
10		25	0	20.76	20.89	20.72	22.00	
10		25	12	20.77	20.92	20.78	22.00	
10		25	25	20.74	20.77	20.67	22.00	
10		50	0	20.74	20.86	20.72	22.00	
10		1	0	20.91	21.02	20.85	22.00	
10		1	25	20.84	20.90	20.81	22.00	
10		1	49	20.96	21.06	20.90	22.00	
10	16QAM	12	0	19.98	20.02	19.84	21.00	
10		12	7	19.79	19.84	19.65	21.00	
10		12	13	19.89	19.95	19.78	21.00	
10		25	0	19.79	19.95	19.84	21.00	
10		1	0	20.12	20.15	20.00	21.00	
10		1	12	19.73	19.88	19.72	21.00	
10		1	24	19.91	19.96	19.90	21.00	
10		12	0	18.72	18.84	18.69	20.00	
10		12	7	18.71	18.84	18.66	20.00	
10		12	13	18.82	18.96	18.85	20.00	
10	256QAM	25	0	18.78	18.85	18.72	20.00	
10		1	0	18.78	18.88	18.69	18.00	
10		1	12	18.85	18.96	18.89	18.00	
10		1	24	18.85	18.99	18.90	18.00	
10		12	0	16.71	16.85	16.70	18.00	
10		12	7	16.73	16.87	16.70	18.00	
10		12	13	16.72	16.86	16.74	18.00	
10		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.43	21.44	21.40	23.00	
5		1	12	21.22	21.30	21.13	23.00	
5		1	24	21.29	21.37	21.30	23.00	
5		12	0	20.76	20.89	20.72	22.00	
5		12	7	20.77	20.92	20.78	22.00	
5		12	13	20.74	20.77	20.67	22.00	
5		25	0	20.74	20.86	20.72	22.00	
5		1	0	20.91	21.02	20.85	22.00	
5		1	12	20.84	20.90	20.81	22.00	
5		1	24	20.96	21.06	20.90	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.78	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	256QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	

<LTE Band 30_Ant 2_DSI 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						27710		Tune-up Limit (dBm)	
Frequency (MHz)						2310			
10	QPSK	1	0			23.07		24.00	
10		1	25			22.89		24.00	
10		1	49			22.97		24.00	
10		25	0			22.98		24.00	
10		25	12			22.94		24.00	
10		25	25			22.96		24.00	
10		50	0			22.97		24.00	
10		1	0			23.01		24.00	
10		16QAM	1	25			23.03		24.00
10			1	49			23.05		24.00
10	25		0			21.94		23.00	
10	25		12			21.95		23.00	
10	25		25			21.99		23.00	
10	50		0			21.96		23.00	
10	1		0			22.13		23.00	
10	1		25			21.97		23.00	
10	64QAM		1	49			22.01		23.00
10			25	0			20.93		22.00
10		25	12			20.92		22.00	
10		25	25			20.87		22.00	
10		50	0			20.91		22.00	
10		1	0			18.99		19.00	
10		1	25			18.97		19.00	
10		1	49			18.96		19.00	
10		256QAM	25	0			18.99		19.00
10			25	12			18.98		19.00
10	25		25			18.95		19.00	
10	50		0			18.99		19.00	
Channel					27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK		1	0		23.01	23.05	23.02	24.00
5			1	12		22.75	22.87	22.82	24.00
5			1	24		22.67	22.85	22.80	24.00
5			12	0		22.84	22.90	22.85	24.00
5		12	7		22.72	22.89	22.85	24.00	
5		12	13		22.80	22.91	22.79	24.00	
5		25	0		22.75	22.91	22.80	24.00	
5		1	0		22.75	22.85	22.68	24.00	
5		1	12		22.75	22.87	22.71	24.00	
5		16QAM	1	24		22.86	23.02	22.84	24.00
5	12		0		21.79	21.91	21.81	23.00	
5	12		7		21.78	21.90	21.78	23.00	
5	12		13		21.83	21.90	21.85	23.00	
5	25		0		21.79	21.85	21.71	23.00	
5	1		0		21.80	21.99	21.86	23.00	
5	1		12		21.82	21.87	21.71	23.00	
5	64QAM		1	24		21.75	21.94	21.82	23.00
5			12	0		20.71	20.78	20.65	22.00
5			12	7		20.70	20.87	20.76	22.00
5		12	13		20.68	20.75	20.60	22.00	
5		25	0		20.70	20.88	20.70	22.00	
5		1	0		18.81	18.92	18.80	19.00	
5		1	12		18.68	18.83	18.75	19.00	
5		1	24		18.79	18.88	18.71	19.00	
5		256QAM	12	0		18.71	18.90	18.77	19.00
5			12	7		18.76	18.95	18.85	19.00
5	12		13		18.76	18.82	18.76	19.00	
5	25		0		18.73	18.83	18.78	19.00	

<LTE Band 30_Ant 1_DSI 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				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	22.85	22.93	22.83	24.00	
10		1	25	22.44	22.63	22.45	24.00	
10		1	49	22.49	22.64	22.53	24.00	
10		25	0	22.54	22.74	22.53	23.00	
10		25	12	22.55	22.69	22.55	23.00	
10		25	25	22.46	22.67	22.52	23.00	
10		50	0	22.75	22.87	22.76	23.00	
10		1	25	22.78	22.90	22.69	23.00	
10		1	49	22.74	22.87	22.65	23.00	
10		25	0	22.58	22.76	22.62	23.00	
10	16QAM	25	12	21.80	21.75	21.54	22.00	
10		25	25	21.52	21.61	21.44	22.00	
10		50	0	21.54	21.66	21.46	22.00	
10		1	0	21.53	21.69	21.56	22.00	
10		1	49	21.56	21.76	21.61	22.00	
10		1	25	21.73	21.91	21.68	22.00	
10		25	0	21.41	21.63	21.43	22.00	
10		25	12	20.74	20.84	20.62	21.00	
10		25	25	20.58	20.72	20.52	21.00	
10		50	0	20.64	20.75	20.56	21.00	
10	64QAM	1	0	20.53	20.74	20.59	21.00	
10		1	25	18.71	18.93	18.68	19.00	
10		1	49	18.60	18.71	18.58	19.00	
10		25	0	18.65	18.82	18.65	19.00	
10		25	12	18.78	18.93	18.78	19.00	
10		25	25	18.58	18.74	18.58	19.00	
10		50	0	18.46	18.67	18.50	19.00	
10		1	25	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54	22.00	
5		12	7	21.52	21.61	21.44	22.00	
5		12	13	21.54	21.66	21.46	22.00	
5		25	0	21.53	21.69	21.56	22.00	
5		1	0	21.56	21.76	21.61	22.00	
5		1	12	21.73	21.91	21.68	22.00	
5		1	24	21.41	21.63	21.43	22.00	
5		12	0	20.74	20.84	20.62	21.00	
5		12	7	20.58	20.72	20.52	21.00	
5		12	13	20.64	20.75	20.56	21.00	
5	64QAM	25	0	20.53	20.74	20.59	21.00	
5		1	0	18.71	18.93	18.68	19.00	
5		1	12	18.60	18.71	18.58	19.00	
5		1	24	18.65	18.82	18.65	19.00	
5		12	0	18.35	18.54	18.42	19.00	
5		12	7	18.58	18.74	18.58	19.00	
5		12	13	18.46	18.67	18.50	19.00	
5		25	0	18.56	18.75	18.64	19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.85	22.93	22.83	24.00	
5		1	12	22.44	22.63	22.45	24.00	
5		1	24	22.49	22.64	22.53	24.00	
5		12	0	22.54	22.74	22.53	23.00	
5		12	7	22.55	22.69	22.55	23.00	
5		12	13	22.46	22.67	22.52	23.00	
5		25	0	22.75	22.87	22.76	23.00	
5		1	0	22.78	22.90	22.69	23.00	
5		1	12	22.74	22.87	22.65	23.00	
5		1	24	22.58	22.76	22.62	23.00	
5	16QAM	12	0	21.80	21.75	21.54		

<LTE Band 30_Ant 6_DSI 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		21.55		23.00	
10		1	25		21.44		23.00	
10		1	49		21.41		23.00	
10		25	0		21.01		22.00	
10		25	12		20.99		22.00	
10		25	25		20.94		22.00	
10		25	0		20.99		22.00	
10		50	0		21.20		22.00	
10		16QAM	1	25		21.04		22.00
10			1	49		21.16		22.00
10	25		0		20.08		21.00	
10	25		12		20.00		21.00	
10	25		25		20.01		21.00	
10	50		0		20.01		21.00	
10	1		0		20.22		21.00	
10	1		25		20.03		21.00	
10	64QAM		1	49		20.08		21.00
10			25	0		18.99		20.00
10		25	12		18.97		20.00	
10		25	25		19.00		20.00	
10		50	0		18.99		20.00	
10		1	0		17.03		18.00	
10		1	25		17.11		18.00	
10		1	49		17.05		18.00	
10		256QAM	25	0		16.95		18.00
10			25	12		16.89		18.00
10	25		25		16.96		18.00	
10	50		0		16.97		18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK		1	0	21.43	21.44	21.40	23.00
5			1	12	21.22	21.30	21.13	23.00
5			1	24	21.29	21.37	21.30	23.00
5			12	0	20.76	20.89	20.72	22.00
5		12	7	20.77	20.92	20.78	22.00	
5		12	13	20.74	20.77	20.67	22.00	
5		25	0	20.74	20.86	20.72	22.00	
5		1	0	20.91	21.02	20.85	22.00	
5		1	12	20.84	20.90	20.81	22.00	
5		16QAM	1	24	20.96	21.06	20.90	22.00
5	12		0	19.98	20.02	19.84	21.00	
5	12		7	19.79	19.84	19.65	21.00	
5	12		13	19.89	19.95	19.78	21.00	
5	25		0	19.79	19.95	19.84	21.00	
5	1		0	20.12	20.15	20.00	21.00	
5	1		12	19.73	19.88	19.72	21.00	
5	1		24	19.91	19.96	19.90	21.00	
5	64QAM		12	0	18.72	18.84	18.69	20.00
5			12	7	18.71	18.84	18.66	20.00
5		12	13	18.82	18.96	18.85	20.00	
5		25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		256QAM	12	0	16.71	16.85	16.70	18.00
5			12	7	16.73	16.87	16.70	18.00
5			12	13	16.72	16.86	16.74	18.00
5	25		0	16.64	16.80	16.72	18.00	

<LTE Band 30_Ant 2_DSI 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		23.07		24.00	
10		1	25		22.89		24.00	
10		1	49		22.97		24.00	
10		25	0		22.98		24.00	
10		25	12		22.94		24.00	
10		25	25		22.96		24.00	
10		50	0		22.97		24.00	
10		1	0		23.01		24.00	
10		16QAM	1	25		23.03		24.00
10			1	49		23.05		24.00
10	25		0		21.94		23.00	
10	25		12		21.95		23.00	
10	25		25		21.99		23.00	
10	50		0		21.96		23.00	
10	1		0		22.13		23.00	
10	1		25		21.97		23.00	
10	64QAM		1	49		22.01		23.00
10			25	0		20.93		22.00
10		25	12		20.92		22.00	
10		25	25		20.87		22.00	
10		50	0		20.91		22.00	
10		1	0		18.99		19.00	
10		1	25		18.97		19.00	
10		1	49		18.96		19.00	
10		256QAM	25	0		18.99		19.00
10			25	12		18.98		19.00
10	25		25		18.95		19.00	
10	50		0		18.99		19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK		1	0	23.01	23.05	23.02	24.00
5			1	12	22.75	22.87	22.82	24.00
5			1	24	22.67	22.85	22.80	24.00
5			12	0	22.84	22.90	22.85	24.00
5		12	7	22.72	22.89	22.85	24.00	
5		12	13	22.80	22.79	22.79	24.00	
5		25	0	22.75	22.91	22.80	24.00	
5		1	0	22.75	22.85	22.68	24.00	
5		1	12	22.75	22.87	22.71	24.00	
5		16QAM	1	24	22.86	23.02	22.84	24.00
5	12		0	21.79	21.91	21.81	23.00	
5	12		7	21.78	21.90	21.78	23.00	
5	12		13	21.83	21.90	21.85	23.00	
5	25		0	21.79	21.85	21.71	23.00	
5	1		0	21.80	21.99	21.86	23.00	
5	1		12	21.82	21.87	21.71	23.00	
5	64QAM		1	24	21.75	21.94	21.82	23.00
5			12	0	20.71	20.78	20.65	22.00
5			12	7	20.70	20.87	20.76	22.00
5		12	13	20.68	20.75	20.60	22.00	
5		25	0	20.70	20.88	20.70	22.00	
5		1	0	18.81	18.92	18.80	19.00	
5		256QAM	1	12	18.68	18.83	18.75	19.00
5			1	24	18.79	18.88	18.71	19.00
5			12	0	18.71	18.90	18.77	19.00
5			12	7	18.76	18.95	18.85	19.00
5	12		13	18.76	18.82	18.76	19.00	
5	25		0	18.73	18.83	18.78	19.00	
5	1		0	18.73	18.83	18.78	19.00	
5	1		12	18.73	18.83	18.78	19.00	
5	1		24	18.73	18.83	18.78	19.00	
5	1		24	18.73	18.83	18.78	19.00	

<LTE Band 30_Ant 1_DSI 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)						2310			
10	QPSK	1	0			21.07		22.70	
10		1	25			21.05		22.70	
10		1	49			21.00		22.70	
10		25	0			21.06		22.70	
10		25	12			20.97		22.70	
10		25	25			21.03		22.70	
10		50	0			21.01		22.70	
10		1	0			20.97		22.70	
10		1	25			20.95		22.70	
10		1	49			20.96		22.70	
10	16QAM	25	0			20.94		22.00	
10		25	12			20.97		22.00	
10		25	25			21.05		22.00	
10		50	0			21.05		22.00	
10		1	0			21.00		22.00	
10		1	25			21.02		22.00	
10		1	49			20.97		22.00	
10		25	0			20.89		21.00	
10		25	12			20.89		21.00	
10		25	25			20.89		21.00	
10	64QAM	50	0			20.84		21.00	
10		1	0			18.96		19.00	
10		1	25			18.84		19.00	
10		1	49			18.92		19.00	
10		25	0			18.71		19.00	
10		25	12			18.78		19.00	
10		25	25			18.76		19.00	
10		50	0			18.85		19.00	
Channel					27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK	1	0		21.01	21.05	21.03	22.70	
5		1	12		20.81	20.97	20.92	22.70	
5		1	24		20.79	20.89	20.77	22.70	
5		12	0		20.88	20.95	20.86	22.70	
5		12	7		20.82	20.97	20.89	22.70	
5		12	13		20.76	20.91	20.86	22.70	
5		25	0		20.74	20.89	20.77	22.70	
5	16QAM	1	0		20.86	20.96	20.93	22.70	
5		1	12		20.84	20.99	20.88	22.70	
5		1	24		20.90	21.00	20.87	22.70	
5		12	0		20.89	20.96	20.92	22.00	
5		12	7		20.82	20.91	20.84	22.00	
5		12	13		20.82	21.01	20.86	22.00	
5		25	0		20.96	21.03	20.86	22.00	
5	64QAM	1	0		20.80	20.92	20.84	22.00	
5		1	12		20.82	20.90	20.86	22.00	
5		1	24		20.83	21.01	20.97	22.00	
5		12	0		20.74	20.84	20.62	21.00	
5		12	7		20.56	20.72	20.52	21.00	
5		12	13		20.64	20.75	20.56	21.00	
5		25	0		20.53	20.74	20.59	21.00	
5	256QAM	1	0		18.71	18.93	18.68	19.00	
5		1	12		18.60	18.71	18.58	19.00	
5		1	24		18.65	18.82	18.65	19.00	
5		12	0		18.35	18.54	18.42	19.00	
5		12	7		18.58	18.74	18.58	19.00	
5		12	13		18.46	18.67	18.50	19.00	
5		25	0		18.56	18.75	18.64	19.00	

<LTE Band 30_Ant 6_DSI 2>

LTE Band 30-Air 6-DSB								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	20.54	20.58	20.58	22.00	
10		1	25	20.38	20.44	20.41	22.00	
10		1	49	20.27	20.44	20.38	22.00	
10		25	0	20.33	20.48	20.44	22.00	
10		25	12	20.44	20.50	20.38	22.00	
10		25	25	20.39	20.51	20.36	22.00	
10		50	0	20.32	20.50	20.36	22.00	
10		1	0	20.45	20.53	20.37	22.00	
10		1	25	20.35	20.45	20.30	22.00	
10		1	49	20.35	20.43	20.38	22.00	
10	16QAM	12	0	19.98	20.02	19.84	21.00	
10		12	7	19.79	19.84	19.65	21.00	
10		12	13	19.89	19.95	19.76	21.00	
10		25	0	19.79	19.95	19.84	21.00	
10		1	0	20.12	20.15	20.00	21.00	
10		1	12	19.73	19.88	19.72	21.00	
10		1	24	19.91	19.96	19.90	21.00	
10		12	0	18.72	18.84	18.69	20.00	
10		12	7	18.71	18.84	18.66	20.00	
10		12	13	18.82	18.96	18.85	20.00	
10	64QAM	25	0	18.78	18.85	18.72	20.00	
10		1	0	18.78	18.88	18.69	18.00	
10		1	12	18.85	18.96	18.89	18.00	
10		1	24	18.85	18.99	18.90	18.00	
10		12	0	16.71	16.85	16.70	18.00	
10		12	7	16.73	16.87	16.70	18.00	
10		12	13	16.72	16.86	16.74	18.00	
10		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.76	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	64QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.76	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	64QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.76	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	64QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.76	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	64QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21.00	
5		12	7	19.79	19.84	19.65	21.00	
5		12	13	19.89	19.95	19.76	21.00	
5		25	0	19.79	19.95	19.84	21.00	
5		1	0	20.12	20.15	20.00	21.00	
5		1	12	19.73	19.88	19.72	21.00	
5		1	24	19.91	19.96	19.90	21.00	
5		12	0	18.72	18.84	18.69	20.00	
5		12	7	18.71	18.84	18.66	20.00	
5		12	13	18.82	18.96	18.85	20.00	
5	64QAM	25	0	18.78	18.85	18.72	20.00	
5		1	0	18.78	18.88	18.69	18.00	
5		1	12	18.85	18.96	18.89	18.00	
5		1	24	18.85	18.99	18.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.58	22.00	
5		1	12	20.28	20.44	20.41	22.00	
5		1	24	20.27	20.44	20.36	22.00	
5		12	0	20.33	20.48	20.44	22.00	
5		12	7	20.44	20.50	20.38	22.00	
5		12	13	20.39	20.51	20.36	22.00	
5		25	0	20.32	20.50	20.36	22.00	
5		1	0	20.45	20.53	20.37	22.00	
5		1	12	20.35	20.45	20.30	22.00	
5		1	24	20.35	20.43	20.38	22.00	
5	16QAM	12	0	19.98	20.02	19.84	21	

<LTE Band 30_Ant 2_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		20.59		22.30	
10		1	25		20.58		22.30	
10		1	49		20.49		22.30	
10		25	0		20.56		22.30	
10		25	12		20.44		22.30	
10		25	25		20.52		22.30	
10		50	0		20.45		22.30	
10		1	0		20.52		22.30	
10		1	25		20.46		22.30	
10		1	49		20.53		22.30	
10	16QAM	25	0		20.47		22.30	
10		25	12		20.46		22.30	
10		25	25		20.48		22.30	
10		50	0		20.55		22.30	
10		1	0		20.54		22.30	
10		1	25		20.48		22.30	
10		1	49		20.50		22.30	
10		25	0		20.55		22.00	
10		25	12		20.53		22.00	
10		25	25		20.48		22.00	
10	256QAM	50	0		20.49		22.00	
10		1	0		18.99		19.00	
10		1	25		18.97		19.00	
10		1	49		18.96		19.00	
10		25	0		18.99		19.00	
10		25	12		18.98		19.00	
10		25	25		18.95		19.00	
10		50	0		18.99		19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.54	20.58	20.56	22.30	
5		1	12	20.51	20.58	20.52	22.30	
5		1	24	20.43	20.46	20.33	22.30	
5		12	0	20.39	20.49	20.39	22.30	
5		12	7	20.37	20.53	20.41	22.30	
5		12	13	20.35	20.44	20.35	22.30	
5		25	0	20.39	20.55	20.38	22.30	
5		1	0	20.41	20.48	20.38	22.30	
5		1	12	20.36	20.44	20.37	22.30	
5		1	24	20.41	20.57	20.51	22.30	
5	16QAM	12	0	20.45	20.58	20.45	22.30	
5		12	7	20.41	20.47	20.36	22.30	
5		12	13	20.35	20.54	20.49	22.30	
5		25	0	20.35	20.50	20.38	22.30	
5		1	0	20.44	20.51	20.38	22.30	
5		1	12	20.38	20.45	20.43	22.30	
5		1	24	20.38	20.54	20.49	22.30	
5		12	0	20.45	20.54	20.46	22.00	
5		12	7	20.38	20.48	20.43	22.00	
5		12	13	20.48	20.54	20.46	22.00	
5	64QAM	25	0	20.42	20.55	20.45	22.00	
5		1	0	18.81	18.92	18.80	19.00	
5		1	12	18.68	18.83	18.75	19.00	
5		1	24	18.79	18.88	18.71	19.00	
5		12	0	18.71	18.90	18.77	19.00	
5		12	7	18.76	18.95	18.85	19.00	
5		12	13	18.76	18.82	18.76	19.00	
5		25	0	18.73	18.83	18.78	19.00	

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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				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	18.02	18.07	18.05	19.80	
10		1	25	17.98	17.92	17.83	19.80	
10		1	49	18.05	18.05	18.05	19.80	
10		25	0	18.07	18.07	18.07	19.80	
10		25	12	18.04	18.04	18.04	19.80	
10		25	25	18.00	18.00	18.00	19.80	
10		50	0	17.97	17.97	17.97	19.80	
10		1	0	17.97	17.97	17.97	19.80	
10		1	25	18.07	18.07	18.07	19.80	
10		1	49	18.03	18.03	18.03	19.80	
10	16QAM	25	0	18.02	18.02	18.02	19.80	
10		25	12	17.93	17.93	17.93	19.80	
10		25	25	18.05	18.05	18.05	19.80	
10		50	0	17.97	17.97	17.97	19.80	
10		1	0	18.08	18.08	18.08	19.80	
10		1	25	17.95	17.95	17.95	19.80	
10		1	49	18.06	18.06	18.06	19.80	
10		25	0	18.01	18.01	18.01	19.80	
10		25	12	17.97	17.97	17.97	19.80	
10		25	25	18.05	18.05	18.05	19.80	
10	64QAM	50	0	17.94	17.94	17.94	19.80	
10		1	0	18.08	18.08	18.08	19.80	
10		1	25	17.96	17.96	17.96	19.80	
10		1	49	17.96	17.96	17.96	19.80	
10		25	0	17.95	17.95	17.95	19.80	
10		25	12	17.99	17.99	17.99	19.80	
10		25	25	17.95	17.95	17.95	19.80	
10		50	0	18.04	18.04	18.04	19.80	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	18.02	18.07	18.05	19.80	
5		1	12	17.88	17.92	17.83	19.80	
5		1	24	17.92	17.93	17.81	19.80	
5		12	0	17.96	18.02	17.94	19.80	
5		12	7	17.89	17.97	17.88	19.80	
5		12	13	17.90	17.93	17.91	19.80	
5		25	0	17.91	17.93	17.89	19.80	
5		1	0	17.82	17.88	17.83	19.80	
5		1	12	17.91	17.94	17.87	19.80	
5		1	24	17.95	17.99	17.93	19.80	
5	16QAM	12	0	17.86	18.02	17.87	19.80	
5		12	7	17.85	17.94	17.88	19.80	
5		12	13	17.89	17.95	17.86	19.80	
5		25	0	17.87	18.01	17.88	19.80	
5		1	0	17.86	17.93	17.92	19.80	
5		1	12	17.86	17.93	17.90	19.80	
5		1	24	17.85	18.00	17.87	19.80	
5		12	0	17.84	18.03	17.99	19.80	
5		12	7	17.90	17.94	17.83	19.80	
5		12	13	17.85	17.93	17.89	19.80	
5	64QAM	25	0	17.93	17.98	17.94	19.80	
5		1	0	17.92	18.07	17.94	19.80	
5		1	12	17.78	17.92	17.78	19.80	
5		1	24	17.84	17.93	17.90	19.80	
5		12	0	17.83	18.02	17.91	19.80	
5		12	7	17.89	17.97	17.84	19.80	
5		12	13	17.82	17.93	17.82	19.80	
5		25	0	17.78	17.93	17.85	19.80	

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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					27685	27710	27735	18.70	
Frequency (MHz)					2307.5	2310	2312.5		
10	QPSK	1	0		18.01	18.04	18.02	18.70	
10		1	25		17.95	17.95	17.91	18.70	
10		1	49		17.92	17.92	17.98	18.70	
10		25	0		18.03	18.03	17.99	18.70	
10		25	12		17.92	17.92	17.91	18.70	
10		25	25		17.95	17.95	17.98	18.70	
10		50	0		18.01	18.01	17.99	18.70	
10		1	0		17.96	17.96	17.91	18.70	
10		1	25		17.89	17.89	17.84	18.70	
10		1	49		17.89	17.89	17.79	18.70	
10	16QAM	25	0		17.92	17.92	17.93	18.70	
10		25	12		17.89	17.89	17.78	18.70	
10		25	25		17.89	17.89	17.73	18.70	
10		50	0		17.91	17.91	17.94	18.70	
10		1	0		17.92	17.92	17.91	18.70	
10		1	25		17.92	17.92	17.84	18.70	
10		1	49		17.95	17.95	17.86	18.70	
10		25	0		17.95	17.95	17.76	18.70	
10		25	12		17.92	17.92	17.93	18.70	
10		25	25		17.98	17.98	17.87	18.70	
10	64QAM	50	0		17.92	17.92	17.81	18.70	
10		1	0		17.03	17.03	16.90	18.00	
10		1	25		17.11	17.11	16.88	18.00	
10		1	49		17.05	17.05	16.89	18.00	
10		25	0		16.95	16.95	16.90	18.00	
10		25	12		16.89	16.89	16.70	18.00	
10		25	25		16.96	16.96	16.74	18.00	
10		50	0		16.97	16.97	16.72	18.00	
Channel					27685	27710	27735	18.70	
Frequency (MHz)					2307.5	2310	2312.5		
5	QPSK	1	0		18.01	18.04	18.02	18.70	
5		1	12		17.89	17.99	17.91	18.70	
5		1	24		17.95	18.01	17.98	18.70	
5		12	0		17.84	17.98	17.91	18.70	
5		12	7		17.88	17.97	17.81	18.70	
5		12	13		17.91	18.00	17.94	18.70	
5		25	0		17.93	17.98	17.85	18.70	
5		1	0		17.76	17.88	17.74	18.70	
5		1	12		17.75	17.88	17.79	18.70	
5		1	24		17.82	17.97	17.93	18.70	
5	16QAM	12	0		17.80	17.85	17.78	18.70	
5		12	7		17.82	17.86	17.73	18.70	
5		12	13		17.89	17.98	17.94	18.70	
5		25	0		17.80	17.96	17.92	18.70	
5		1	0		17.91	17.97	17.84	18.70	
5		1	12		17.84	18.01	17.86	18.70	
5		1	24		17.80	17.93	17.76	18.70	
5		12	0		17.88	17.99	17.93	18.70	
5		12	7		17.88	18.01	17.87	18.70	
5		12	13		17.82	17.98	17.81	18.70	
5	64QAM	25	0		17.82	17.97	17.90	18.70	
5		1	0		16.76	16.88	16.69	18.00	
5		1	12		16.85	16.96	16.89	18.00	
5		1	24		16.85	16.99	16.90	18.00	
5		12	0		16.71	16.85	16.70	18.00	
5		12	7		16.73	16.87	16.70	18.00	
5		12	13		16.72	16.86	16.74	18.00	
5		25	0		16.64	16.80	16.72	18.00	

<LTE Band 30_Ant 2_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel					27710		Tune-up Limit (dBm)	
Frequency (MHz)					2310			
10	QPSK	1	0		23.07		24.00	
10		1	25		22.89		24.00	
10		1	49		22.97		24.00	
10		25	0		22.98		24.00	
10		25	12		22.94		24.00	
10		25	25		22.96		24.00	
10		50	0		22.97		24.00	
10		1	0		23.01		24.00	
10		1	25		23.03		24.00	
10		1	49		23.05		24.00	
10	16QAM	25	0		21.94		23.00	
10		25	12		21.95		23.00	
10		25	25		21.99		23.00	
10		50	0		21.96		23.00	
10		1	0		22.13		23.00	
10		1	25		21.97		23.00	
10		1	49		22.01		23.00	
10		25	0		20.93		22.00	
10		25	12		20.92		22.00	
10		25	25		20.87		22.00	
10	256QAM	50	0		20.91		22.00	
10		1	0		18.99		19.00	
10		1	25		18.97		19.00	
10		1	49		18.96		19.00	
10		25	0		18.99		19.00	
10		25	12		18.98		19.00	
10		25	25		18.95		19.00	
10		50	0		18.99		19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	23.01	23.05	23.02	24.00	
5		1	12	22.75	22.87	22.82	24.00	
5		1	24	22.67	22.85	22.80	24.00	
5		12	0	22.84	22.90	22.85	24.00	
5		12	7	22.72	22.89	22.85	24.00	
5		12	13	22.80	22.91	22.79	24.00	
5		25	0	22.75	22.91	22.80	24.00	
5		1	0	22.75	22.85	22.68	24.00	
5		1	12	22.75	22.87	22.71	24.00	
5		1	24	22.66	23.02	22.84	24.00	
5	16QAM	12	0	21.79	21.91	21.81	23.00	
5		12	7	21.78	21.90	21.78	23.00	
5		12	13	21.83	21.90	21.85	23.00	
5		25	0	21.79	21.85	21.71	23.00	
5		1	0	21.80	21.99	21.86	23.00	
5		1	12	21.82	21.87	21.71	23.00	
5		1	24	21.75	21.94	21.82	23.00	
5		12	0	20.71	20.78	20.65	22.00	
5		12	7	20.70	20.87	20.76	22.00	
5		12	13	20.68	20.75	20.60	22.00	
5	256QAM	25	0	20.70	20.88	20.70	22.00	
5		1	0	18.81	18.92	18.80	19.00	
5		1	12	18.68	18.83	18.75	19.00	
5		1	24	18.79	18.88	18.71	19.00	
5		12	0	18.71	18.90	18.77	19.00	
5		12	7	18.76	18.95	18.85	19.00	
5		12	13	18.76	18.82	18.76	19.00	
5		25	0	18.73	18.83	18.78	19.00	

<LTE Band 30_Ant 1_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				27685	27710		
Frequency (MHz)				2307.5	2310	2312.5	
10	QPSK	1	0	21.75	22.04	21.86	23.20
10		1	25	21.52	21.89	21.60	23.20
10		1	49	21.70	22.06	21.79	23.20
10		25	0	21.83	22.03	21.71	23.20
10		25	12	21.81	21.91	21.59	23.20
10		25	25	21.51	21.84	21.53	23.20
10	16QAM	1	0	21.39	21.81	21.54	23.20
10		1	25	21.53	21.94	21.71	23.20
10		1	49	21.58	22.02	21.73	23.20
10		25	12	21.46	21.89	21.61	23.20
10		25	25	20.89	21.06	20.73	22.20
10		25	0	20.40	20.77	20.49	22.20
10	64QAM	1	0	20.50	20.90	20.68	22.20
10		1	25	20.54	20.87	20.62	22.20
10		1	49	20.54	20.95	20.75	22.20
10		1	12	20.60	20.97	20.73	22.20
10		1	25	20.40	20.74	20.54	22.20
10		12	0	19.66	19.99	19.66	21.20
10	256QAM	12	7	19.49	19.88	19.68	21.20
10		12	13	19.66	19.98	19.75	21.20
10		25	0	19.54	19.94	19.73	21.20
10		1	0	18.71	18.93	18.68	19.20
10		1	12	18.60	18.71	18.58	19.20
10		1	24	18.65	18.82	18.65	19.20
10	QPSK	12	0	18.35	18.54	18.42	19.20
10		12	7	18.58	18.74	18.58	19.20
10		12	13	18.46	18.67	18.50	19.20
10		25	0	18.56	18.75	18.64	19.20

<LTE Band 30_Ant 6_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	18.91	18.96	18.83	20.00	
10		1	25	18.89	18.89	18.89	20.00	
10		1	49	18.97	18.97	18.97	20.00	
10		25	0	19.05	19.05	19.05	20.00	
10		25	12	18.91	18.91	18.91	20.00	
10		25	25	18.85	18.85	18.85	20.00	
10		25	0	19.04	19.04	19.04	20.00	
10		50	0	18.93	18.93	18.93	20.00	
10		16QAM	1	25	18.90	18.90	18.90	20.00
10			1	49	18.97	18.97	18.97	20.00
10	25		0	19.01	19.01	19.01	20.00	
10	25		12	18.84	18.84	18.84	20.00	
10	25		25	19.10	19.10	19.10	20.00	
10	50		0	18.89	18.89	18.89	20.00	
10	1		0	18.88	18.88	18.88	20.00	
10	1		25	19.02	19.02	19.02	20.00	
10	64QAM		1	49	18.99	18.99	18.99	20.00
10			25	0	18.43	18.43	18.43	19.50
10		25	12	18.63	18.63	18.63	19.50	
10		25	25	18.38	18.38	18.38	19.50	
10		50	0	18.40	18.40	18.40	19.50	
10		1	0	17.03	17.03	17.03	17.50	
10		1	25	17.11	17.11	17.11	17.50	
10		1	49	17.05	17.05	17.05	17.50	
10		25	0	16.95	16.95	16.95	17.50	
10		25	12	16.89	16.89	16.89	17.50	
10	256QAM	25	25	16.96	16.96	16.96	17.50	
10		50	0	16.97	16.97	16.97	17.50	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	18.91	18.96	18.83	20.00	
5		1	12	18.72	18.79	18.66	20.00	
5		1	24	18.76	18.90	18.68	20.00	
5		12	0	18.99	18.99	18.84	20.00	
5		12	7	18.70	18.89	18.64	20.00	
5		12	13	18.67	18.73	18.60	20.00	
5		25	0	18.86	18.95	18.71	20.00	
5		1	0	18.65	18.76	18.62	20.00	
5		1	12	18.78	18.87	18.61	20.00	
5		16QAM	1	24	18.74	18.80	18.60	20.00
5	12		0	18.87	18.97	18.74	20.00	
5	12		7	18.64	18.78	18.67	20.00	
5	12		13	18.89	19.07	18.82	20.00	
5	25		0	18.69	18.82	18.68	20.00	
5	1		0	18.69	18.83	18.66	20.00	
5	1		12	18.86	18.96	18.68	20.00	
5	1		24	18.71	18.79	18.56	20.00	
5	64QAM		12	0	18.22	18.41	18.18	19.50
5			12	7	18.37	18.45	18.20	19.50
5		12	13	18.16	18.34	18.19	19.50	
5		25	0	18.09	18.25	18.08	19.50	
5		1	0	16.76	16.88	16.69	17.50	
5		1	12	16.85	16.96	16.89	17.50	
5		1	24	16.85	16.99	16.90	17.50	
5		256QAM	12	0	16.71	16.85	16.70	17.50
5			12	7	16.73	16.87	16.70	17.50
5			12	13	16.72	16.86	16.74	17.50
5	25		0	16.64	16.80	16.72	17.50	

<LTE Band 30_Ant 2_DSI 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					27710		Tune-up Limit (dBm)	
Frequency (MHz)					2310			
10	QPSK	1	0		22.62		24.00	
10		1	25		22.53		24.00	
10		1	49		22.50		24.00	
10		25	0		22.60		24.00	
10		25	12		22.51		24.00	
10		25	25		22.56		24.00	
10		50	0		22.58		24.00	
10		1	0		22.50		24.00	
10			1	25		22.52		24.00
10			1	49		22.43		24.00
10	16QAM	25	0		21.94		23.00	
10		25	12		21.95		23.00	
10		25	25		21.99		23.00	
10		50	0		21.96		23.00	
10		1	0		22.13		23.00	
10	64QAM	1	25		21.97		23.00	
10		1	49		22.01		23.00	
10		25	0		20.93		22.00	
10		25	12		20.92		22.00	
10		25	25		20.87		22.00	
10	256QAM	50	0		20.91		22.00	
10		1	0		18.99		19.00	
10		1	25		18.97		19.00	
10		1	49		18.96		19.00	
10		25	0		18.99		19.00	
10		25	12		18.98		19.00	
10		25	25		18.95		19.00	
10		50	0		18.99		19.00	
Channel				27685	27710	27735	Tune-up Limit (dBm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.52	22.59	22.55	24.00	
5		1	12	22.35	22.50	22.38	24.00	
5		1	24	22.40	22.50	22.42	24.00	
5		12	0	22.38	22.51	22.42	24.00	
5		12	7	22.35	22.45	22.37	24.00	
5		12	13	22.30	22.47	22.31	24.00	
5		25	0	22.43	22.53	22.40	24.00	
5		1	0	22.30	22.49	22.36	24.00	
5		1	12	22.41	22.57	22.45	24.00	
5		1	24	22.40	22.59	22.53	24.00	
5	16QAM	12	0	21.79	21.91	21.81	23.00	
5		12	7	21.78	21.90	21.78	23.00	
5		12	13	21.83	21.90	21.85	23.00	
5		25	0	21.79	21.85	21.71	23.00	
5		1	0	21.80	21.99	21.86	23.00	
5	64QAM	1	12	21.82	21.87	21.71	23.00	
5		1	24	21.75	21.94	21.82	23.00	
5		12	0	20.71	20.78	20.65	22.00	
5		12	7	20.70	20.87	20.76	22.00	
5		12	13	20.68	20.75	20.60	22.00	
5	256QAM	25	0	20.70	20.88	20.70	22.00	
5		1	0	18.81	18.92	18.80	19.00	
5		1	12	18.68	18.83	18.75	19.00	
5		1	24	18.79	18.88	18.71	19.00	
5		12	0	18.71	18.90	18.77	19.00	
5	256QAM	12	7	18.76	18.95	18.85	19.00	
5		12	13	18.76	18.82	18.76	19.00	
5		25	0	18.73	18.83	18.78	19.00	

<LTE Band 30_Ant 1_DSI 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				27685	27710	27735	19.80
Frequency (MHz)				2307.5	2310	2312.5	
10	QPSK	1	0	18.02	18.07	18.05	19.80
10		1	25	17.98	17.92	17.83	19.80
10		1	49	17.92	17.93	17.81	19.80
10		25	0	17.96	18.02	17.94	19.80
10		25	12	17.89	17.97	17.88	19.80
10		25	25	17.90	17.93	17.91	19.80
10		25	0	17.91	17.93	17.89	19.80
10		50	0	17.82	17.88	17.83	19.80
10		1	12	17.91	17.94	17.87	19.80
10		1	24	17.95	17.99	17.93	19.80
10	16QAM	12	0	17.86	18.02	17.87	19.80
10		12	7	17.85	17.94	17.88	19.80
10		12	13	17.89	17.95	17.86	19.80
10		25	0	17.87	18.01	17.88	19.80
10		1	0	17.86	17.93	17.92	19.80
10		1	12	17.86	17.93	17.90	19.80
10		1	24	17.85	18.00	17.87	19.80
10		12	0	17.84	18.03	17.99	19.80
10		12	7	17.90	17.94	17.83	19.80
10		12	13	17.85	17.93	17.89	19.80
10	64QAM	25	0	17.93	17.98	17.94	19.80
10		1	0	17.92	18.07	17.94	19.80
10		1	12	17.78	17.92	17.78	19.80
10		1	24	17.84	17.93	17.90	19.80
10		12	0	17.83	18.02	17.91	19.80
10		12	7	17.89	17.97	17.84	19.80
10		12	13	17.82	17.93	17.82	19.80
10		25	0	17.78	17.93	17.85	19.80
10	256QAM	1	0	18.02	18.07	18.05	19.80
10		1	25	17.98	17.92	17.83	19.80
10		1	49	17.92	17.93	17.81	19.80
10		25	0	17.96	18.02	17.94	19.80
10		25	12	17.89	17.97	17.88	19.80
10		25	25	17.90	17.93	17.91	19.80
10		25	0	17.91	17.93	17.89	19.80
10		50	0	17.82	17.88	17.83	19.80
10		1	12	17.91	17.94	17.87	19.80
10		1	24	17.95	17.99	17.93	19.80
10	QPSK	12	0	17.86	18.02	17.87	19.80
10		12	7	17.85	17.94	17.88	19.80
10		12	13	17.89	17.95	17.86	19.80
10		25	0	17.87	18.01	17.88	19.80
10		1	0	17.86	17.93	17.92	19.80
10		1	12	17.86	17.93	17.90	19.80
10		1	24	17.85	18.00	17.87	19.80
10		12	0	17.84	18.03	17.99	19.80
10		12	7	17.90	17.94	17.83	19.80
10		12	13	17.85	17.93	17.89	19.80
10	16QAM	25	0	17.93	17.98	17.94	19.80
10		1	0	17.92	18.07	17.94	19.80
10		1	12	17.78	17.92	17.78	19.80
10		1	24	17.84	17.93	17.90	19.80
10		12	0	17.83	18.02	17.91	19.80
10		12	7	17.89	17.97	17.84	19.80
10		12	13	17.82	17.93	17.82	19.80
10		25	0	17.78	17.93	17.85	19.80
10	64QAM	1	0	18.02	18.07	18.05	19.80
10		1	25	17.98	17.92	17.83	19.80
10		1	49	17.92	17.93	17.81	19.80
10		25	0	17.96	18.02	17.94	19.80
10		25	12	17.89	17.97	17.88	19.80
10		25	25	17.90	17.93	17.91	19.80
10		25	0	17.91	17.93	17.89	19.80
10		50	0	17.82	17.88	17.83	19.80
10		1	12	17.91	17.94	17.87	19.80
10		1	24	17.95	17.99	17.93	19.80
10	256QAM	12	0	17.86	18.02	17.87	19.80
10		12	7	17.85	17.94	17.88	19.80
10		12	13	17.89	17.95	17.86	19.80
10		25	0	17.87	18.01	17.88	19.80
10		1	0	17.86	17.93	17.92	19.80
10		1	12	17.86	17.93	17.90	19.80
10		1	24	17.85	18.00	17.87	19.80
10		12	0	17.84	18.03	17.99	19.80
10		12	7	17.90	17.94	17.83	19.80
10		12	13	17.85	17.93	17.89	19.80

<LTE Band 30_Ant 6_DSI 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				27685	27710			
Frequency (MHz)				2307.5	2310	2312.5		
10	QPSK	1	0	19.01	19.03	18.95	20.80	
10		1	25	18.93	19.03	18.84	20.80	
10		1	49	18.85	18.99	18.88	20.80	
10		25	0	18.88	19.03	18.91	20.80	
10		25	12	18.81	18.90	18.82	20.80	
10		25	25	18.86	18.92	18.81	20.80	
10		50	0	18.88	18.99	18.92	20.80	
10		1	0	18.88	18.98	18.89	20.80	
10		1	25	18.87	19.02	18.85	20.80	
10		1	49	18.80	18.93	18.92	20.80	
10	16QAM	25	0	18.82	18.90	18.94	20.80	
10		25	12	18.87	18.95	18.81	20.80	
10		25	25	18.87	18.95	18.81	20.80	
10		50	0	18.92	18.99	18.86	20.80	
10		1	0	18.96	19.01	18.87	20.80	
10		1	25	18.91	19.01	18.87	20.80	
10		1	49	18.98	19.02	18.89	20.80	
10		25	0	18.95	19.02	18.89	20.80	
10		25	12	19.00	19.00	18.90	20.00	
10		25	25	18.98	19.00	18.90	20.00	
10	64QAM	50	0	18.93	19.00	18.90	20.00	
10		1	0	17.03	17.03	16.00	18.00	
10		1	25	17.11	17.11	16.00	18.00	
10		1	49	17.05	17.05	16.00	18.00	
10		25	0	16.95	16.95	16.00	18.00	
10		25	12	16.89	16.89	16.00	18.00	
10		25	25	16.96	16.96	16.00	18.00	
10		50	0	16.97	16.97	16.00	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7	18.87	18.95	18.81	20.80	
5		12	13	18.92	18.99	18.86	20.80	
5		25	0	18.96	19.01	18.87	20.80	
5		1	0	18.94	18.88	18.87	20.80	
5		1	12	18.99	19.02	18.94	20.80	
5		1	24	18.83	18.91	18.83	20.80	
5		12	0	18.81	18.89	18.72	20.00	
5		12	7	18.79	18.95	18.77	20.00	
5		12	13	18.96	19.02	18.90	20.00	
5	64QAM	25	0	18.99	19.02	18.80	20.00	
5		1	0	16.76	16.88	16.69	18.00	
5		1	12	16.85	16.96	16.89	18.00	
5		1	24	16.85	16.99	16.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7	18.87	18.95	18.81	20.80	
5		12	13	18.92	18.99	18.86	20.80	
5		25	0	18.96	19.01	18.87	20.80	
5		1	0	18.94	18.88	18.87	20.80	
5		1	12	18.99	19.02	18.94	20.80	
5		1	24	18.83	18.91	18.83	20.80	
5		12	0	18.81	18.89	18.72	20.00	
5		12	7	18.79	18.95	18.77	20.00	
5		12	13	18.96	19.02	18.90	20.00	
5	64QAM	25	0	18.99	19.02	18.80	20.00	
5		1	0	16.76	16.88	16.69	18.00	
5		1	12	16.85	16.96	16.89	18.00	
5		1	24	16.85	16.99	16.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7	18.87	18.95	18.81	20.80	
5		12	13	18.92	18.99	18.86	20.80	
5		25	0	18.96	19.01	18.87	20.80	
5		1	0	18.94	18.88	18.87	20.80	
5		1	12	18.99	19.02	18.94	20.80	
5		1	24	18.83	18.91	18.83	20.80	
5		12	0	18.81	18.89	18.72	20.00	
5		12	7	18.79	18.95	18.77	20.00	
5		12	13	18.96	19.02	18.90	20.00	
5	64QAM	25	0	18.99	19.02	18.80	20.00	
5		1	0	16.76	16.88	16.69	18.00	
5		1	12	16.85	16.96	16.89	18.00	
5		1	24	16.85	16.99	16.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7	18.87	18.95	18.81	20.80	
5		12	13	18.92	18.99	18.86	20.80	
5		25	0	18.96	19.01	18.87	20.80	
5		1	0	18.94	18.88	18.87	20.80	
5		1	12	18.99	19.02	18.94	20.80	
5		1	24	18.83	18.91	18.83	20.80	
5		12	0	18.81	18.89	18.72	20.00	
5		12	7	18.79	18.95	18.77	20.00	
5		12	13	18.96	19.02	18.90	20.00	
5	64QAM	25	0	18.99	19.02	18.80	20.00	
5		1	0	16.76	16.88	16.69	18.00	
5		1	12	16.85	16.96	16.89	18.00	
5		1	24	16.85	16.99	16.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7	18.87	18.95	18.81	20.80	
5		12	13	18.92	18.99	18.86	20.80	
5		25	0	18.96	19.01	18.87	20.80	
5		1	0	18.94	18.88	18.87	20.80	
5		1	12	18.99	19.02	18.94	20.80	
5		1	24	18.83	18.91	18.83	20.80	
5		12	0	18.81	18.89	18.72	20.00	
5		12	7	18.79	18.95	18.77	20.00	
5		12	13	18.96	19.02	18.90	20.00	
5	64QAM	25	0	18.99	19.02	18.80	20.00	
5		1	0	16.76	16.88	16.69	18.00	
5		1	12	16.85	16.96	16.89	18.00	
5		1	24	16.85	16.99	16.90	18.00	
5		12	0	16.71	16.85	16.70	18.00	
5		12	7	16.73	16.87	16.70	18.00	
5		12	13	16.72	16.86	16.74	18.00	
5		25	0	16.64	16.80	16.72	18.00	
Channel				27685	27710	27735	Tune-up Limit	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	
5	QPSK	1	0	19.01	19.03	18.95	20.80	
5		1	12	18.93	19.03	18.84	20.80	
5		1	24	18.85	18.99	18.88	20.80	
5		12	0	18.88	19.03	18.91	20.80	
5		12	7	18.81	18.90	18.82	20.80	
5		12	13	18.86	18.92	18.81	20.80	
5		25	0	18.88	18.99	18.92	20.80	
5		1	0	18.88	18.98	18.89	20.80	
5		1	12	18.87	19.02	18.85	20.80	
5		1	24	18.80	18.93	18.92	20.80	
5	16QAM	12	0	18.82	18.90	18.94	20.80	
5		12	7					

<FR1 n30_Ant 2_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.40		24.00
10		1	28		23.35		24.00
10		1	50		23.38		24.00
10		25	0		23.32		24.00
10		25	14		23.38		24.00
10		25	27		23.38		24.00
10		50	0		23.31		24.00
10		1	1		23.32		24.00
10		1	26		23.25		24.00
10		1	50		23.32		24.00
10	QPSK	1	0		23.32		24.00
10		25	14		23.31		24.00
10		25	27		23.32		24.00
10		50	0		23.35		24.00
10		16QAM	1	1	23.30		24.00
10		64QAM	1	1	21.75		23.00
10	256QAM	1	1		19.75		21.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.36	23.37	23.27	24.00

<FR1 n14_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.37		24.00
10		1	26		23.30		24.00
10		1	50		23.26		24.00
10		25	0		23.30		24.00
10		25	14		23.35		24.00
10		25	27		23.23		24.00
10		50	0		23.29		24.00
10		1	1		23.24		24.00
10	QPSK	1	26		23.29		24.00
10		1	50		23.12		24.00
10		25	0		23.23		24.00
10		25	14		23.36		24.00
10		25	27		23.30		24.00
10		50	0		23.23		24.00
10		16QAM	1	1		23.22	24.00
10		64QAM	1	1		22.22	23.00
10	256QAM	1	1		20.16		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.31	23.35	23.32	24.00

<FR1 n14_HPUE_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.35		27.00
10		1	26		26.31		27.00
10		1	50		26.29		27.00
10		25	0		25.84		26.50
10		25	14		26.28		27.00
10		25	27		25.81		26.50
10		50	0		25.86		26.50
10		1	1		26.33		27.00
10	QPSK	1	26		26.28		27.00
10		1	50		26.31		27.00
10		25	0		25.29		26.00
10		25	14		26.29		27.00
10		25	27		25.24		26.00
10		50	0		25.21		26.00
10		16QAM	1	1		25.23	26.00
10		64QAM	1	1		23.74	24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.25	26.31	26.28	27.00

<FR1 n30_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.36		24.00
10		1	26		23.33		24.00
10		1	50		23.24		24.00
10		25	0		23.26		24.00
10		25	14		23.34		24.00
10		25	27		23.28		24.00
10		50	0		23.31		24.00
10		1	1		23.15		24.00
10		1	26		23.35		24.00
10		1	50		23.23		24.00
10	QPSK	25	0		23.19		24.00
10		25	14		23.24		24.00
10		25	27		23.28		24.00
10		50	0		23.28		24.00
10		16QAM	1	1		23.17	24.00
10		64QAM	1	1		21.56	23.00
10	256QAM	1	1		19.56		21.00
Channel				461500	462000	462500	Tune-up Limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	23.25	23.30	23.23	24.00

<FR1 n71_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.33		24.00
35		1	90		23.22		24.00
35		1	186		22.88		24.00
35		90	0		23.21		24.00
35		90	45		23.31		24.00
35		90	90		23.17		24.00
35		180	0		23.25		24.00
35		1	1		23.16		24.00
35		1	90		23.32		24.00
35		1	186		23.10		24.00
35	QPSK	90	0		23.26		24.00
35		90	45		23.32		24.00
35		90	90		23.29		24.00
35		180	0		23.22		24.00
35		16QAM	1	1		23.11	24.00
35		64QAM	1	1		22.09	23.00
35	256QAM	1	1		20.16		21.00
Channel				135600	136100	136600	Tune-up Limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.21	23.25	23.24	24.00
Channel				135100	136100	137100	Tune-up Limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.11	23.11	23.21	24.00
Channel				134600	136100	137600	Tune-up Limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.07	23.20	23.14	24.00
Channel				134100	136100	138100	Tune-up Limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.09	23.12	23.14	24.00
Channel				133600	136100	138600	Tune-up Limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.16	23.12	23.17	24.00
Channel				133100	136100	139100	Tune-up Limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.18	23.24	23.18	24.00

<FR1 n71_HPUE_Ant 1_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel					136100			
Frequency (MHz)					680.5			
35	Pi/2 BPSK	1	1		26.31		27.00	
35		1	90		26.29		27.00	
35		1	186		26.13		27.00	
35		90	0		25.72		26.50	
35		90	45		26.26		27.00	
35		90	90		25.73		26.50	
35		180	0		25.78		26.50	
35		1	1		26.29		27.00	
35		1	90		26.19		27.00	
35		1	186		26.23		27.00	
35		QPSK	90	0		25.16		26.00
35			90	45		26.22		27.00
35	90		90		25.17		26.00	
35		180	0		25.07		26.00	
35	16QAM	1	1		25.17		26.00	
35	64QAM	1	1		23.65		24.50	
35	256QAM	1	1		21.59		22.50	
Channel				135600	136100	136600	Tune-up Limit	
Frequency (MHz)				678	680.5	683	(dBm)	
30	Pi/2 BPSK	1	1	26.25	26.28	26.27	27.00	
Channel				135100	136100	137100	Tune-up Limit	
Frequency (MHz)				675.5	680.5	685.5	(dBm)	
25	Pi/2 BPSK	1	1	26.18	26.20	26.20	27.00	
Channel				134600	136100	137600	Tune-up Limit	
Frequency (MHz)				673	680.5	688	(dBm)	
20	Pi/2 BPSK	1	1	26.18	26.22	26.20	27.00	
Channel				134100	136100	138100	Tune-up Limit	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	
15	Pi/2 BPSK	1	1	26.17	26.15	26.23	27.00	
Channel				133600	136100	138600	Tune-up Limit	
Frequency (MHz)				669	680.5	693	(dBm)	
10	Pi/2 BPSK	1	1	26.24	26.14	26.16	27.00	
Channel				133100	136100	139100	Tune-up Limit	
Frequency (MHz)				665.5	680.5	695.5	(dBm)	
5	Pi/2 BPSK	1	1	26.16	26.15	26.15	27.00	

<FR1 n2_Ant 6_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel				374000	376000	376000	Tune-up Limit (dbm)
Frequency (MHz)				1670	1680	1690	
40	Pi/2 BPSK	1	1	21.35	21.58	21.43	22.00
40		1	108	21.13	21.49	21.25	22.00
40		1	214	21.19	21.57	21.39	22.00
40		108	0	20.91	21.28	21.10	22.00
40		108	54	21.13	21.50	21.25	22.00
40		108	108	21.16	21.42	21.26	22.00
40		216	0	21.02	21.33	21.06	22.00
40		1	1	20.88	21.25	21.09	22.00
40		1	108	21.01	21.31	21.10	22.00
40		1	214	21.19	21.47	21.28	22.00
40	QPSK	108	0	21.10	21.36	21.16	22.00
40		108	54	21.03	21.33	21.11	22.00
40		108	108	21.06	21.33	21.07	22.00
40		216	0	20.97	21.32	21.04	22.00
40	16QAM	1	1	20.92	21.20	20.97	22.00
40	64QAM	1	1	19.86	20.22	20.00	21.00
40	256QAM	1	1	17.79	18.11	17.89	19.00
Channel				373500	376000	378500	Tune-up Limit (dbm)
Frequency (MHz)				1667.5	1680	1692.5	
35	Pi/2 BPSK	1	1	21.20	21.46	21.38	22.00
Channel				373000	376000	379000	Tune-up Limit (dbm)
Frequency (MHz)				1665	1680	1695	
30	Pi/2 BPSK	1	1	21.21	21.55	21.41	22.00
Channel				372500	376000	379500	Tune-up Limit (dbm)
Frequency (MHz)				1662.5	1680	1697.5	
25	Pi/2 BPSK	1	1	21.21	21.47	21.31	22.00
Channel				372000	376000	380000	Tune-up Limit (dbm)
Frequency (MHz)				1660	1680	1690	
20	Pi/2 BPSK	1	1	21.25	21.56	21.37	22.00
Channel				371500	376000	380500	Tune-up Limit (dbm)
Frequency (MHz)				1657.5	1680	1692.5	
15	Pi/2 BPSK	1	1	21.31	21.49	21.29	22.00
Channel				371000	376000	381000	Tune-up Limit (dbm)
Frequency (MHz)				1655	1680	1695	
10	Pi/2 BPSK	1	1	21.33	21.46	21.36	22.00
Channel				370500	376000	381500	Tune-up Limit (dbm)
Frequency (MHz)				1652.5	1680	1697.5	
5	Pi/2 BPSK	1	1	21.26	21.49	21.38	22.00

<FR1 n25_Ant 6_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				374000	376500	379000	Tune-up Limit (dBm)	
Frequency (MHz)				1670	1682.5	1695		
40	PI/2 BPSK	1	1	21.43	21.48	21.42	22.00	
40		1	108	21.25	21.45	21.26	22.00	
40		1	214	21.32	21.47	21.36	22.00	
40		108	0	21.16	21.26	21.07	22.00	
40		108	54	21.27	21.42	21.32	22.00	
40		108	108	21.26	21.41	21.22	22.00	
40		216	0	21.21	21.32	21.17	22.00	
40		1	1	21.25	21.40	21.24	22.00	
40		1	108	21.23	21.32	21.19	22.00	
40		1	214	21.25	21.43	21.23	22.00	
40	QPSK	108	0	21.21	21.31	21.12	22.00	
40		108	54	21.20	21.30	21.16	22.00	
40		108	108	21.22	21.32	21.22	22.00	
40		216	0	21.15	21.33	21.25	22.00	
40		16QAM	1	1	21.04	21.21	21.05	22.00
40		64QAM	1	1	20.41	20.50	20.30	21.00
40	256QAM	1	1	18.34	18.40	18.25	19.00	
Channel				373500	376500	379500	Tune-up Limit (dBm)	
Frequency (MHz)				1667.5	1682.5	1697.5		
35	PI/2 BPSK	1	1	21.41	21.41	21.32	22.00	
Channel				373000	376500	380000	Tune-up Limit (dBm)	
Frequency (MHz)				1665	1682.5	1695		
30	PI/2 BPSK	1	1	21.38	21.40	21.37	22.00	
Channel				372500	376500	380500	Tune-up Limit (dBm)	
Frequency (MHz)				1662.5	1682.5	1692.5		
25	PI/2 BPSK	1	1	21.31	21.44	21.33	22.00	
Channel				372000	376500	381000	Tune-up Limit (dBm)	
Frequency (MHz)				1660	1682.5	1695		
20	PI/2 BPSK	1	1	21.35	21.42	21.29	22.00	
Channel				371500	376500	381500	Tune-up Limit (dBm)	
Frequency (MHz)				1657.5	1682.5	1697.5		
15	PI/2 BPSK	1	1	21.35	21.40	21.31	22.00	
Channel				371000	376500	382000	Tune-up Limit (dBm)	
Frequency (MHz)				1655	1682.5	1690		
10	PI/2 BPSK	1	1	21.41	21.36	21.30	22.00	
Channel				370500	376500	382500	Tune-up Limit (dBm)	
Frequency (MHz)				1652.5	1682.5	1697.5		
5	PI/2 BPSK	1	1	21.39	21.36	21.31	22.00	

<FR1 n30_Ant 6_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)				2310			
10	Pi/2 BPSK	1	1		21.53		22.00
10		1	26		21.52		22.00
10		1	50		21.50		22.00
10		25	0		21.48		22.00
10		25	14		21.52		22.00
10		25	27		21.48		22.00
10		50	0		21.47		22.00
10		1	1		21.51		22.00
10		1	26		21.42		22.00
10		1	50		21.43		22.00
10	QPSK	1	0		21.47		22.00
10		25	14		21.44		22.00
10		25	27		21.48		22.00
10		50	0		21.46		22.00
10		1	1		21.42		22.00
10	16QAM	1	1		19.90		21.00
10	256QAM	1	1		17.83		19.00
Channel				461500	462000	462500	
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	21.48	21.52	21.50	22.00

<FR1 n66_Ant 6_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				346000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.86	21.88	21.81	22.00	
45		1	120	21.72	21.78	21.62	22.00	
45		1	240	21.28	21.37	21.18	22.00	
45		120	0	21.52	21.62	21.40	22.00	
45		120	60	21.49	21.63	21.42	22.00	
45		120	120	21.48	21.60	21.39	22.00	
45		240	0	21.49	21.58	21.40	22.00	
45		1	1	21.70	21.79	21.66	22.00	
45		1	120	21.41	21.55	21.35	22.00	
45		1	240	21.28	21.32	21.16	22.00	
45	QPSK	1	0	21.55	21.63	21.47	22.00	
45		120	0	21.48	21.57	21.41	22.00	
45		120	120	21.55	21.61	21.39	22.00	
45		240	0	21.43	21.59	21.50	22.00	
45		16QAM	1	1	21.64	21.73	21.55	22.00
45		64QAM	1	1	20.62	20.70	20.60	21.00
45		256QAM	1	1	18.41	18.47	18.27	19.00
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.74	21.79	21.74	22.00	
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	PI/2 BPSK	1	1	21.73	21.76	21.68	22.00	
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.75	21.78	21.80	22.00	
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.72	21.76	21.66	22.00	
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.73	21.87	21.70	22.00	
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.79	21.78	21.75	22.00	
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.77	21.84	21.70	22.00	
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.79	21.83	21.70	22.00	

<FR1 n70_Ant 6_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	Pi/2 BPSK	1	1		21.75		22.00
15		1	40		21.67		22.00
15		1	77		21.70		22.00
15		36	0		21.56		22.00
15		36	22		21.66		22.00
15		36	43		21.58		22.00
15		75	0		21.54		22.00
15		1	1		21.64		22.00
15		1	40		21.62		22.00
15		1	77		21.63		22.00
15	QPSK	36	0		21.56		22.00
15		36	22		21.44		22.00
15		36	43		21.51		22.00
15		75	0		21.56		22.00
15		16QAM	1	1	21.62		22.00
15		64QAM	1	1	20.59		21.00
15	256QAM	1	1		18.48		19.00
Channel				340000	340500	341000	Tune-up Limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	Pi/2 BPSK	1	1	21.63	21.72	21.68	22.00
Channel				339500	340500	341500	Tune-up Limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	Pi/2 BPSK	1	1	21.55	21.64	21.64	22.00

<FR1 n77 (27Q) Ant 7, Full Power>

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		
Frequency (MHz)					3499.98		
100	Pi/2 BPSK	1	1		23.31		24.00
100		1	137		23.00		24.00
100		1	271		23.10		24.00
100		135	0		22.70		23.50
100		135	69		23.10		24.00
100		135	138		22.50		23.50
100		270	0		22.50		23.50
100		1	1		23.30		24.00
100		1	137		22.90		24.00
100		1	271		23.10		24.00
100	QPSK	135	0		22.10		23.00
100		135	69		23.00		24.00
100		135	138		22.00		23.00
100		270	0		22.00		23.00
100		16QAM	1	1	22.10		23.00
100		64QAM	1	1	20.60		21.50
100	256QAM	1	1		18.70		19.50
Channel				633000	633332	633666	
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi/2 BPSK	1	1		23.23	23.30	24.00
Channel				633666	633332	633000	
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1		23.19	23.25	24.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		23.10	23.16	24.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1		23.20	23.23	24.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		23.15	23.21	24.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		23.18	23.17	24.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		23.13	23.17	24.00
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1		23.21	23.27	24.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		23.18	23.28	24.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		23.16	23.22	24.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		23.11	23.17	24.00

<FR1 n77 (27Q) HPUE Ant 7, Full Power>

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		
Frequency (MHz)					3499.98		
100	Pi/2 BPSK	1	1		26.24		27.00
100		1	137		26.00		27.00
100		1	271		26.06		27.00
100		135	0		26.12		27.00
100		135	69		26.13		27.00
100		135	138		26.00		27.00
100		270	0		26.02		27.00
100		1	1		26.07		27.00
100		1	137		25.83		27.00
100		1	271		25.89		27.00
100	QPSK	135	0		26.04		27.00
100		135	69		26.02		27.00
100		135	138		26.03		27.00
100		270	0		26.06		27.00
100		16QAM	1	1	25.96		27.00
100		64QAM	1	1	24.51		26.00
100	256QAM	1	1		22.00		24.00
Channel				633000	633332	633666	
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi/2 BPSK	1	1		26.18	26.20	27.00
Channel				632666	633332	634000	
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1		26.12	26.12	27.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		26.07	26.14	27.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1		26.11	26.12	27.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		26.05	26.14	27.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		26.09	26.14	27.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		26.11	26.17	27.00
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1		26.08	26.07	27.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		26.10	26.11	27.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		26.10	26.07	27.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		26.16	26.17	27.00

<FR1 n77 (270) Ant 7_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				650000	656668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	23.12	23.26	23.38	23.31	
100		1	137	22.91	22.97	23.22	23.11	
100		1	271	22.79	22.85	23.10	22.88	
100		135	0	22.33	22.56	22.70	22.55	
100		135	69	22.89	23.05	23.26	23.03	
100		135	138	22.23	22.44	22.60	22.44	
100		270	0	22.24	22.40	22.64	22.41	
100		1	1	23.02	23.13	23.32	23.11	
100		1	137	23.00	23.05	23.28	23.04	
100		1	271	22.92	23.11	23.26	23.14	
100		QPSK	135	0	22.90	22.17	22.36	22.12
100			135	69	22.92	23.08	23.25	23.02
100	135		138	22.01	22.16	22.38	22.26	
100	270		0	22.04	22.08	22.30	22.15	
100	16QAM		1	1	21.83	22.00	22.22	22.01
100	64QAM		1	1	20.48	20.64	20.77	20.55
100	256QAM	1	1	18.49	18.51	18.74	18.57	
Channel				649668	655500	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	Pi/2 BPSK	1	1	23.03	23.14	23.29	23.24	
Channel				649334	653333	661334	662000	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	23.10	23.13	23.33	23.15	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	23.01	23.11	23.36	23.20	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	23.02	23.12	23.28	23.27	
Channel				648334	654334	661334	663000	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	23.07	23.22	23.26	23.22	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	23.06	23.22	23.23	23.16	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	22.99	23.24	23.34	23.18	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5	
25	Pi/2 BPSK	1	1	23.05	23.18	23.32	23.28	
Channel				647334	654334	661334	664668	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	23.07	23.16	23.34	23.21	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	23.06	23.24	23.33	23.17	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	23.05	23.18	23.26	23.28	

<FR1 n77 (270) HPUE_Ant 7_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				650000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	26.31	26.23	26.32	26.19	
100		1	137	25.98	25.98	26.11	25.99	
100		1	271	25.86	25.88	26.00	25.86	
100		135	0	25.66	25.55	25.73	25.62	
100		135	69	26.14	26.06	26.25	26.09	
100		135	138	25.10	24.96	25.18	24.97	
100		270	0	25.65	25.61	25.74	25.57	
100		1	1	26.17	26.07	26.27	26.03	
100		1	137	26.15	26.17	26.28	26.10	
100		1	271	26.05	26.04	26.18	26.00	
100		QPSK	135	0	25.40	25.30	25.42	25.21
100		135	69	26.11	26.13	26.26	26.07	
100	135	138	25.42	25.25	25.46	25.30		
100	270	0	25.43	25.29	25.49	25.28		
100	16QAM	1	1	25.20	25.16	25.26	25.11	
100	64QAM	1	1	24.39	24.25	24.48	24.25	
100	256QAM	1	1	22.30	22.13	22.32	22.17	
Channel				649668	655000	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88	
90	Pi/2 BPSK	1	1	26.25	26.11	26.30	26.18	
Channel				649334	653334	661334	662000	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	26.17	26.13	26.30	26.12	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	26.22	26.21	26.18	26.09	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	26.17	26.17	26.20	26.17	
Channel				648334	654034	661334	663000	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	26.21	26.15	26.19	26.15	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	26.23	26.08	26.28	26.12	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	26.21	26.21	26.17	26.14	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5	
25	Pi/2 BPSK	1	1	26.17	26.21	26.30	26.17	
Channel				647334	654334	661334	664668	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	26.27	26.14	26.26	26.16	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	26.25	26.11	26.30	26.09	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	26.21	26.09	26.23	26.11	

<FR1 n78 (27Q) Ant 7 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	23.22			24.00
100		1	137	22.93			24.00
100		1	271	22.95			24.00
100		135	0	22.61			23.50
100		135	69	23.01			24.00
100		135	138	22.38			23.50
100	QPSK	270	0	22.34			23.50
100		1	1	23.12			24.00
100		1	137	22.77			24.00
100		1	271	22.89			24.00
100		135	0	21.96			23.00
100		135	69	22.94			24.00
100	16QAM	135	138	21.95			23.00
100		270	0	21.82			23.00
100	64QAM	1	1	22.05			23.00
100	256QAM	1	1	20.43			21.50
100				18.57			19.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.15			24.00
Channel				633666	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.11			24.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.14			24.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.10			24.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.01			24.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.03			24.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.00			24.00
Channel				630334	633332	636332	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.02			24.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.09			24.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.11			24.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.01			24.00

<FR1 n78 (27Q) HPUE Ant 7 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	26.11			27.00
100		1	137	25.97			27.00
100		1	271	25.95			27.00
100		135	0	25.98			26.50
100		135	69	25.98			27.00
100		135	138	25.84			26.50
100	QPSK	270	0	25.93			26.50
100		1	1	26.01			27.00
100		1	137	25.80			27.00
100		1	271	25.82			27.00
100		135	0	25.96			26.00
100		135	69	25.90			27.00
100	16QAM	135	138	25.95			26.00
100		270	0	26.00			26.00
100	64QAM	1	1	25.88			26.00
100	256QAM	1	1	24.39			24.50
100				21.92			22.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.05			26.01
Channel				632666	633332	634000	
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.92			27.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.91			27.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.98			27.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.01			27.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.95			27.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.01			27.00
Channel				630334	633332	636332	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.04			27.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.95			27.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.93			27.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.91			27.00

<FR1 n78 (270)_Ant 7_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.22		24.00
100		1	137		23.06		24.00
100		1	271		23.07		24.00
100		135	0		22.61		23.50
100		135	69		23.14		24.00
100		135	138		22.52		23.50
100		270	0		22.51		23.50
100		1	1		23.20		24.00
100		1	137		23.16		24.00
100		1	271		23.19		24.00
100	QPSK	135	0		22.31		23.00
100		135	69		23.10		24.00
100		135	138		22.25		23.00
100		270	0		22.21		23.00
100		16QAM	1	1	22.15		23.00
100		64QAM	1	1	20.64		21.50
100	256QAM	1	1		18.61		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.10	23.08	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.06	23.11	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.96	23.09	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.97	23.06	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.01	23.11	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.01	23.10	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.04	23.12	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.06	23.07	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.03	23.11	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.02	23.15	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.99	23.09	24.00

<FR1 n78 (270)_HPUE_Ant 7_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.21		27.00
100		1	137		25.98		27.00
100		1	271		25.96		27.00
100		135	0		25.64		26.50
100		135	69		26.18		27.00
100		135	138		25.08		26.50
100		270	0		25.59		26.50
100		1	1		26.17		27.00
100		1	137		26.18		27.00
100		1	271		26.06		27.00
100	QPSK	135	0		25.28		26.00
100		135	69		26.12		27.00
100		135	138		25.41		26.00
100		270	0		25.35		26.00
100		16QAM	1	1	25.12		26.00
100		64QAM	1	1	24.43		24.50
100	256QAM	1	1		22.28		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		26.13	26.20	27.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		26.12	26.07	27.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		26.07	26.06	27.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		26.00	26.14	27.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		26.06	26.13	27.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		26.00	26.12	27.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		26.08	26.14	27.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		26.06	26.09	27.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		26.06	26.13	27.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		26.02	26.09	27.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		26.06	26.09	27.00

<FR1 n77 (27Q) Ant 5, Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.99	
100	PI/2 BPSK	1	1	23.53			24.00
100		1	137	23.42			24.00
100		1	271	23.38			24.00
100		135	0	22.91			23.50
100		135	69	23.41			24.00
100		135	138	22.84			23.50
100		270	0	22.82			23.50
100		1	1	23.49			24.00
100		1	137	23.20			24.00
100		1	271	23.48			24.00
100	QPSK	135	0	22.45			23.00
100		135	69	23.39			24.00
100		135	138	22.22			23.00
100		270	0	22.34			23.00
100		16QAM	1	1	22.36		23.00
100		64QAM	1	1	20.85		21.50
100	256QAM	1	1		18.84		19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.44	23.50	23.46	24.00
Channel				633666	633332	633000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.32	23.40	23.38	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.36	23.48	23.40	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.33	23.43	23.42	24.00
Channel				631666	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.36	23.44	23.34	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.30	23.44	23.38	24.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.36	23.47	23.36	24.00
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.49	
25	PI/2 BPSK	1	1	23.30	23.38	23.36	24.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.33	23.47	23.39	24.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.42	23.47	23.34	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.41	23.48	23.40	24.00

<FR1 n77 (27Q) HPUE Ant 5, Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.99	
100	PI/2 BPSK	1	1	26.52			27.00
100		1	137	26.48			27.00
100		1	271	26.43			27.00
100		135	0	26.46			27.00
100		135	69	26.48			27.00
100		135	138	26.32			27.00
100		270	0	26.42			27.00
100		1	1	26.39			27.00
100		1	137	26.32			27.00
100		1	271	26.48			27.00
100	QPSK	135	0	26.44			27.00
100		135	69	26.28			27.00
100		135	138	26.36			27.00
100		270	0	26.44			27.00
100		16QAM	1	1	26.48		27.00
100		64QAM	1	1	24.94		26.00
100	256QAM	1	1		22.47		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.45	26.50	26.48	27.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.34	26.35	26.35	27.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.37	26.46	26.42	27.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.35	26.48	26.40	27.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.36	26.44	26.38	27.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.32	26.41	26.43	27.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.33	26.40	26.38	27.00
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.49	
25	PI/2 BPSK	1	1	26.39	26.40	26.39	27.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.32	26.39	26.40	27.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.41	26.37	26.41	27.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.36	26.42	26.37	27.00

<FR1 n77 (270) Ant 5 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	23.31	23.52	23.66	24.00
100		1	137	23.06	23.19	23.46	24.00
100		1	271	22.84	23.11	23.32	24.00
100		135	0	22.54	22.77	22.99	23.50
100		135	69	23.03	23.26	23.50	24.00
100		135	138	22.42	22.67	22.88	23.50
100		270	0	22.53	22.69	22.92	23.50
100		1	1	23.24	23.35	23.62	24.00
100		1	137	22.90	23.13	23.34	24.00
100		1	271	22.77	22.94	23.22	24.00
100	QPSK	135	0	21.93	22.16	22.41	23.00
100		135	69	22.87	23.17	23.35	24.00
100		135	138	21.78	21.97	22.23	23.00
100		270	0	21.86	22.10	22.27	23.00
100	16QAM	1	1	22.15	22.29	22.52	23.00
100	64QAM	1	1	20.54	20.82	20.97	21.50
100	256QAM	1	1	18.68	18.85	18.98	19.50
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88
90	Pi/2 BPSK	1	1	23.16	23.35	23.53	24.00
Channel				640334	653334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	23.17	23.47	23.64	24.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	23.19	23.39	23.63	24.00
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	23.21	23.50	23.60	24.00
Channel				640334	654034	661334	663096
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	23.30	23.38	23.61	24.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	23.20	23.40	23.55	24.00
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	23.26	23.46	23.60	24.00
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	23.17	23.41	23.53	24.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	23.25	23.40	23.59	24.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	23.28	23.41	23.53	24.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	23.24	23.46	23.58	24.00

<FR1 n77 (270) HPUE_Ant 5 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				650000	655668	661334	662000
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	26.26	26.39	26.63	27.00
100		1	137	25.93	26.09	26.44	27.00
100		1	271	25.00	25.03	25.35	27.00
100		135	0	26.00	26.15	26.45	26.50
100		135	69	26.07	26.25	26.59	27.00
100		135	138	25.91	26.01	26.32	26.50
100		270	0	26.01	26.16	26.48	26.50
100		1	1	25.95	25.97	26.34	27.00
100		1	137	26.08	26.22	26.55	27.00
100		1	271	25.18	25.28	25.65	27.00
100	QPSK	135	0	26.08	26.22	26.51	26.50
100		135	69	26.19	26.31	26.61	27.00
100		135	138	25.66	25.79	26.12	27.00
100		270	0	25.86	25.96	26.28	27.00
100	16QAM	1	1	25.83	26.10	26.38	27.00
100	64QAM	1	1	24.31	24.38	24.70	26.00
100	256QAM	1	1	21.88	22.01	22.24	23.00
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88
90	Pi/2 BPSK	1	1	26.24	26.27	26.56	27.00
Channel				640334	653334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	26.24	26.25	26.61	27.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	26.24	26.28	26.49	27.00
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	26.22	26.32	26.58	27.00
Channel				640334	654034	661334	663096
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	26.18	26.37	26.57	27.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	26.13	26.33	26.58	27.00
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	26.22	26.35	26.57	27.00
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	26.20	26.33	26.59	27.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	26.15	26.25	26.55	27.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	26.18	26.35	26.53	27.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	26.22	26.34	26.60	27.00

<FR1 n78 (27Q) Ant 5 Full Power>

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)				633332	3499.98		
100	PI/2 BPSK	1	1	23.37			24.00
100		1	137	23.25			24.00
100		1	271	23.32			24.00
100		135	0	22.86			23.50
100		135	69	23.33			24.00
100		135	138	22.80			23.50
100		270	0	22.66			23.50
100		1	1	23.25			24.00
100		1	137	23.16			24.00
100		1	271	23.35			24.00
100	QPSK	135	0	22.38			23.00
100		135	69	23.23			24.00
100		135	138	22.15			23.00
100		270	0	22.24			23.00
100		16QAM	1	1	22.27		23.00
100		64QAM	1	1	20.79		21.50
100	256QAM	1	1	18.68		19.50	
Channel				633000	633332	633666	Tune-up Limit
Frequency (MHz)				3495	3499.98	3504.99	(dBm)
90	PI/2 BPSK	1	1	23.32	23.34	23.28	24.00
Channel				632666	633332	634000	Tune-up Limit
Frequency (MHz)				3499.02	3499.98	3510	(dBm)
80	PI/2 BPSK	1	1	23.19	23.22	23.24	24.00
Channel				632334	633332	634332	Tune-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)
70	PI/2 BPSK	1	1	23.31	23.24	23.25	24.00
Channel				632000	633332	634666	Tune-up Limit
Frequency (MHz)				3480	3499.98	3519.99	(dBm)
60	PI/2 BPSK	1	1	23.31	23.20	23.25	24.00
Channel				631666	633332	635000	Tune-up Limit
Frequency (MHz)				3475.02	3499.98	3525	(dBm)
50	PI/2 BPSK	1	1	23.25	23.20	23.20	24.00
Channel				631334	633332	635332	Tune-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)
40	PI/2 BPSK	1	1	23.22	23.30	23.16	24.00
Channel				631000	633332	635666	Tune-up Limit
Frequency (MHz)				3465	3499.98	3534.99	(dBm)
30	PI/2 BPSK	1	1	23.24	23.24	23.19	24.00
Channel				630834	633332	635832	Tune-up Limit
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)
25	PI/2 BPSK	1	1	23.24	23.19	23.22	24.00
Channel				630666	633332	636000	Tune-up Limit
Frequency (MHz)				3460.02	3499.98	3540	(dBm)
20	PI/2 BPSK	1	1	23.30	23.25	23.15	24.00
Channel				630500	633332	636166	Tune-up Limit
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)
15	PI/2 BPSK	1	1	23.25	23.29	23.20	24.00
Channel				630334	633332	636332	Tune-up Limit
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)
10	PI/2 BPSK	1	1	23.21	23.22	23.15	24.00

<FR1 n78 (27Q) HPUE Ant 5 Full Power>

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)				633332	3499.98			
100	PI/2 BPSK	1	1	26.45			27.00	
100		1	137	26.36			27.00	
100		1	271	26.25			27.00	
100		135	0	26.32			26.50	
100		135	69	26.32			27.00	
100		135	138	26.16			26.50	
100		270	0	26.31			26.50	
100		1	1	26.36			27.00	
100		1	137	26.21			27.00	
100		1	271	26.38			27.00	
100	QPSK	135	0	26.32			27.00	
100		135	69	26.17			27.00	
100		135	138	26.24			27.00	
100		270	0	26.31			27.00	
100		16QAM	1	1	26.37		27.00	
100		64QAM	1	1	24.79		26.00	
100		256QAM	1	1	22.44		24.00	
Channel				633000	633332	633666	Tune-up Limit	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	
90	PI/2 BPSK	1	1	26.36	26.40	26.37	27.00	
Channel				632666	633332	634000	Tune-up Limit	
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	
80	PI/2 BPSK	1	1	26.21	26.37	26.24	27.00	
Channel				632334	633332	634332	Tune-up Limit	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	
70	PI/2 BPSK	1	1	26.22	26.36	26.25	27.00	
Channel				632000	633332	634666	Tune-up Limit	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	
60	PI/2 BPSK	1	1	26.24	26.33	26.26	27.00	
Channel				631666	633332	635000	Tune-up Limit	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	
50	PI/2 BPSK	1	1	26.21	26.37	26.33	27.00	
Channel				631334	633332	635332	Tune-up Limit	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	
40	PI/2 BPSK	1	1	26.34	26.33	26.33	27.00	
Channel				631000	633332	635666	Tune-up Limit	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	
30	PI/2 BPSK	1	1	26.23	26.26	26.26	27.00	
Channel				630834	633332	635832	Tune-up Limit	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	
25	PI/2 BPSK	1	1	26.32	26.37	26.33	27.00	
Channel				630666	633332	636000	Tune-up Limit	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	
20	PI/2 BPSK	1	1	26.26	26.33	26.24	27.00	
Channel				630500	633332	636166	Tune-up Limit	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	
15	PI/2 BPSK	1	1	26.25	26.29	26.36	27.00	
Channel				630334	633332	636332	Tune-up Limit	
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	
10	PI/2 BPSK	1	1	26.28	26.34	26.28	27.00	

<FR1 n78 (270)_Ant 5_Full Power>

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)					3750		
100	Pi/2 BPSK	1	1		23.44		24.00
100		1	137		23.04		24.00
100		1	271		22.97		24.00
100		135	0		22.62		23.50
100		135	69		23.24		24.00
100		135	138		22.53		23.50
100		270	0		22.53		23.50
100		1	1		23.23		24.00
100		1	137		23.10		24.00
100		1	271		22.80		24.00
100	QPSK	135	0		22.36		23.00
100		135	69		23.06		24.00
100		135	138		21.86		23.00
100		270	0		21.94		23.00
100		16QAM	1	1	22.20		23.00
100		64QAM	1	1	20.77		21.50
100	256QAM	1	1		18.77		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.36	23.41	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.26	23.30	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.32	23.32	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.33	23.34	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.32	23.38	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.34	23.35	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.28	23.40	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.24	23.33	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.22	23.35	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.23	23.27	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.25	23.39	24.00

<FR1 n78 (270)_HPUE_Ant 5_Full Power>

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)					3750		
100	Pi/2 BPSK	1	1		26.34		27.00
100		1	137		26.37		27.00
100		1	271		25.21		27.00
100		135	0		26.30		26.50
100		135	69		26.51		27.00
100		135	138		26.23		26.50
100		270	0		26.42		26.50
100		1	1		26.31		27.00
100		1	137		26.51		27.00
100		1	271		25.57		27.00
100	QPSK	135	0		26.36		27.00
100		135	69		26.51		27.00
100		135	138		26.06		27.00
100		270	0		26.23		27.00
100		16QAM	1	1	26.32		27.00
100		64QAM	1	1	24.59		26.00
100	256QAM	1	1		22.19		24.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		26.43	26.51	26.50
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		26.42	26.45	26.48
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		26.40	26.45	26.42
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		26.38	26.42	26.45
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		26.37	26.46	26.40
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		26.42	26.42	26.47
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		26.36	26.36	26.44
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		26.33	26.49	26.39
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		26.34	26.40	26.40
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		26.36	26.47	26.43
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		26.33	26.38	26.41

<FR1 n77 (27Q), Ant 4, Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633000	633332	633666	24.00
Frequency (MHz)				3485	3499.98	3504.99	
100	PI/2 BPSK	1	1	23.24	23.34	23.22	24.00
100		1	137	22.93			24.00
100		1	271	22.96			24.00
100		135	0	22.56			24.00
100		135	69	22.98			24.00
100		135	138	22.38			24.00
100		270	0	22.41			24.00
100		1	1	23.34			24.00
100		1	137	22.81			24.00
100		1	271	22.92			24.00
100	QPSK	135	0	22.01			23.00
100		135	69	23.01			24.00
100		135	138	21.86			23.00
100		270	0	21.92			23.00
100		16QAM	1	1	22.11		23.00
100		64QAM	1	1	20.54		21.00
100	256QAM	1	1		18.61		19.00
Channel				633000	633332	633666	24.00
Frequency (MHz)				3485	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.24	23.34	23.22	24.00
Channel				630668	633332	634000	24.00
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.22	23.26	23.13	24.00
Channel				632334	633332	634332	24.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.23	23.26	23.18	24.00
Channel				632000	633332	634666	24.00
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.10	23.26	23.15	24.00
Channel				631668	633332	635000	24.00
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.21	23.28	23.14	24.00
Channel				631334	633332	635332	24.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.18	23.24	23.13	24.00
Channel				631000	633332	635666	24.00
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.22	23.30	23.11	24.00
Channel				630834	633332	635832	24.00
Frequency (MHz)				3462.51	3499.98	3537.49	
25	PI/2 BPSK	1	1	23.21	23.24	23.18	24.00
Channel				630668	633332	636000	24.00
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.17	23.29	23.10	24.00
Channel				630500	633332	636166	24.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.17	23.26	23.16	24.00
Channel				630334	633332	636332	24.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.15	23.24	23.19	24.00

<FR1 n77 (27Q), HPUE, Ant 4, Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633000	633332	633666	27.00
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	26.03			27.00
100		1	137	25.78			27.00
100		1	271	25.82			27.00
100		135	0	25.56			27.00
100		135	69	26.00			27.00
100		135	138	25.82			27.00
100		270	0	25.97			27.00
100		1	1	25.58			27.00
100		1	137	25.73			27.00
100		1	271	25.88			27.00
100	QPSK	135	0	25.36			27.00
100		135	69	25.91			27.00
100		135	138	25.81			27.00
100		270	0	25.59			27.00
100		16QAM	1	1	24.80		26.00
100		64QAM	1	1	23.53		24.50
100	256QAM	1	1		22.25		22.50
Channel				633000	633332	633666	27.00
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.88	26.02	25.98	27.00
Channel				632668	633332	634000	27.00
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.81	25.96	25.84	27.00
Channel				632334	633332	634332	27.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.86	25.95	25.93	27.00
Channel				632000	633332	634666	27.00
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.79	25.92	25.92	27.00
Channel				631668	633332	635000	27.00
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.73	25.91	25.88	27.00
Channel				631334	633332	635332	27.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.87	25.93	25.84	27.00
Channel				631000	633332	635666	27.00
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.76	25.95	25.90	27.00
Channel				630834	633332	635832	27.00
Frequency (MHz)				3462.51	3499.98	3537.49	
25	PI/2 BPSK	1	1	25.82	25.91	25.91	27.00
Channel				630668	633332	636000	27.00
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.82	25.92	25.95	27.00
Channel				630500	633332	636166	27.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.76	25.98	25.88	27.00
Channel				630334	633332	636332	27.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.80	25.95	25.87	27.00

<FR1 n77 (270) Ant 4 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				655000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	23.26	23.35	23.40	23.25	
100		1	137	22.81	23.00	23.08	22.96	
100		1	271	22.52	22.92	23.08	22.87	
100		135	0	22.45	22.55	22.69	22.46	
100		135	69	22.99	23.11	23.18	22.94	
100		135	138	22.44	22.56	22.72	22.51	
100		270	0	22.49	22.50	22.67	22.50	
100		1	1	23.05	23.07	23.26	23.07	
100		1	137	22.97	22.95	23.13	22.92	
100		1	271	22.82	22.96	23.08	22.93	
100	QPSK	135	0	21.93	22.10	22.16	22.02	
100		135	69	22.81	22.91	23.02	22.86	
100		135	138	21.87	22.03	22.13	22.01	
100		270	0	21.98	22.03	22.18	21.99	
100		16QAM	1	1	21.93	22.02	22.11	21.90
100		64QAM	1	1	20.27	20.37	20.51	20.27
100		256QAM	1	1	18.42	18.39	18.58	18.34
Channel				649668	655500	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	Pi/2 BPSK	1	1	23.16	23.24	23.35	23.21	
Channel				640334	653334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	23.14	23.25	23.32	23.21	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	23.13	23.30	23.32	23.24	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	23.18	23.20	23.34	23.22	
Channel				648334	654934	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	23.14	23.32	23.36	23.16	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	23.18	23.25	23.36	23.16	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	23.16	23.30	23.32	23.17	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5	
25	Pi/2 BPSK	1	1	23.18	23.22	23.31	23.18	
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	23.19	23.33	23.32	23.19	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	23.20	23.29	23.27	23.14	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	23.18	23.33	23.36	23.21	

<FR1 n77 (270) HPUE_Ant 4 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				650000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	25.64	25.71	25.72	25.56	
100		1	137	25.36	25.50	25.52	25.30	
100		1	271	25.44	25.50	25.53	25.39	
100		135	0	24.60	24.78	24.82	24.72	
100		135	69	25.25	25.33	25.45	25.24	
100		135	138	24.81	24.93	24.96	24.72	
100		270	0	25.06	25.06	25.17	25.03	
100		1	1	25.27	25.35	25.42	25.23	
100		1	137	25.36	25.48	25.58	25.42	
100		1	271	25.43	25.52	25.60	25.43	
100	QPSK	135	0	24.60	24.72	24.77	24.64	
100		135	69	25.36	25.50	25.57	25.35	
100		135	138	24.59	24.68	24.78	24.62	
100		270	0	24.62	24.77	24.84	24.67	
100		16QAM	1	1	24.39	24.39	24.51	24.34
100		64QAM	1	1	23.08	23.19	23.27	23.06
100		256QAM	1	1	21.36	21.45	21.47	21.23
Channel				649668	655000	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88	
90	Pi/2 BPSK	1	1	25.53	25.59	25.59	25.52	
Channel				640334	653334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	25.58	25.66	25.67	25.51	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	25.51	25.67	25.69	25.53	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	25.58	25.61	25.64	25.49	
Channel				640334	654034	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	25.51	25.67	25.64	25.50	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	25.57	25.58	25.65	25.50	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	25.56	25.58	25.68	25.53	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	Pi/2 BPSK	1	1	25.58	25.65	25.64	25.49	
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	25.51	25.70	25.69	25.49	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	25.55	25.64	25.60	25.47	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	25.56	25.59	25.71	25.51	

<FR1 n78 (27Q) Ant 4 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				633000	633332		Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	23.27	23.27	24.00	24.00	
100		1	137	22.86	22.86	24.00	24.00	
100		1	271	22.88	22.88	24.00	24.00	
100		135	0	22.47	22.47	23.50	23.50	
100		135	69	23.10	23.10	24.00	24.00	
100		135	138	22.33	22.33	23.50	23.50	
100		270	0	22.25	22.25	23.50	23.50	
100		1	1	23.09	23.09	24.00	24.00	
100		1	137	22.74	22.74	24.00	24.00	
100		1	271	22.77	22.77	24.00	24.00	
100	QPSK	135	0	21.87	21.87	23.00	23.00	
100		135	69	22.83	22.83	24.00	24.00	
100		135	138	21.84	21.84	23.00	23.00	
100		270	0	21.89	21.89	23.00	23.00	
100		16QAM	1	1	22.06	22.06	23.00	23.00
100		64QAM	1	1	20.45	20.45	21.50	21.50
100		256QAM	1	1	18.56	18.56	19.50	19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	23.20	23.23	23.18	24.00	
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	23.09	23.10	23.13	24.00	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.11	23.19	23.12	24.00	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	23.14	23.19	23.04	24.00	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.16	23.19	23.15	24.00	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.10	23.20	23.04	24.00	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.16	23.09	23.15	24.00	
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1	23.18	23.16	23.06	24.00	
Channel				630668	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.11	23.18	23.17	24.00	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1	23.12	23.12	23.14	24.00	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1	23.07	23.11	23.12	24.00	

<FR1 n78 (27Q) HPUE Ant 4 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	25.91	25.96	25.83	27.00	
100		1	137	25.64	25.64	27.00	27.00	
100		1	271	25.68	25.68	27.00	27.00	
100		135	0	25.51	25.51	26.50	26.50	
100		135	69	25.89	25.89	27.00	27.00	
100		135	138	25.67	25.67	26.50	26.50	
100		270	0	25.79	25.79	26.50	26.50	
100		1	1	25.46	25.46	27.00	27.00	
100		1	137	25.59	25.59	27.00	27.00	
100		1	271	25.71	25.71	27.00	27.00	
100	QPSK	135	0	25.10	25.10	26.00	26.00	
100		135	69	25.79	25.79	27.00	27.00	
100		135	138	25.67	25.67	26.00	26.00	
100		270	0	25.48	25.48	26.00	26.00	
100		16QAM	1	1	24.75	24.75	26.00	26.00
100		64QAM	1	1	23.44	23.44	24.50	24.50
100	256QAM	1	1	22.08	22.08	22.50	22.50	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	25.91	25.93	25.83	27.00	
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	25.80	25.79	25.74	27.00	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	25.76	25.86	25.74	27.00	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	25.88	25.86	25.74	27.00	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	25.87	25.92	25.69	27.00	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	25.88	25.89	25.69	27.00	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	25.81	25.86	25.82	27.00	
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1	25.81	25.86	25.75	27.00	
Channel				630668	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	25.82	25.87	25.74	27.00	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1	25.84	25.78	25.72	27.00	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1	25.88	25.84	25.81	27.00	

<FR1 n78 (270)_Ant 4_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.31		24.00
100		1	137		23.03		24.00
100		1	271		23.02		24.00
100		135	0		22.67		23.50
100		135	69		23.04		24.00
100		135	138		22.69		23.50
100		270	0		22.53		23.50
100		1	1		23.14		24.00
100		1	137		23.00		24.00
100		1	271		22.95		24.00
100	QPSK	135	0		22.01		23.00
100		135	69		22.99		24.00
100		135	138		21.97		23.00
100		270	0		22.05		23.00
100		16QAM	1	1	22.04		23.00
100		64QAM	1	1	20.39		21.50
100	256QAM	1	1		18.55		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.28	23.26	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.16	23.25	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.26	23.27	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.20	23.28	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.17	23.20	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.15	23.24	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.23	23.21	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.25	23.21	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.16	23.24	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.18	23.19	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.19	23.17	24.00

<FR1 n78 (270)_HPUE_Ant 4_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		25.94		27.00
100		1	137		25.36		27.00
100		1	271		25.49		27.00
100		135	0		24.80		26.50
100		135	69		25.55		27.00
100		135	138		24.89		26.50
100		270	0		25.06		26.50
100		1	1		25.25		27.00
100		1	137		25.51		27.00
100		1	271		25.57		27.00
100	QPSK	135	0		24.47		26.00
100		135	69		25.51		27.00
100		135	138		24.73		26.00
100		270	0		24.75		26.00
100		16QAM	1	1	24.46		26.00
100		64QAM	1	1	23.22		24.50
100	256QAM	1	1		21.39		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		25.58	25.63	26.60
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		25.53	25.55	26.59
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		25.45	25.55	26.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		25.45	25.60	26.56
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		25.46	25.56	26.48
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		25.51	25.54	26.46
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		25.45	25.51	26.53
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		25.46	25.61	26.54
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		25.43	25.51	26.51
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		25.56	25.61	26.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		25.48	25.59	26.52

<FR1 n77 (27Q), Ant 8, Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel				633000	633332		
Frequency (MHz)				3485	3499.98		
100	PI/2 BPSK	1	1	23.78			24.00
100			137	23.32			24.00
100			271	23.03			24.00
100		135	0	23.02			23.50
100		135	69	23.43			24.00
100		135	138	22.73			23.50
100		270	0	22.86			23.50
100		1	1	23.77			24.00
100			137	23.35			24.00
100			271	23.07			24.00
100	QPSK	135	0	22.51			23.00
100		135	69	23.36			24.00
100		135	138	22.19			23.00
100		270	0	22.35			23.00
100		16QAM	1	1	22.64		23.00
100		64QAM	1	1	21.19		21.50
100	256QAM	1	1	19.17		19.50	
Channel				633000	633332	633666	Tune-up Limit (dbm)
Frequency (MHz)				3485	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.70	23.75	23.72	24.00
Channel				633666	633332	633000	Tune-up Limit (dbm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.60	23.65	23.69	24.00
Channel				632334	633332	634332	Tune-up Limit (dbm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.67	23.61	23.59	24.00
Channel				632000	633332	634666	Tune-up Limit (dbm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.56	23.74	23.67	24.00
Channel				631666	633332	635000	Tune-up Limit (dbm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.57	23.68	23.63	24.00
Channel				631334	633332	635332	Tune-up Limit (dbm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.67	23.72	23.60	24.00
Channel				631000	633332	635666	Tune-up Limit (dbm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.67	23.63	23.62	24.00
Channel				630634	633332	635832	Tune-up Limit (dbm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.55	23.65	23.71	24.00
Channel				630666	633332	636000	Tune-up Limit (dbm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.63	23.69	23.69	24.00
Channel				630500	633332	636166	Tune-up Limit (dbm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.56	23.65	23.60	24.00
Channel				630334	633332	636332	Tune-up Limit (dbm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.66	23.69	23.69	24.00

<FR1 n77 (27Q), HPUE, Ant 8, Full Power>

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			
Frequency (MHz)					3499.98			
100	Pi/2 BPSK	1	1		26.84		27.00	
100		1	137		26.52		27.00	
100		1	271		26.18		27.00	
100		135	0		26.74		27.00	
100		135	69		26.78		27.00	
100		135	138		26.45		27.00	
100		270	0		26.61		27.00	
100		1	1		26.81		27.00	
100		1	137		26.50		27.00	
100		1	271		26.14		27.00	
100	QPSK	135	0		26.70		27.00	
100		135	69		26.60		27.00	
100		135	138		26.46		27.00	
100		270	0		26.61		27.00	
100		16QAM	1	1		26.76		27.00
100		64QAM	1	1		25.00		26.00
100	256QAM	1	1		22.78		24.00	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	Pi/2 BPSK	1	1	26.76	26.63	26.78	27.00	
Channel				633066	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	Pi/2 BPSK	1	1	26.67	26.73	26.70	27.00	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	Pi/2 BPSK	1	1	26.69	26.73	26.67	27.00	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	Pi/2 BPSK	1	1	26.71	26.79	26.68	27.00	
Channel				631666	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	Pi/2 BPSK	1	1	26.70	26.79	26.73	27.00	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	Pi/2 BPSK	1	1	26.74	26.82	26.77	27.00	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	Pi/2 BPSK	1	1	26.70	26.71	26.63	27.00	
Channel				630634	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	Pi/2 BPSK	1	1	26.75	26.75	26.68	27.00	
Channel				630666	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	Pi/2 BPSK	1	1	26.69	26.77	26.75	27.00	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	Pi/2 BPSK	1	1	26.71	26.75	26.64	27.00	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	Pi/2 BPSK	1	1	26.69	26.72	26.67	27.00	

<FR1 n77 (270) Ant 8 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				655000	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	23.93	23.88	23.95	23.83
100		1	137	23.73	23.65	23.76	23.54
100		1	271	23.79	23.68	23.86	23.74
100		135	0	22.90	22.86	23.05	22.93
100		135	69	23.78	23.72	23.89	23.64
100		135	138	23.16	23.20	23.30	23.13
100		270	0	23.05	22.93	23.13	22.92
100		1	1	23.30	23.26	23.46	23.28
100		1	137	23.66	23.61	23.77	23.54
100		1	271	23.78	23.66	23.86	23.68
100	QPSK	135	0	22.39	22.29	22.47	22.26
100		135	69	23.69	23.61	23.82	23.64
100		135	138	22.73	22.70	22.82	22.60
100		270	0	22.62	22.50	22.66	22.46
100	16QAM	1	1	22.27	22.12	22.33	22.09
100	64QAM	1	1	20.76	20.71	20.80	20.64
100	256QAM	1	1	18.94	18.86	18.97	18.75
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.86
90	Pi/2 BPSK	1	1	23.80	23.80	23.87	23.75
Channel				640334	653334	661334	662096
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	23.85	23.75	23.84	23.70
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	23.88	23.81	23.85	23.70
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	23.33	23.85	23.82	23.81
Channel				640334	653034	661334	663096
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	23.84	23.75	23.86	23.73
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	23.86	23.76	23.93	23.77
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	23.81	23.81	23.85	23.80
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	23.91	23.70	23.87	23.74
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	23.84	23.84	23.94	23.76
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	23.83	23.84	23.89	23.82
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	23.87	23.79	23.87	23.76

<FR1 n77 (270) HPUE_Ant 8 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				650000	655668	661334	662000
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	26.37	26.53	26.55	26.42
100		1	137	26.18	26.39	26.50	26.36
100		1	271	26.19	26.35	26.43	26.30
100		135	0	25.67	25.83	25.95	25.82
100		135	69	26.29	26.45	26.54	26.40
100		135	138	25.17	25.33	25.48	25.23
100		270	0	25.78	26.01	26.09	25.86
100		1	1	26.15	26.36	26.41	26.20
100		1	137	26.05	26.21	26.37	26.14
100		1	271	26.09	26.28	26.41	26.22
100	QPSK	135	0	25.29	25.43	25.58	25.39
100		135	69	26.07	26.23	26.38	26.26
100		135	138	25.22	25.38	25.44	25.29
100		270	0	25.46	25.55	25.66	25.49
100	16QAM	1	1	25.23	25.46	25.49	25.32
100	64QAM	1	1	23.98	24.09	24.20	23.98
100	256QAM	1	1	22.04	22.12	22.21	21.99
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.86
90	Pi/2 BPSK	1	1	26.35	26.40	26.43	26.40
Channel				640334	653334	661334	662096
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	26.26	26.46	26.53	26.33
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	26.25	26.41	26.44	26.38
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	26.26	26.48	26.46	26.31
Channel				640334	653034	661334	663096
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	26.30	26.43	26.47	26.31
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	26.31	26.43	26.48	26.35
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	26.22	26.40	26.47	26.36
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	26.28	26.42	26.52	26.31
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	26.28	26.45	26.53	26.37
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	26.31	26.47	26.49	26.41
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	26.26	26.47	26.45	26.38

<FR1 n78 (27Q) Ant 8 Full Power>

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			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		23.65		24.00	
100			137		23.25		24.00	
100			1	271		23.00	24.00	
100		135	0		22.87		23.50	
100		135	69		23.40		24.00	
100		135	138		22.80		23.50	
100		270	0		22.77		23.50	
100		1	1		23.63		24.00	
100		1	137		23.24		24.00	
100		1	271		22.92		24.00	
100	QPSK	135	0		22.49		23.00	
100		135	69		23.23		24.00	
100		135	138		22.11		23.00	
100		270	0		22.30		23.00	
100		16QAM	1	1		22.61		23.00
100		64QAM	1	1		21.07		21.50
100	256QAM	1	1		19.04		19.50	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	23.60	23.62	23.56	24.00	
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	23.55	23.57	23.41	24.00	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.56	23.49	23.42	24.00	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	23.58	23.54	23.53	24.00	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.56	23.50	23.54	24.00	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.49	23.60	23.42	24.00	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.50	23.56	23.51	24.00	
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1	23.49	23.60	23.45	24.00	
Channel				630668	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.58	23.56	23.44	24.00	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1	23.56	23.48	23.43	24.00	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1	23.48	23.61	23.48	24.00	

<FR1 n78 (27Q) HPUE Ant 8 Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				633000	633332	633666	27.00	
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	26.75	26.48	26.75	27.00	
100		1	137	26.48	26.02	26.94	27.00	
100		1	271	26.02	26.46	26.54	27.00	
100		135	0	26.46	26.69	26.23	27.00	
100		135	69	26.69	26.37	27.00	27.00	
100		135	138	26.37	26.55	26.19	27.00	
100		270	0	26.55	26.66	26.44	27.00	
100		1	1	26.66	26.00	27.12	27.00	
100		1	137	26.00	26.46	26.54	27.00	
100		1	271	26.46	26.39	26.93	27.00	
100	QPSK	135	69	26.39	26.49	26.30	27.00	
100		135	138	26.49	26.65	26.30	27.00	
100		270	0	26.65	26.85	26.40	27.00	
100		1	1	26.85	26.45	27.25	27.00	
100		16QAM	1	1			27.00	
100		64QAM	1	1			27.00	
100		256QAM	1	1			27.00	
Channel				633000	633332	633666	27.00	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	26.60	26.63	26.62	27.00	
Channel				632668	633332	634000	27.00	
Frequency (MHz)				3490.02	3499.98	3500.00		
80	PI/2 BPSK	1	1	26.48	26.50	26.55	27.00	
Channel				632334	633332	634332	27.00	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	26.56	26.48	26.58	27.00	
Channel				632000	633332	634666	27.00	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	26.47	26.51	26.60	27.00	
Channel				631668	633332	635000	27.00	
Frequency (MHz)				3475.02	3499.98	3525.00		
50	PI/2 BPSK	1	1	26.50	26.57	26.54	27.00	
Channel				631334	633332	635332	27.00	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	26.47	26.60	26.55	27.00	
Channel				631000	633332	635666	27.00	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	26.58	26.60	26.60	27.00	
Channel				630834	633332	635832	27.00	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1	26.49	26.57	26.61	27.00	
Channel				630668	633332	636000	27.00	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	26.57	26.51	26.51	27.00	
Channel				630500	633332	636166	27.00	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1	26.54	26.56	26.54	27.00	
Channel				630334	633332	636332	27.00	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1	26.56	26.49	26.55	27.00	

<FR1 n78 (270)_Ant 8_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.82		24.00
100		1	137		23.48		24.00
100		1	271		23.65		24.00
100		135	0		22.96		23.50
100		135	69		23.73		24.00
100		135	138		23.23		23.50
100		270	0		22.87		23.50
100		1	1		23.31		24.00
100		1	137		23.42		24.00
100		1	271		23.64		24.00
100	QPSK	135	0		22.23		23.00
100		135	69		23.58		24.00
100		135	138		22.86		23.00
100		270	0		22.55		23.00
100		16QAM	1	1	22.05		23.00
100		64QAM	1	1	20.54		21.50
100	256QAM	1	1		18.67		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.73	23.61	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.66	23.74	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.60	23.67	23.73
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.64	23.74	23.64
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.72	23.66	23.70
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.70	23.76	23.62
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.63	23.74	23.72
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.69	23.67	23.68
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.69	23.67	23.70
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.66	23.68	23.66
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.58	23.77	23.75

<FR1 n78 (270)_HPUE_Ant 8_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.42		27.00
100		1	137		26.33		27.00
100		1	271		26.34		27.00
100		135	0		25.92		26.50
100		135	69		26.37		27.00
100		135	138		25.43		26.50
100		270	0		26.01		26.50
100		1	1		26.32		27.00
100		1	137		26.29		27.00
100		1	271		26.30		27.00
100	QPSK	135	0		25.48		26.00
100		135	69		26.21		27.00
100		135	138		25.33		26.00
100		270	0		25.52		26.00
100		16QAM	1	1	25.39		26.00
100		64QAM	1	1	24.10		24.50
100	256QAM	1	1		22.14		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		26.52	26.56	26.50
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		26.25	26.33	26.28
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		26.17	26.22	26.28
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		26.30	26.33	26.18
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		26.17	26.28	26.19
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		26.28	26.32	26.16
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		26.19	26.29	26.21
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		26.21	26.28	26.25
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		26.23	26.26	26.19
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		26.23	26.24	26.17
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		26.31	26.28	26.21

<FR1 n14_Ant 0_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1	20.07		21.00	
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

<FR1 n14_HPUE_Ant 0_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.32		27.00
10		1	26		26.26		27.00
10		1	50		26.13		27.00
10		25	0		25.77		26.50
10		25	14		26.26		27.00
10		25	27		25.72		26.50
10		50	0		25.78		26.50
10		1	1		26.22		27.00
10	QPSK	1	26		26.19		27.00
10		1	50		26.23		27.00
10		25	0		25.19		26.00
10		25	14		26.17		27.00
10		25	27		25.21		26.00
10		50	0		25.04		26.00
10		16QAM	1	1	25.07		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.21	26.25	26.23	27.00

<FR1 n71_Ant 0_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel				136100	680.5		
Frequency (MHz)				23.41	23.25	23.33	24.00
35	PI/2 BPSK	1	1	23.41	23.25	23.33	24.00
35		1	90	23.22	23.22	23.22	24.00
35		1	186	23.22	23.22	23.22	24.00
35		90	0	23.38	23.38	23.38	24.00
35		90	45	23.39	23.39	23.39	24.00
35		90	90	23.35	23.35	23.35	24.00
35		180	0	23.33	23.33	23.33	24.00
35		1	1	23.24	23.24	23.24	24.00
35	QPSK	1	90	23.16	23.16	23.16	24.00
35		1	186	23.22	23.22	23.22	24.00
35		90	0	23.26	23.26	23.26	24.00
35		90	45	23.29	23.29	23.29	24.00
35		90	90	23.24	23.24	23.24	24.00
35		180	0	23.39	23.39	23.39	24.00
35		16QAM	1	23.15	23.15	23.15	24.00
35		64QAM	1	22.21	22.21	22.21	23.00
35	256QAM	1	1	20.27	20.27	20.27	21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.31	23.36	23.33	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.17	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.23	23.25	23.25	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.25	23.34	23.24	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.24	23.20	23.25	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.20	23.29	23.26	24.00

<FR1 n71_HPUE_Ant 0_Full Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel				136100	680.5		
Frequency (MHz)				26.37	26.28	26.28	27.00
35	PI/2 BPSK	1	1	26.37	26.28	26.28	27.00
35		1	90	26.28	26.24	26.24	27.00
35		1	186	26.24	26.24	26.24	27.00
35		90	0	26.32	26.32	26.32	27.00
35		90	45	26.35	26.35	26.35	27.00
35		90	90	26.34	26.34	26.34	27.00
35		180	0	26.32	26.32	26.32	27.00
35		1	1	26.31	26.31	26.31	27.00
35	QPSK	1	90	26.29	26.29	26.29	27.00
35		1	186	26.27	26.27	26.27	27.00
35		90	0	26.36	26.36	26.36	27.00
35		90	45	26.26	26.26	26.26	27.00
35		90	90	26.26	26.26	26.26	27.00
35		180	0	26.37	26.37	26.37	27.00
35		16QAM	1	26.29	26.29	26.29	27.00
35		64QAM	1	26.30	26.30	26.30	27.00
35	256QAM	1	1	21.67	21.67	21.67	22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.31	26.36	26.28	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.29	26.23	26.25	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.19	26.24	26.17	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.19	26.20	26.16	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.18	26.32	26.21	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.18	26.24	26.16	27.00

<FR1 n30_Ant 2_DSI 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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.40		24.00
10		1	28		23.35		24.00
10		1	50		23.38		24.00
10		25	0		23.32		24.00
10		25	14		23.38		24.00
10		25	27		23.38		24.00
10		50	0		23.31		24.00
10		1	1		23.32		24.00
10		1	26		23.25		24.00
10		1	50		23.32		24.00
10	QPSK	1	0		23.32		24.00
10		25	14		23.31		24.00
10		25	27		23.32		24.00
10		50	0		23.35		24.00
10		16QAM	1	1	23.30		24.00
10		64QAM	1	1	21.75		23.00
10	256QAM	1	1		19.75		21.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.36	23.37	23.27	24.00

<FR1 n14_Ant 1_DSI 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					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.37		24.00
10		1	26		23.30		24.00
10		1	50		23.26		24.00
10		25	0		23.30		24.00
10		25	14		23.35		24.00
10		25	27		23.23		24.00
10	QPSK	50	0		23.29		24.00
10		1	1		23.24		24.00
10		1	26		23.29		24.00
10		1	50		23.12		24.00
10		25	0		23.23		24.00
10		25	14		23.36		24.00
10	16QAM	25	27		23.30		24.00
10		50	0		23.23		24.00
10		1	1		23.22		24.00
10	64QAM	1	1		22.22		23.00
10	256QAM	1	1		20.16		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.31	23.35	23.32	24.00

<FR1 n14_HPUE_Ant 1_DSI 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					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		26.35		27.00
10		1	26		26.31		27.00
10		1	50		26.29		27.00
10		25	0		26.84		26.50
10		25	14		26.28		27.00
10		25	27		25.81		26.50
10	QPSK	50	0		25.86		26.50
10		1	1		26.33		27.00
10		1	26		26.28		27.00
10		1	50		26.31		27.00
10		25	0		25.26		26.00
10		25	14		26.29		27.00
10	16QAM	25	27		25.24		26.00
10		50	0		25.21		26.00
10		1	1		25.23		26.00
10	64QAM	1	1		23.74		24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	26.25	26.31	26.28	27.00

<FR1 n30_Ant 1_DSI 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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.36		24.00
10		1	26		23.33		24.00
10		1	50		23.34		24.00
10		25	0		23.26		24.00
10		25	14		23.34		24.00
10		25	27		23.28		24.00
10		50	0		23.31		24.00
10		1	1		23.15		24.00
10		1	26		23.35		24.00
10		1	50		23.23		24.00
10	QPSK	25	0		23.19		24.00
10		25	14		23.24		24.00
10		25	27		23.28		24.00
10		50	0		23.28		24.00
10		16QAM	1	1	23.17		24.00
10		64QAM	1	1	21.56		23.00
10	256QAM	1	1		19.56		21.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.25	23.30	23.23	24.00

<FR1 n71_Ant 1_DSI 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					680.5		
Frequency (MHz)					23.33		24.00
35	PI/2 BPSK	1	1		23.22		24.00
35		1	90		22.88		24.00
35		1	186		23.21		24.00
35		90	0		23.17		24.00
35		90	45		23.25		24.00
35		90	90		23.16		24.00
35		180	0		23.32		24.00
35		1	1		23.10		24.00
35	QPSK	1	90		23.28		24.00
35		1	186		23.32		24.00
35		90	0		23.29		24.00
35		90	45		23.22		24.00
35		90	90		23.11		24.00
35		180	0		20.16		21.00
35		16QAM	1	1			24.00
35		64QAM	1	1			23.00
35	256QAM	1	1				21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.21	23.25	23.24	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.11	23.11	23.21	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.07	23.20	23.14	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.09	23.12	23.14	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.18	23.12	23.17	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.18	23.24	23.18	24.00

<FR1 n71_HPUE_Ant 1_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		26.31		27.00
35		1	90		26.29		27.00
35		1	186		26.13		27.00
35		90	0		25.72		26.50
35		90	45		26.26		27.00
35		90	90		25.73		26.50
35		180	0		25.78		26.50
35		1	1		26.29		27.00
35	QPSK	1	90		26.19		27.00
35		1	186		26.23		27.00
35		90	0		25.16		26.00
35		90	45		26.22		27.00
35		90	90		25.17		26.00
35		180	0		25.07		26.00
35		16QAM	1	1			26.00
35		64QAM	1	1			24.50
35	256QAM	1	1		21.59		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.25	26.28	26.27	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.18	26.20	26.20	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.18	26.22	26.20	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.17	26.15	26.23	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.24	26.14	26.16	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.16	26.15	26.15	27.00

<FR1 n2_Ant 6_DSI 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				374000	376000	378000	Tune-up Limit (dbm)	
Frequency (MHz)				1670	1680	1690		
40	Pi/2 BPSK	1	1	21.35	21.58	21.43	22.00	
40		1	108	21.13	21.49	21.25	22.00	
40		1	214	21.19	21.57	21.39	22.00	
40		108	0	20.91	21.28	21.10	22.00	
40		108	54	21.13	21.50	21.25	22.00	
40		108	108	21.16	21.42	21.26	22.00	
40		216	0	21.02	21.33	21.06	22.00	
40		1	1	20.88	21.25	21.09	22.00	
40		1	108	21.01	21.31	21.10	22.00	
40		1	214	21.19	21.47	21.28	22.00	
40	QPSK	108	0	21.10	21.36	21.16	22.00	
40		108	54	21.03	21.33	21.11	22.00	
40		108	108	21.06	21.33	21.07	22.00	
40		216	0	20.97	21.32	21.04	22.00	
40		16QAM	1	1	20.92	21.20	20.97	22.00
40		64QAM	1	1	19.86	20.22	20.00	21.00
40	256QAM	1	1	17.79	18.11	17.89	19.00	
Channel				373500	376000	378500	Tune-up Limit (dbm)	
Frequency (MHz)				1667.5	1680	1692.5		
35	Pi/2 BPSK	1	1	21.20	21.46	21.38	22.00	
Channel				373000	376000	379000	Tune-up Limit (dbm)	
Frequency (MHz)				1665	1680	1695		
30	Pi/2 BPSK	1	1	21.21	21.55	21.41	22.00	
Channel				372500	376000	379500	Tune-up Limit (dbm)	
Frequency (MHz)				1662.5	1680	1697.5		
25	Pi/2 BPSK	1	1	21.21	21.47	21.31	22.00	
Channel				372000	376000	380000	Tune-up Limit (dbm)	
Frequency (MHz)				1660	1680	1690		
20	Pi/2 BPSK	1	1	21.25	21.56	21.37	22.00	
Channel				371500	376000	380500	Tune-up Limit (dbm)	
Frequency (MHz)				1657.5	1680	1692.5		
15	Pi/2 BPSK	1	1	21.31	21.49	21.29	22.00	
Channel				371000	376000	381000	Tune-up Limit (dbm)	
Frequency (MHz)				1655	1680	1695		
10	Pi/2 BPSK	1	1	21.33	21.46	21.36	22.00	
Channel				370500	376000	381500	Tune-up Limit (dbm)	
Frequency (MHz)				1652.5	1680	1697.5		
5	Pi/2 BPSK	1	1	21.26	21.49	21.38	22.00	

<FR1 n25_Ant 6_DSI 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				374000	376500	379000	Tune-up Limit (dBm)	
Frequency (MHz)				1670	1682.5	1695		
40	Pi/2 BPSK	1	1	21.43	21.48	21.42	22.00	
40		1	108	21.25	21.45	21.26	22.00	
40		1	214	21.32	21.47	21.36	22.00	
40		108	0	21.16	21.26	21.07	22.00	
40		108	54	21.27	21.42	21.32	22.00	
40		108	108	21.26	21.41	21.22	22.00	
40		216	0	21.21	21.32	21.17	22.00	
40		1	1	21.25	21.40	21.24	22.00	
40		1	108	21.23	21.32	21.19	22.00	
40		1	214	21.25	21.43	21.23	22.00	
40	QPSK	108	0	21.21	21.31	21.12	22.00	
40		108	54	21.20	21.30	21.16	22.00	
40		108	108	21.22	21.32	21.22	22.00	
40		216	0	21.15	21.33	21.25	22.00	
40		16QAM	1	1	21.04	21.21	21.05	22.00
40		64QAM	1	1	20.41	20.50	20.30	21.00
40	256QAM	1	1	18.34	18.40	18.25	19.00	
Channel				373500	376500	379500	Tune-up Limit (dBm)	
Frequency (MHz)				1667.5	1682.5	1697.5		
35	Pi/2 BPSK	1	1	21.41	21.41	21.32	22.00	
Channel				373000	376500	380000	Tune-up Limit (dBm)	
Frequency (MHz)				1665	1682.5	1690		
30	Pi/2 BPSK	1	1	21.38	21.40	21.37	22.00	
Channel				372500	376500	380500	Tune-up Limit (dBm)	
Frequency (MHz)				1662.5	1682.5	1692.5		
25	Pi/2 BPSK	1	1	21.31	21.44	21.33	22.00	
Channel				372000	376500	381000	Tune-up Limit (dBm)	
Frequency (MHz)				1660	1682.5	1695		
20	Pi/2 BPSK	1	1	21.35	21.42	21.29	22.00	
Channel				371500	376500	381500	Tune-up Limit (dBm)	
Frequency (MHz)				1657.5	1682.5	1697.5		
15	Pi/2 BPSK	1	1	21.35	21.40	21.31	22.00	
Channel				371000	376500	382000	Tune-up Limit (dBm)	
Frequency (MHz)				1655	1682.5	1690		
10	Pi/2 BPSK	1	1	21.41	21.36	21.30	22.00	
Channel				370500	376500	382500	Tune-up Limit (dBm)	
Frequency (MHz)				1652.5	1682.5	1697.5		
5	Pi/2 BPSK	1	1	21.39	21.36	21.31	22.00	

<FR1 n30_Ant 6_DSI 4>

CFR1 n30 Ant 6 DSI 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				462000			
Frequency (MHz)				2310			
10	Pi/2 BPSK	1	1		21.53		22.00
10		1	26		21.52		22.00
10		1	50		21.50		22.00
10		25	0		21.46		22.00
10		25	14		21.52		22.00
10		25	27		21.48		22.00
10		50	0		21.47		22.00
10		1	1		21.51		22.00
10		1	26		21.42		22.00
10		1	50		21.43		22.00
10	QPSK	25	0		21.47		22.00
10		25	14		21.44		22.00
10		25	27		21.46		22.00
10		50	0		21.46		22.00
10		16QAM	1	1		21.42	
10	64QAM	1	1		19.90		21.00
10	256QAM	1	1		17.83		19.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	21.48	21.52	21.50	22.00

<FR1 n66_Ant 6_DSI 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				346500	349000	351500	Tune-up Limit (dBm)
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.86	21.88	21.81	22.00
45		1	120	21.72	21.78	21.82	22.00
45		1	240	21.28	21.37	21.18	22.00
45		120	0	21.52	21.62	21.40	22.00
45		120	60	21.49	21.63	21.42	22.00
45		120	120	21.48	21.60	21.39	22.00
45		240	0	21.49	21.58	21.40	22.00
45		1	1	21.70	21.79	21.66	22.00
45		1	120	21.41	21.55	21.35	22.00
45		1	240	21.28	21.32	21.16	22.00
45	QPSK	120	0	21.55	21.63	21.47	22.00
45		120	60	21.48	21.57	21.41	22.00
45		120	120	21.55	21.61	21.38	22.00
45		240	0	21.43	21.59	21.50	22.00
45		16QAM	1	21.64	21.73	21.55	22.00
45		64QAM	1	20.62	20.70	20.60	21.00
45	256QAM	1	1	18.41	18.47	18.27	19.00
Channel				346000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.74	21.79	21.74	22.00
Channel				345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.73	21.76	21.68	22.00
Channel				345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.75	21.78	21.80	22.00
Channel				344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.72	21.76	21.66	22.00
Channel				344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.73	21.87	21.70	22.00
Channel				343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.79	21.78	21.75	22.00
Channel				343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.77	21.84	21.70	22.00
Channel				342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.79	21.83	21.70	22.00

<FR1 n70_Ant 6_DSI 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					340500		Tune-up Limit (dBm)	
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		21.75		22.00	
15		1	40		21.67		22.00	
15		1	77		21.70		22.00	
15		36	0		21.56		22.00	
15		36	22		21.66		22.00	
15		36	43		21.58		22.00	
15		75	0		21.54		22.00	
15		1	1		21.64		22.00	
15		1	40		21.62		22.00	
15		1	77		21.63		22.00	
15	QPSK	36	0		21.56		22.00	
15		36	22		21.44		22.00	
15		36	43		21.51		22.00	
15		75	0		21.56		22.00	
15		16QAM	1	1		21.62		22.00
15		64QAM	1	1		20.59		21.00
15	256QAM	1	1		18.48		19.00	
Channel				340000	340500	341000	Tune-up Limit (dBm)	
Frequency (MHz)				1700	1702.5	1705		
10	PI/2 BPSK	1	1	21.63	21.72	21.68	22.00	
Channel				339500	340500	341500	Tune-up Limit (dBm)	
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI/2 BPSK	1	1	21.55	21.64	21.64	22.00	

<FR1 n77 (27Q), Ant 7, DSI 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		
Frequency (MHz)					3499.98		
100	Pi/2 BPSK	1	1		23.31		24.00
100		1	137		23.00		24.00
100		1	271		23.10		24.00
100		135	0		22.70		23.50
100		135	69		23.10		24.00
100		135	138		22.50		23.50
100		270	0		22.50		23.50
100		1	1		23.30		24.00
100		1	137		22.90		24.00
100		1	271		23.10		24.00
100	QPSK	135	0		22.10		23.00
100		135	69		23.00		24.00
100		135	138		22.00		23.00
100		270	0		22.00		23.00
100		16QAM	1	1	22.10		23.00
100		64QAM	1	1	20.60		21.50
100	256QAM	1	1		18.70		19.50
Channel				633000	633332	633666	
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi/2 BPSK	1	1		23.23	23.30	24.00
Channel				633666	633332	633000	
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1		23.19	23.25	24.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		23.10	23.16	24.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1		23.20	23.23	24.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		23.15	23.21	24.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		23.18	23.17	24.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		23.13	23.17	24.00
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1		23.21	23.27	24.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		23.18	23.28	24.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		23.16	23.22	24.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		23.11	23.17	24.00

<FR1 n77 (27Q), HPUE, Ant 7, DSI 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		
Frequency (MHz)					3499.98		
100	Pi/2 BPSK	1	1		26.24		27.00
100		1	137		26.00		27.00
100		1	271		26.06		27.00
100		135	0		26.12		27.00
100		135	69		26.13		27.00
100		135	138		26.00		27.00
100		270	0		26.02		27.00
100		1	1		26.07		27.00
100		1	137		25.83		27.00
100		1	271		25.89		27.00
100	QPSK	135	0		26.04		27.00
100		135	69		26.02		27.00
100		135	138		26.03		27.00
100		270	0		26.06		27.00
100		16QAM	1	1	25.96		27.00
100		64QAM	1	1	24.51		26.00
100	256QAM	1	1		22.00		24.00
Channel				633000	633332	633666	
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi/2 BPSK	1	1		26.18	26.20	27.00
Channel				632666	633332	634000	
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1		26.12	26.12	27.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		26.07	26.14	27.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1		26.11	26.12	27.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		26.05	26.14	27.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		26.09	26.14	27.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		26.11	26.17	27.00
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1		26.08	26.07	27.00
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		26.10	26.11	27.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		26.10	26.07	27.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		26.16	26.17	27.00

<FR1 n77 (270) Ant 7_DSI 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				655000	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	23.12	23.26	23.38	23.31
100		1	137	22.91	22.97	23.22	23.11
100		1	271	22.79	22.85	23.10	22.88
100		135	0	22.33	22.56	22.70	22.55
100		135	69	22.89	23.05	23.26	23.03
100		135	138	22.23	22.44	22.60	22.44
100		270	0	22.24	22.40	22.64	22.41
100		1	1	23.02	23.13	23.32	23.11
100		1	137	23.00	23.05	23.28	23.04
100		1	271	22.92	23.11	23.26	23.14
100	QPSK	135	0	22.00	22.17	22.36	22.12
100		135	69	22.92	23.06	23.25	23.02
100		135	138	22.01	22.16	22.38	22.26
100		270	0	22.04	22.08	22.30	22.15
100		16QAM	1	1	21.83	22.00	22.22
100		64QAM	1	1	20.48	20.64	20.77
100	256QAM	1	1	18.49	18.51	18.74	18.57
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88
90	Pi/2 BPSK	1	1	23.03	23.14	23.29	23.24
Channel				649334	653334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	23.10	23.13	23.33	23.15
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	23.01	23.11	23.36	23.20
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	23.02	23.12	23.28	23.27
Channel				648334	654034	661334	663066
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	23.07	23.22	23.26	23.22
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	23.06	23.22	23.23	23.16
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	22.99	23.24	23.34	23.18
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	23.05	23.10	23.32	23.20
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	23.07	23.16	23.34	23.21
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	23.06	23.24	23.33	23.17
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	23.08	23.18	23.26	23.28

<FR1 n77 (270) HPUE_Ant 7_DSI 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				650000	655668	661334	662000
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	26.31	26.23	26.32	26.19
100		1	137	25.98	25.98	26.11	25.99
100		1	271	25.86	25.88	26.00	25.86
100		135	0	25.66	25.55	25.73	25.62
100		135	69	26.14	26.06	26.25	26.09
100		135	138	25.10	24.96	25.18	24.97
100		270	0	25.65	25.61	25.74	25.57
100		1	1	26.17	26.07	26.27	26.03
100		1	137	26.15	26.17	26.28	26.10
100		1	271	26.05	26.04	26.18	26.00
100	QPSK	135	0	25.40	25.30	25.42	25.21
100		135	69	26.11	26.13	26.26	26.07
100		135	138	25.42	25.25	25.46	25.30
100		270	0	25.43	25.29	25.49	25.28
100		16QAM	1	1	25.20	25.16	25.26
100		64QAM	1	1	24.39	24.25	24.48
100	256QAM	1	1	22.30	22.13	22.32	22.17
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88
90	Pi/2 BPSK	1	1	26.25	26.11	26.30	26.18
Channel				649334	655334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	26.17	26.13	26.30	26.12
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	26.22	26.21	26.18	26.09
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	26.17	26.17	26.20	26.17
Channel				648334	654834	661334	663066
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	26.21	26.15	26.19	26.15
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	26.23	26.08	26.28	26.12
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	Pi/2 BPSK	1	1	26.21	26.21	26.17	26.14
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5
25	Pi/2 BPSK	1	1	26.17	26.21	26.30	26.17
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	26.27	26.14	26.26	26.16
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	26.25	26.11	26.30	26.09
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	26.21	26.09	26.23	26.11

<FR1 n78 (27Q) Ant 7_DSI 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				633000	633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.22		24.00
100			137		22.93		24.00
100			1	271		22.95	24.00
100		135	0		22.81		23.50
100		135	69		23.01		24.00
100		135	138		22.38		23.50
100		270	0		22.34		23.50
100		1	1		23.12		24.00
100			137		22.77		24.00
100			1	271		22.93	24.00
100	QPSK	135	0		21.96		23.00
100		135	69		22.94		24.00
100		135	138		21.95		23.00
100		270	0		21.82		23.00
100		16QAM	1	1		22.05	23.00
100		64QAM	1	1		20.43	21.50
100	256QAM	1	1		18.57		19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.15	23.20	23.18	24.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.11	23.19	23.07	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.14	23.11	23.12	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.10	23.16	23.05	24.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.01	23.14	23.16	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.03	23.19	23.04	24.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.00	23.19	23.14	24.00
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.02	23.08	23.07	24.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.09	23.10	23.12	24.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.11	23.07	23.06	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.01	23.11	23.08	24.00

<FR1 n78 (27Q) HPUE_Ant 7_DSI 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							Tune-up Limit (dBm)	
Frequency (MHz)				633000	633332	633666		
100	PI/2 BPSK	1	1		3499.98		27.00	
100			137		26.11	25.97	27.00	
100			1	271		25.95	27.00	
100			135	0	25.98		26.50	
100			135	69	25.98		27.00	
100			135	138	25.84		26.50	
100			270	0	25.93		26.50	
100			1	1	26.01		27.00	
100			1	137	25.80		27.00	
100			1	271	25.82		27.00	
100	QPSK				25.96		26.00	
100			135	69	25.90		27.00	
100			135	138	25.95		26.00	
100			270	0	26.00		26.00	
100			1	1	25.88		26.00	
100			1	1	24.39		24.50	
100			256QAM	1	1	21.92		22.50
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	26.05	26.10	26.01	27.00	
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	25.92	26.01	25.98	27.00	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	25.91	25.97	25.91	27.00	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	25.98	26.02	25.94	27.00	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	26.01	26.02	25.94	27.00	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	25.95	26.08	25.90	27.00	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	26.01	25.96	25.96	27.00	
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1	26.04	25.98	25.89	27.00	
Channel				630668	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	25.95	25.98	25.96	27.00	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1	25.93	26.08	25.90	27.00	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1	25.91	25.96	25.99	27.00	

<FR1 n78 (270)_Ant 7_DSI 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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.22		24.00
100		1	137		23.06		24.00
100		1	271		23.07		24.00
100		135	0		22.61		23.50
100		135	69		23.14		24.00
100		135	138		22.52		23.50
100		270	0		22.51		23.50
100		1	1		23.20		24.00
100		1	137		23.16		24.00
100		1	271		23.19		24.00
100	QPSK	135	0		22.31		23.00
100		135	69		23.10		24.00
100		135	138		22.25		23.00
100		270	0		22.21		23.00
100		16QAM	1	1	22.15		23.00
100		64QAM	1	1	20.64		21.50
100	256QAM	1	1		18.61		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.10	23.08	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.06	23.11	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.96	23.09	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.97	23.06	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.01	23.11	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.01	23.10	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.04	23.12	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.06	23.07	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.03	23.11	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.02	23.15	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.99	23.09	24.00

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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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.21		27.00
100		1	137		25.98		27.00
100		1	271		25.96		27.00
100		135	0		25.64		26.50
100		135	69		26.18		27.00
100		135	138		25.08		26.50
100		270	0		25.59		26.50
100		1	1		26.17		27.00
100		1	137		26.18		27.00
100		1	271		26.06		27.00
100	QPSK	135	0		25.28		26.00
100		135	69		26.12		27.00
100		135	138		25.41		26.00
100		270	0		25.35		26.00
100		16QAM	1	1	25.12		26.00
100		64QAM	1	1	24.43		24.50
100	256QAM	1	1		22.28		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		26.13	26.20	27.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		26.12	26.07	27.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		26.07	26.06	27.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		26.00	26.14	27.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		26.06	26.13	27.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		26.00	26.12	27.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		26.08	26.14	27.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		26.06	26.09	27.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		26.06	26.13	27.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		26.02	26.09	27.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		26.06	26.09	27.00

<FR1 n77 (27Q) Ant 5_DSI 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			
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1	23.53			24.00
100		1	137	23.42			24.00
100		1	271	23.38			24.00
100		135	0	22.91			23.50
100		135	66	23.41			24.00
100		135	138	22.94			23.50
100	QPSK	270	0	22.82			23.50
100		1	1	23.49			24.00
100		1	137	23.20			24.00
100		1	271	23.48			24.00
100		135	0	22.45			23.00
100		135	66	23.36			24.00
100	16QAM	270	0	22.22			23.00
100		270	0	22.34			23.00
100	64QAM	1	1	22.36			23.00
100	64QAM	1	1	20.85			21.50
100	256QAM	1	1				19.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	23.44	23.50	23.46	24.00
Channel				632666	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	23.32	23.40	23.38	24.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	23.36	23.48	23.40	24.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	23.33	23.43	23.42	24.00
Channel				631666	633332	635000	
Frequency (MHz)				3470.02	3499.98	3525	
50	Pi/2 BPSK	1	1	23.36	23.44	23.34	24.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	23.30	23.44	23.38	24.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.98	
30	Pi/2 BPSK	1	1	23.36	23.47	23.36	24.00
Channel				630634	633332	635932	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	23.30	23.38	23.36	24.00
Channel				630366	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	23.33	23.47	23.39	24.00
Channel				630000	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	23.42	23.47	23.34	24.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	23.41	23.48	23.40	24.00

<FR1 n77 (27Q) HPUE Ant 5_DSI 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			
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1	26.52			27.00
100		1	137	26.48			27.00
100		1	271	26.43			27.00
100		135	0	26.46			27.00
100		135	66	26.46			27.00
100		135	138	26.32			27.00
100	QPSK	270	0	26.42			27.00
100		1	1	26.39			27.00
100		1	137	26.32			27.00
100		1	271	26.48			27.00
100		135	0	26.44			27.00
100		135	66	26.28			27.00
100	16QAM	270	0	26.44			27.00
100		270	0	26.48			27.00
100	64QAM	1	1	24.94			26.00
100	256QAM	1	1	22.47			24.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	26.45	26.50	26.48	27.00
Channel				632666	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	26.34	26.35	26.35	27.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	26.37	26.46	26.42	27.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	26.35	26.48	26.40	27.00
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	26.36	26.44	26.38	27.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	26.32	26.41	26.43	27.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.98	
30	Pi/2 BPSK	1	1	26.33	26.40	26.38	27.00
Channel				630634	633332	635932	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	26.39	26.40	26.38	27.00
Channel				630366	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	26.32	26.39	26.40	27.00
Channel				630000	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	26.41	26.37	26.41	27.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	26.36	26.42	26.37	27.00

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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				655000	661334	662009	
Frequency (MHz)				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	23.31	23.52	23.08	23.54
100		1	137	23.06	23.19	23.46	23.29
100		1	271	22.84	23.11	23.32	23.18
100		135	0	22.54	22.77	22.99	22.89
100		135	69	23.20	23.26	23.30	23.25
100		135	138	22.42	22.87	22.88	22.73
100	QPSK	270	0	22.53	22.69	22.92	22.68
100		1	1	23.24	23.35	23.62	23.41
100		1	137	22.90	23.13	23.34	23.09
100		1	271	22.77	22.94	23.22	23.10
100		135	0	21.99	22.16	22.41	22.25
100		135	69	22.97	23.17	23.35	23.14
100	16QAM	270	0	21.86	22.10	22.27	22.04
100		1	1	22.15	22.29	22.52	22.32
100		1	1	20.54	20.82	20.97	20.84
100	256QAM	1	1	18.68	18.85	18.98	18.85
Channel				649008	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.58
90	Pi/2 BPSK	1	1	23.18	23.38	23.53	23.51
Channel				649334	655334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	23.17	23.47	23.64	23.45
Channel				649000	653168	661334	662000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	23.19	23.39	23.63	23.47
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	23.21	23.50	23.60	23.44
Channel				648334	654334	661334	663998
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	23.30	23.38	23.61	23.49
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	23.20	23.40	23.55	23.43
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.58
30	Pi/2 BPSK	1	1	23.26	23.46	23.60	23.46
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	Pi/2 BPSK	1	1	23.17	23.41	23.53	23.47
Channel				647334	654334	661334	664598
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	23.25	23.40	23.59	23.41
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	23.28	23.41	23.53	23.49
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	23.24	23.46	23.58	23.44

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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				655668	662009	661334	
Frequency (MHz)				3760	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	26.26	26.39	26.63	26.38
100		1	137	25.93	26.09	26.44	26.24
100		1	271	25.00	25.03	25.35	25.14
100		135	0	26.00	26.15	26.45	26.26
100		135	69	26.07	26.25	26.39	26.39
100		135	138	25.91	26.01	26.32	26.19
100	QPSK	270	0	26.01	26.16	26.48	26.33
100		1	1	25.95	25.97	26.34	26.11
100		1	137	26.08	26.22	26.65	26.38
100		1	271	25.18	25.28	25.85	25.52
100		135	0	26.09	26.22	26.51	26.38
100		135	69	26.19	26.31	26.61	26.38
100	16QAM	270	0	25.86	25.96	26.28	26.14
100		1	1	25.93	26.10	26.38	26.14
100		1	1	24.31	24.38	24.70	24.45
100	256QAM	1	1	21.88	22.01	22.24	22.01
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.58
90	Pi/2 BPSK	1	1	26.24	26.27	26.56	26.25
Channel				649334	655334	661334	662666
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	26.24	26.25	26.61	26.33
Channel				649000	653168	661334	662000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	26.24	26.28	26.49	26.34
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	26.22	26.32	26.58	26.34
Channel				648334	654334	661334	663998
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	26.18	26.37	26.57	26.35
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	26.13	26.33	26.58	26.31
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.58
30	Pi/2 BPSK	1	1	26.22	26.35	26.57	26.32
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	Pi/2 BPSK	1	1	26.20	26.33	26.58	26.31
Channel				647334	654334	661334	664598
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	26.15	26.25	26.55	26.27
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	26.18	26.35	26.53	26.25
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	26.22	26.34	26.60	26.27

<FR1 n78 (27Q) Ant 5, DSI 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				633300	633332		
Frequency (MHz)				3495	3499.98		
100	Pi/2 BPSK	1	1	23.37			24.00
100		1	137	23.25			24.00
100		1	271	23.32			24.00
100		135	0	22.86			23.50
100		135	69	23.33			24.00
100		135	138	22.80			23.50
100	QPSK	270	0	22.66			23.50
100		1	1	23.25			24.00
100		1	137	23.16			24.00
100		1	271	23.35			24.00
100		135	0	22.38			23.00
100		135	69	23.23			24.00
100	16QAM	135	138	22.15			23.00
100		270	0	22.24			23.00
100	64QAM	1	1	22.27			23.00
100	256QAM	1	1	20.79			21.50
100				18.68			19.50
Channel				633000	633332	633668	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	23.32	23.34	23.28	24.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	23.19	23.22	23.24	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	23.31	23.24	23.25	24.00
Channel				632000	633332	634668	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	23.31	23.20	23.25	24.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	23.25	23.20	23.20	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	23.22	23.30	23.16	24.00
Channel				631000	633332	635668	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	23.24	23.24	23.19	24.00
Channel				630634	633332	635932	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	23.24	23.19	23.22	24.00
Channel				630299	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3530	
20	Pi/2 BPSK	1	1	23.30	23.25	23.15	24.00
Channel				630000	633332	636168	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	23.25	23.29	23.20	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	23.21	23.22	23.15	24.00

<FR1 n78 (27Q) HPUE, Ant 5, DSI 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				633300	633332		
Frequency (MHz)				3495	3499.98		
100	Pi/2 BPSK	1	1	26.45			27.00
100		1	137	26.36			27.00
100		1	271	26.25			27.00
100		135	0	26.32			26.50
100		135	69	26.32			27.00
100		135	138	26.16			26.50
100	QPSK	270	0	26.31			26.50
100		1	1	26.36			27.00
100		1	137	26.21			27.00
100		1	271	26.38			27.00
100		135	0	26.32			27.00
100		135	69	26.17			27.00
100	16QAM	135	138	26.24			27.00
100		270	0	26.31			27.00
100	64QAM	1	1	26.37			27.00
100	256QAM	1	1	24.79			26.00
100				22.44			24.00
Channel				633000	633332	633668	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	26.36	26.40	26.37	27.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	26.21	26.37	26.24	27.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	26.22	26.36	26.25	27.00
Channel				632000	633332	634668	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	26.24	26.33	26.26	27.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	26.21	26.37	26.33	27.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	26.34	26.33	26.33	27.00
Channel				631000	633332	635668	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	26.23	26.26	26.26	27.00
Channel				630634	633332	635932	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	26.32	26.37	26.33	27.00
Channel				630299	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3530	
20	Pi/2 BPSK	1	1	26.26	26.33	26.24	27.00
Channel				630000	633332	636168	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	26.25	26.29	26.36	27.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	26.28	26.34	26.28	27.00

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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							
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.44		24.00
100		1	137		23.04		24.00
100		1	271		22.97		24.00
100		135	0		22.62		23.50
100		135	138		23.24		24.00
100	QPSK	270	0		22.53		23.50
100		1	1		23.23		24.00
100		1	137		23.10		24.00
100		1	271		22.80		24.00
100		135	0		22.00		23.00
100	16QAM	135	69		23.06		24.00
100		135	138		21.96		23.00
100		270	0		21.94		23.00
100		1	1		22.20		23.00
100		64QAM	1	1	20.77		21.50
100	256QAM	1	1		18.77		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.36	23.41	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.26	23.30	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.32	23.32	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.33	23.34	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.32	23.38	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.34	23.35	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.28	23.40	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.34	23.33	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.22	23.35	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.23	23.27	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.25	23.39	24.00

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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							
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.54		27.00
100		1	137		26.37		27.00
100		1	271		25.21		27.00
100		135	0		26.30		26.50
100		135	69		26.51		27.00
100	QPSK	135	138		26.23		26.50
100		270	0		26.42		26.50
100		1	1		26.31		27.00
100		1	137		26.51		27.00
100		1	271		25.57		27.00
100	16QAM	135	0		26.39		27.00
100		135	69		26.51		27.00
100		135	138		26.06		27.00
100		270	0		26.23		27.00
100		1	1		26.32		27.00
100	64QAM	1	1		24.59		26.00
100	256QAM	1	1		22.19		24.00
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		26.43	26.51	27.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		26.42	26.45	27.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		26.40	26.45	27.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		26.38	26.42	27.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		26.37	26.46	27.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		26.42	26.42	27.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		26.38	26.36	27.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		26.33	26.49	27.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		26.34	26.40	27.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		26.36	26.47	27.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		26.33	26.38	27.00

<FR1 n77 (27Q), Ant 4, DSI 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				633000	633332	633666	24.00
Frequency (MHz)				3485	3499.98	3504.99	
100	Pi/2 BPSK	1	1	23.35			24.00
100		1	137	22.93			24.00
100		1	271	22.96			24.00
100		135	0	22.56			24.00
100		135	69	22.98			24.00
100		135	138	22.38			24.00
100		270	0	22.41			24.00
100		1	1	23.34			24.00
100		1	137	22.81			24.00
100		1	271	22.92			24.00
100	QPSK	135	0	22.01			23.00
100		135	69	23.01			24.00
100		135	138	21.86			23.00
100		270	0	21.92			23.00
100		16QAM	1	22.11			23.00
100		64QAM	1	20.54			21.00
100	256QAM	1	1	18.61			19.00
Channel				633000	633332	633666	24.00
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi/2 BPSK	1	1	23.24	23.34	23.22	24.00
Channel				630668	633332	634000	24.00
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1	23.22	23.25	23.13	24.00
Channel				632334	633332	634332	24.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	23.23	23.26	23.18	24.00
Channel				632000	633332	634666	24.00
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	23.10	23.26	23.15	24.00
Channel				631668	633332	635000	24.00
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	23.21	23.28	23.14	24.00
Channel				631334	633332	635332	24.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	23.18	23.24	23.13	24.00
Channel				631000	633332	635666	24.00
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	23.22	23.30	23.11	24.00
Channel				630834	633332	635832	24.00
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1	23.21	23.24	23.18	24.00
Channel				630668	633332	636000	24.00
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	23.17	23.29	23.10	24.00
Channel				630500	633332	636166	24.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	23.17	23.26	23.16	24.00
Channel				630334	633332	636332	24.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	23.15	23.24	23.19	24.00

<FR1 n77 (27Q), HPUE, Ant 4, DSI 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				633000	633332	633666	27.00
Frequency (MHz)				3495	3499.98	3504.99	
100	Pi/2 BPSK	1	1	26.03			27.00
100		1	137	25.78			27.00
100		1	271	25.82			27.00
100		135	0	25.56			27.00
100		135	69	26.00			27.00
100		135	138	25.82			27.00
100		270	0	25.97			27.00
100		1	1	25.58			27.00
100		1	137	25.73			27.00
100		1	271	25.88			27.00
100	QPSK	135	0	25.36			27.00
100		135	69	25.91			27.00
100		135	138	25.81			27.00
100		270	0	25.59			27.00
100		16QAM	1	24.80			26.00
100		64QAM	1	23.53			24.50
100	256QAM	1	1	22.25			22.50
Channel				633000	633332	633666	27.00
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	26.88	26.02	25.98	27.00
Channel				632668	633332	634000	27.00
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1	25.81	25.96	25.84	27.00
Channel				632334	633332	634332	27.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	25.86	25.95	25.93	27.00
Channel				632000	633332	634666	27.00
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	25.79	25.92	25.92	27.00
Channel				631668	633332	635000	27.00
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	25.73	25.91	25.88	27.00
Channel				631334	633332	635332	27.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	25.87	25.93	25.84	27.00
Channel				631000	633332	635666	27.00
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	25.76	25.95	25.90	27.00
Channel				630834	633332	635832	27.00
Frequency (MHz)				3462.51	3499.98	3537.49	
25	Pi/2 BPSK	1	1	25.82	25.91	25.91	27.00
Channel				630668	633332	636000	27.00
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	25.82	25.92	25.95	27.00
Channel				630500	633332	636166	27.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	25.76	25.98	25.88	27.00
Channel				630334	633332	636332	27.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	25.80	25.95	25.87	27.00

<FR1 n77 (270) Ant 4_DSI 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				655000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	23.26	23.35	23.40	23.25	
100		1	137	22.81	23.00	23.06	22.96	
100		1	271	22.52	22.92	23.08	22.87	
100		135	0	22.45	22.55	22.69	22.48	
100		135	69	22.99	23.11	23.18	22.94	
100		135	138	22.44	22.56	22.72	22.51	
100		270	0	22.49	22.50	22.67	22.50	
100		1	1	23.05	23.07	23.26	23.07	
100		1	137	22.97	22.95	23.13	22.92	
100		1	271	22.82	22.96	23.08	22.93	
100	QPSK	135	0	21.93	22.10	22.16	22.02	
100		135	69	22.81	22.91	23.02	22.86	
100		135	138	21.87	22.03	22.13	22.01	
100		270	0	21.98	22.03	22.18	21.99	
100		16QAM	1	1	21.93	22.02	22.11	21.90
100		64QAM	1	1	20.27	20.37	20.51	20.27
100		256QAM	1	1	18.42	18.39	18.58	18.34
Channel				649668	655500	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	Pi/2 BPSK	1	1	23.16	23.24	23.35	23.21	
Channel				640334	653334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	23.14	23.25	23.32	23.21	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	23.13	23.30	23.32	23.24	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	23.18	23.20	23.34	23.22	
Channel				648334	654934	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	23.14	23.32	23.36	23.16	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	23.18	23.25	23.36	23.16	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	23.16	23.30	23.32	23.17	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3957.5	
25	Pi/2 BPSK	1	1	23.18	23.22	23.31	23.18	
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	23.19	23.33	23.32	23.19	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	23.20	23.29	23.27	23.14	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	23.18	23.33	23.36	23.21	

<FR1 n77 (270) HPUE_Ant 4_DSI 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				650000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	Pi/2 BPSK	1	1	25.64	25.71	25.72	25.56	
100		1	137	25.36	25.50	25.52	25.30	
100		1	271	25.44	25.50	25.53	25.39	
100		135	0	24.60	24.78	24.82	24.72	
100		135	69	25.25	25.33	25.45	25.24	
100		135	138	24.81	24.93	24.96	24.72	
100		270	0	25.06	25.06	25.17	25.03	
100		1	1	25.27	25.35	25.42	25.23	
100		1	137	25.36	25.48	25.58	25.42	
100		1	271	25.43	25.52	25.60	25.43	
100	QPSK	135	0	24.60	24.72	24.77	24.64	
100		135	69	25.36	25.50	25.57	25.35	
100		135	138	24.59	24.68	24.78	24.62	
100		270	0	24.62	24.77	24.84	24.67	
100		16QAM	1	1	24.39	24.39	24.51	24.34
100		64QAM	1	1	23.08	23.19	23.27	23.06
100		256QAM	1	1	21.36	21.45	21.47	21.23
Channel				649668	655000	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.88	
90	Pi/2 BPSK	1	1	25.53	25.59	25.58	25.52	
Channel				640334	653334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	25.58	25.66	25.67	25.51	
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	25.51	25.67	25.69	25.53	
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	25.58	25.61	25.64	25.49	
Channel				640334	654034	661334	663066	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	25.51	25.67	25.64	25.50	
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	25.57	25.58	25.65	25.50	
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	Pi/2 BPSK	1	1	25.56	25.58	25.68	25.53	
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	Pi/2 BPSK	1	1	25.58	25.65	25.64	25.49	
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	25.51	25.70	25.69	25.49	
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	25.55	25.64	25.60	25.47	
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	25.56	25.59	25.71	25.51	

<FR1 n78 (27Q) Ant 4_DSI 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				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	23.27	23.27	24.00	24.00
100		1	137	22.86	22.86	24.00	24.00
100		1	271	22.88	22.88	24.00	24.00
100		135	0	22.47	22.47	23.50	23.50
100		135	69	23.10	23.10	24.00	24.00
100		135	138	22.33	22.33	23.50	23.50
100		270	0	22.25	22.25	23.50	23.50
100		1	1	23.09	23.09	24.00	24.00
100		1	137	22.74	22.74	24.00	24.00
100		1	271	22.77	22.77	24.00	24.00
100	QPSK	135	0	21.97	21.97	23.00	23.00
100		135	69	22.83	22.83	24.00	24.00
100		135	138	21.84	21.84	23.00	23.00
100		270	0	21.89	21.89	23.00	23.00
100		16QAM	1	1	22.06	23.00	23.00
100		64QAM	1	1	20.45	21.50	21.50
100	256QAM	1	1	18.56	19.50	19.50	19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.20	23.23	23.16	24.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.09	23.10	23.13	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.11	23.19	23.12	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.14	23.19	23.04	24.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.16	23.19	23.15	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.10	23.20	23.04	24.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.16	23.09	23.15	24.00
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.10	23.10	23.06	24.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.18	23.17	24.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.12	23.12	23.14	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.07	23.11	23.12	24.00

<FR1 n78 (27Q) HPUE_Ant 4_DSI 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				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1	25.96	25.96	27.00	27.00
100		1	137	25.64	25.64	27.00	27.00
100		1	271	25.68	25.68	27.00	27.00
100		135	0	25.51	25.51	26.50	26.50
100		135	69	25.89	25.89	27.00	27.00
100		135	138	25.67	25.67	26.50	26.50
100		270	0	25.79	25.79	26.50	26.50
100		1	1	25.46	25.46	27.00	27.00
100		1	137	25.59	25.59	27.00	27.00
100		1	271	25.71	25.71	27.00	27.00
100	QPSK	135	0	25.10	25.10	26.00	26.00
100		135	69	25.79	25.79	27.00	27.00
100		135	138	25.67	25.67	26.00	26.00
100		270	0	25.48	25.48	26.00	26.00
100		16QAM	1	1	24.75	26.00	26.00
100		64QAM	1	1	23.44	24.50	24.50
100	256QAM	1	1	22.08	22.08	22.50	22.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.91	25.93	25.83	27.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.80	25.79	25.74	27.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.76	25.86	25.74	27.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.88	25.86	25.74	27.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.87	25.92	25.69	27.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.88	25.89	25.69	27.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.81	25.86	25.82	27.00
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.81	25.86	25.76	27.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.82	25.87	25.74	27.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.84	25.78	25.72	27.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.88	25.84	25.81	27.00

<FR1 n78 (270) Ant 4_DSI >							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.31		24.00
100		1	137		23.03		24.00
100		1	271		23.02		24.00
100		135	0		22.67		23.50
100		135	69		23.04		24.00
100		135	138		22.69		23.50
100		270	0		22.53		23.50
100		1	1		23.14		24.00
100		1	137		23.00		24.00
100		1	271		22.95		24.00
100	QPSK	135	0		22.01		23.00
100		135	69		22.99		24.00
100		135	138		21.97		23.00
100		270	0		22.05		23.00
100		16QAM	1	1	22.04		23.00
100		64QAM	1	1	20.39		21.50
100	256QAM	1	1		18.55		19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		23.28	23.30	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		23.16	23.25	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.26	23.27	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.20	23.28	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.17	23.20	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.15	23.24	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.23	23.21	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		23.25	23.21	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		23.16	23.24	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.18	23.19	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.19	23.17	24.00

<FR1 n78 (270) HPUE Ant 4_DSI >							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		25.94		27.00
100		1	137		25.36		27.00
100		1	271		25.49		27.00
100		135	0		24.80		26.50
100		135	69		25.55		27.00
100		135	138		24.89		26.50
100		270	0		25.06		26.50
100		1	1		25.25		27.00
100		1	137		25.51		27.00
100		1	271		25.57		27.00
100	QPSK	135	0		24.47		26.00
100		135	69		25.51		27.00
100		135	138		24.73		26.00
100		270	0		24.75		26.00
100		16QAM	1	1	24.46		26.00
100		64QAM	1	1	23.22		24.50
100	256QAM	1	1		21.39		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		25.58	25.63	26.60
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		25.53	25.55	26.59
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		25.45	25.55	26.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		25.45	25.60	26.56
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		25.46	25.56	26.48
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		25.51	25.54	26.46
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		25.45	25.51	26.53
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		25.46	25.61	26.54
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		25.43	25.51	26.51
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		25.56	25.61	26.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		25.48	25.59	26.52

<FR1 n77 (27Q) Ant 8_DSI 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							
Frequency (MHz)							
100	PI/2 BPSK	1	1	21.69			22.40
100		1	137	21.67			22.40
100		1	271	21.58			22.40
100		135	0	21.53			22.40
100		135	69	21.66			22.40
100		135	138	21.65			22.40
100	QPSK	270	0	21.62			22.40
100		1	1	21.54			22.40
100		1	137	21.66			22.40
100		1	271	21.56			22.40
100		135	0	21.59			22.40
100		135	69	21.63			22.40
100	16QAM	135	138	21.65			22.40
100		270	0	21.60			22.40
100		1	1	21.62			22.40
100		1	1	21.19			21.50
100	256QAM	1	1	19.17			19.50
Channel							
Frequency (MHz)							
90	PI/2 BPSK	1	1	21.63	3499.98	21.51	22.40
Channel							
Frequency (MHz)							
80	PI/2 BPSK	1	1	21.51	3499.98	21.53	22.40
Channel							
Frequency (MHz)							
70	PI/2 BPSK	1	1	21.50	3499.98	21.52	22.40
Channel							
Frequency (MHz)							
60	PI/2 BPSK	1	1	21.58	3499.98	21.53	22.40
Channel							
Frequency (MHz)							
50	PI/2 BPSK	1	1	21.58	3499.98	21.56	22.40
Channel							
Frequency (MHz)							
40	PI/2 BPSK	1	1	21.50	3499.98	21.59	22.40
Channel							
Frequency (MHz)							
30	PI/2 BPSK	1	1	21.56	3499.98	21.60	22.40
Channel							
Frequency (MHz)							
25	PI/2 BPSK	1	1	21.52	3499.98	21.48	22.40
Channel							
Frequency (MHz)							
20	PI/2 BPSK	1	1	21.59	3499.98	21.52	22.40
Channel							
Frequency (MHz)							
15	PI/2 BPSK	1	1	21.49	3499.98	21.57	22.40
Channel							
Frequency (MHz)							
10	PI/2 BPSK	1	1	21.60	3499.98	21.54	22.40

<FR1 n77 (27Q) HPUE_Ant 8_DSI 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							
Frequency (MHz)							
100	PI/2 BPSK	1	1	24.55			25.40
100		1	137	24.53			25.40
100		1	271	24.39			25.40
100		135	0	24.43			25.40
100		135	69	24.54			25.40
100		135	138	24.53			25.40
100	QPSK	270	0	24.45			25.40
100		1	1	24.45			25.40
100		1	137	24.39			25.40
100		1	271	24.50			25.40
100		135	0	24.43			25.40
100		135	69	24.48			25.40
100	16QAM	135	138	24.46			25.40
100		270	0	24.45			25.40
100		1	1	24.52			25.40
100		1	1	24.47			25.40
100	256QAM	1	1	22.78			24.00
Channel							
Frequency (MHz)							
90	PI/2 BPSK	1	1	24.46	3499.98	24.48	25.40
Channel							
Frequency (MHz)							
80	PI/2 BPSK	1	1	24.36	3499.98	24.36	25.40
Channel							
Frequency (MHz)							
70	PI/2 BPSK	1	1	24.32	3499.98	24.37	25.40
Channel							
Frequency (MHz)							
60	PI/2 BPSK	1	1	24.40	3499.98	24.36	25.40
Channel							
Frequency (MHz)							
50	PI/2 BPSK	1	1	24.33	3499.98	24.33	25.40
Channel							
Frequency (MHz)							
40	PI/2 BPSK	1	1	24.45	3499.98	24.38	25.40
Channel							
Frequency (MHz)							
30	PI/2 BPSK	1	1	24.44	3499.98	24.40	25.40
Channel							
Frequency (MHz)							
25	PI/2 BPSK	1	1	24.35	3499.98	24.38	25.40
Channel							
Frequency (MHz)							
20	PI/2 BPSK	1	1	24.44	3499.98	24.34	25.40
Channel							
Frequency (MHz)							
15	PI/2 BPSK	1	1	24.33	3499.98	24.37	25.40
Channel							
Frequency (MHz)							
10	PI/2 BPSK	1	1	24.43	3499.98	24.39	25.40

<FR1 n77 (270)_Ant 8_DSI4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				655668	655668	661334	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	21.58	21.62	21.66	21.57
100		1	137	21.47	21.47	21.61	21.41
100		1	271	21.51	21.52	21.64	21.42
100		135	0	21.43	21.47	21.60	21.40
100		135	69	21.58	21.58	21.63	21.52
100		135	138	21.49	21.53	21.63	21.51
100		270	0	21.42	21.41	21.60	21.39
100		1	1	21.41	21.45	21.54	21.33
100		1	137	21.53	21.45	21.62	21.47
100		1	271	21.43	21.54	21.62	21.44
100	QPSK	135	0	21.45	21.58	21.64	21.48
100		135	69	21.51	21.58	21.61	21.41
100		135	138	21.43	21.50	21.58	21.35
100		270	0	21.46	21.48	21.62	21.42
100	16QAM	1	1	21.38	21.54	21.60	21.45
100	64QAM	1	1	20.76	20.71	20.80	20.55
100	256QAM	1	1	18.94	18.86	18.97	18.83
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	21.52	21.58	21.62	21.41
Channel				649334	653334	661334	662506
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	21.51	21.61	21.61	21.55
Channel				649000	656168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	21.54	21.48	21.55	21.52
Channel				648668	653000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	P1/2 BPSK	1	1	21.48	21.54	21.54	21.50
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	21.43	21.49	21.65	21.43
Channel				648000	654668	661334	664000
Frequency (MHz)				3725	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	21.44	21.55	21.52	21.55
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	21.56	21.52	21.55	21.53
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	21.54	21.61	21.63	21.52
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	21.52	21.48	21.58	21.48
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	21.50	21.55	21.58	21.48
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	21.54	21.51	21.51	21.42

<FR1 n77 (270)_HPUE_Ant 8_DSI4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				655668	655668	661334	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	24.61	24.63	24.67	24.55
100		1	137	24.50	24.49	24.59	24.45
100		1	271	24.46	24.37	24.54	24.34
100		135	0	24.48	24.44	24.57	24.37
100		135	69	24.63	24.61	24.66	24.56
100		135	138	24.49	24.45	24.60	24.45
100		270	0	24.53	24.57	24.65	24.54
100		1	1	24.47	24.44	24.59	24.45
100		1	137	24.38	24.47	24.59	24.49
100		1	271	24.52	24.49	24.60	24.49
100	QPSK	135	0	24.44	24.55	24.63	24.49
100		135	69	24.38	24.38	24.55	24.38
100		135	138	24.55	24.55	24.65	24.43
100		270	0	24.57	24.49	24.58	24.45
100	16QAM	1	1	24.50	24.52	24.59	24.42
100	64QAM	1	1	23.98	24.09	24.20	23.97
100	256QAM	1	1	22.04	22.12	22.21	22.04
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	24.55	24.62	24.60	24.43
Channel				649334	653334	661334	662506
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	24.48	24.52	24.59	24.48
Channel				649000	656168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	24.47	24.57	24.60	24.54
Channel				648668	653000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	P1/2 BPSK	1	1	24.54	24.59	24.52	24.54
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	24.53	24.57	24.60	24.51
Channel				648000	654668	661334	664000
Frequency (MHz)				3725	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	24.51	24.54	24.59	24.45
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	24.47	24.57	24.63	24.47
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	24.47	24.51	24.65	24.43
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	24.50	24.59	24.60	24.54
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	24.57	24.58	24.61	24.42
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	24.59	24.55	24.55	24.44

<FR1 n78 (27Q) Ant 8_DSI 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				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
100	Pi/2 BPSK	1	1	21.65			22.40
100		1	137	21.64			22.40
100		1	271	21.54			22.40
100		135	0	21.42			22.40
100		135	69	21.62			22.40
100		135	138	21.60			22.40
100		270	0	21.47			22.40
100		1	1	21.51			22.40
100		1	137	21.60			22.40
100		1	271	21.41			22.40
100	QPSK	135	0	21.46			22.40
100		135	69	21.55			22.40
100		135	138	21.63			22.40
100		270	0	21.44			22.40
100	16QAM	1	1	21.50			22.40
100	64QAM	1	1	21.02			21.50
100	256QAM	1	1	19.11			19.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	21.53	21.60	21.58	22.40
Channel				633000	633332	633666	
Frequency (MHz)				3495.02	3499.98	3504.99	
80	Pi/2 BPSK	1	1	21.47	21.48	21.55	22.40
Channel				632934	633332	633732	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	21.39	21.47	21.55	22.40
Channel				632900	633332	633766	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	21.44	21.47	21.56	22.40
Channel				631968	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	21.39	21.46	21.49	22.40
Channel				631934	633332	635032	
Frequency (MHz)				3470.01	3499.98	3526.98	
40	Pi/2 BPSK	1	1	21.52	21.51	21.48	22.40
Channel				631900	633332	635066	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	21.41	21.46	21.46	22.40
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	21.50	21.50	21.48	22.40
Channel				630800	633332	635900	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	21.43	21.51	21.52	22.40
Channel				630800	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	21.38	21.57	21.54	22.40
Channel				630734	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	21.40	21.51	21.57	22.40

<FR1 n78 (27Q) HPUE Ant 8_DSI 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				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
100	Pi/2 BPSK	1	1	24.48			25.40
100		1	137	24.43			25.40
100		1	271	24.33			25.40
100		135	0	24.38			25.40
100		135	69	24.46			25.40
100		135	138	24.44			25.40
100		270	0	24.34			25.40
100		1	1	24.37			25.40
100		1	137	24.30			25.40
100		1	271	24.42			25.40
100	QPSK	135	0	24.38			25.40
100		135	69	24.33			25.40
100		135	138	24.44			25.40
100		270	0	24.35			25.40
100	16QAM	1	1	24.46			25.40
100	64QAM	1	1	24.36			25.40
100	256QAM	1	1	22.73			24.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	24.38	24.43	24.40	25.40
Channel				633000	633332	633666	
Frequency (MHz)				3495.02	3499.98	3510	
80	Pi/2 BPSK	1	1	24.34	24.42	24.31	25.40
Channel				632934	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	24.30	24.32	24.28	25.40
Channel				632900	633332	634366	
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	24.36	24.41	24.30	25.40
Channel				631968	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	24.36	24.38	24.27	25.40
Channel				631934	633332	635032	
Frequency (MHz)				3470.01	3499.98	3526.98	
40	Pi/2 BPSK	1	1	24.25	24.38	24.35	25.40
Channel				631900	633332	635066	
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	24.25	24.33	24.31	25.40
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	24.36	24.31	24.31	25.40
Channel				630800	633332	635900	
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	24.38	24.38	24.27	25.40
Channel				630800	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	24.31	24.32	24.36	25.40
Channel				630734	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	24.31	24.42	24.32	25.40

<FR1 n78 (270) Ant 8_DSI 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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	21.62			22.40
100		1	137	21.50			22.40
100		1	271	21.55			22.40
100		135	0	21.42			22.40
100		135	69	21.59			22.40
100		135	138	21.55			22.40
100		270	0	21.50			22.40
100		1	1	21.51			22.40
100		1	137	21.58			22.40
100		1	271	21.48			22.40
100	QPSK	135	0	21.54			22.40
100		135	69	21.45			22.40
100		135	138	21.52			22.40
100		270	0	21.45			22.40
100	16QAM	1	1	21.51			22.40
100	64QAM	1	1	20.67			21.50
100	256QAM	1	1	18.88			19.50
Channel							
Frequency (MHz)				649668	650000	650332	
90	Pi/2 BPSK	1	1	3745.02	3750	3754.98	22.40
Channel							
Frequency (MHz)				649334	650000	650666	
80	Pi/2 BPSK	1	1	3740.01	3750	3759.99	22.40
Channel							
Frequency (MHz)				649000	650000	651000	
70	Pi/2 BPSK	1	1	3735	3750	3765	22.40
Channel							
Frequency (MHz)				648668	650000	651332	
60	Pi/2 BPSK	1	1	3730.02	3750	3769.98	22.40
Channel							
Frequency (MHz)				648334	650000	651666	
50	Pi/2 BPSK	1	1	3725.01	3750	3774.99	22.40
Channel							
Frequency (MHz)				648000	650000	652000	
40	Pi/2 BPSK	1	1	3720	3750	3760	22.40
Channel							
Frequency (MHz)				647668	650000	652332	
30	Pi/2 BPSK	1	1	3715.02	3750	3784.98	22.40
Channel							
Frequency (MHz)				647334	650000	652666	
25	Pi/2 BPSK	1	1	3710.01	3750	3789.99	22.40
Channel							
Frequency (MHz)				647000	650000	653000	
20	Pi/2 BPSK	1	1	3705	3750	3795	22.40
Channel							
Frequency (MHz)				646668	650000	653332	
15	Pi/2 BPSK	1	1	3700	3750	3800	22.40
Channel							
Frequency (MHz)				646334	650000	653666	
10	Pi/2 BPSK	1	1	3695	3750	3805	22.40

<FR1 n78 (270) HPUE Ant 8_DSI 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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	24.56			25.40
100		1	137	24.33			25.40
100		1	271	24.24			25.40
100		135	0	24.35			25.40
100		135	69	24.46			25.40
100		135	138	24.51			25.40
100		270	0	24.52			25.40
100		1	1	24.31			25.40
100		1	137	24.38			25.40
100		1	271	24.46			25.40
100	QPSK	135	0	24.42			25.40
100		135	69	24.29			25.40
100		135	138	24.51			25.40
100		270	0	24.40			25.40
100	16QAM	1	1	24.59			25.40
100	64QAM	1	1	24.06			25.40
100	256QAM	1	1	22.04			24.00
Channel							
Frequency (MHz)				649668	650000	650332	
90	Pi/2 BPSK	1	1	3745.02	3750	3754.98	25.40
Channel							
Frequency (MHz)				649334	650000	650666	
80	Pi/2 BPSK	1	1	3740.01	3750	3759.99	25.40
Channel							
Frequency (MHz)				649000	650000	651000	
70	Pi/2 BPSK	1	1	3735	3750	3765	25.40
Channel							
Frequency (MHz)				648668	650000	651332	
60	Pi/2 BPSK	1	1	3730.02	3750	3769.98	25.40
Channel							
Frequency (MHz)				648334	650000	651666	
50	Pi/2 BPSK	1	1	3725.01	3750	3774.99	25.40
Channel							
Frequency (MHz)				648000	650000	652000	
40	Pi/2 BPSK	1	1	3720	3750	3760	25.40
Channel							
Frequency (MHz)				647668	650000	652332	
30	Pi/2 BPSK	1	1	3715.02	3750	3784.98	25.40
Channel							
Frequency (MHz)				647334	650000	652666	
25	Pi/2 BPSK	1	1	3710.01	3750	3789.99	25.40
Channel							
Frequency (MHz)				647000	650000	653000	
20	Pi/2 BPSK	1	1	3705	3750	3795	25.40
Channel							
Frequency (MHz)				646668	650000	653332	
15	Pi/2 BPSK	1	1	3700	3750	3800	25.40
Channel							
Frequency (MHz)				646334	650000	653666	
10	Pi/2 BPSK	1	1	3695	3750	3805	25.40

<FR1 n14_Ant 0_DSI 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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1	20.07		21.00	
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

<FR1 n14_HPUE_Ant 0_DSI 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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.32		27.00
10		1	26		26.26		27.00
10		1	50		26.13		27.00
10		25	0		25.77		26.50
10		25	14		26.26		27.00
10		25	27		25.72		26.50
10		50	0		25.78		26.50
10		1	1		26.22		27.00
10	QPSK	1	26		26.19		27.00
10		1	50		26.23		27.00
10		25	0		25.19		26.00
10		25	14		26.17		27.00
10		25	27		25.21		26.00
10		50	0		25.04		26.00
10		16QAM	1	1	25.07		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.21	26.25	26.23	27.00

<FR1 n71_Ant 0_DSI 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				136100	136100		
Frequency (MHz)				680.5			
35	PI/2 BPSK	1	1	23.41			24.00
35		1	90	23.25			24.00
35		1	186	23.22			24.00
35		90	0	23.38			24.00
35		90	45	23.39			24.00
35		90	90	23.35			24.00
35		180	0	23.33			24.00
35		1	1	23.24			24.00
35		1	90	23.16			24.00
35		1	186	23.22			24.00
35	QPSK	90	0	23.26			24.00
35		90	45	23.29			24.00
35		90	90	23.24			24.00
35		180	0	23.39			24.00
35		16QAM	1	23.15			24.00
35		64QAM	1	22.21			23.00
35	256QAM	1	1	20.27			21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.31	23.36	23.33	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.17	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.23	23.25	23.25	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.25	23.34	23.24	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.24	23.20	23.25	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.20	23.29	23.26	24.00

<FR1 n71_HPUE_Ant 0_DSI 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				136100	136100		
Frequency (MHz)				680.5			
35	PI/2 BPSK	1	1	26.37			27.00
35		1	90	26.28			27.00
35		1	186	26.24			27.00
35		90	0	25.92			26.50
35		90	45	26.35			27.00
35		90	90	25.84			26.50
35		180	0	25.92			26.50
35		1	1	26.31			27.00
35		1	90	26.29			27.00
35		1	186	26.27			27.00
35	QPSK	90	0	25.36			26.00
35		90	45	26.26			27.00
35		90	90	25.26			26.00
35		180	0	25.17			26.00
35		16QAM	1	25.29			26.00
35		64QAM	1	23.70			24.50
35	256QAM	1	1	21.67			22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.31	26.36	26.28	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.29	26.23	26.25	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.19	26.24	26.17	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.19	26.20	26.16	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.18	26.32	26.21	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.18	26.24	26.16	27.00

<FR1 n30_Ant 2_DSI 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				462000			
Frequency (MHz)				2310			
10	Pi/2 BPSK	1	1		23.40		24.00
10		1	26		23.35		24.00
10		1	50		23.36		24.00
10		25	0		23.32		24.00
10		25	14		23.38		24.00
10		25	27		23.36		24.00
10		50	0		23.31		24.00
10		1	1		23.32		24.00
10		1	26		23.25		24.00
10		1	50		23.32		24.00
10	QPSK	25	0		23.32		24.00
10		25	14		23.31		24.00
10		25	27		23.32		24.00
10		50	0		23.35		24.00
10	16QAM	1	1		23.30		24.00
10	64QAM	1	1		21.75		23.00
10	256QAM	1	1		19.75		21.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	23.36	23.37	23.27	24.00

<FR1 n14_Ant 1_DSI 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						158600			
Frequency (MHz)						793			
10	Pi/2 BPSK	1	1			23.37		24.00	
10		1	26			23.30		24.00	
10		1	50			23.26		24.00	
10		25	0			23.30		24.00	
10		25	14			23.35		24.00	
10		25	27			23.23		24.00	
10		50	0			23.29		24.00	
10		1	1			23.24		24.00	
10	QPSK	1	26			23.29		24.00	
10		1	50			23.12		24.00	
10		25	0			23.23		24.00	
10		25	14			23.36		24.00	
10		25	27			23.30		24.00	
10		50	0			23.23		24.00	
10		16QAM	1	1			23.22		24.00
10		64QAM	1	1			22.22		23.00
10	256QAM	1	1			20.16		21.20	
Channel					158100	158600	159100	Tune-up Limit (dbm)	
Frequency (MHz)					790.5	793	795.5		
5	Pi/2 BPSK	1	1	1	23.31	23.35	23.32	24.00	

<FR1 n14_HPUE_Ant 1_DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Free	Power Middle Ch. / Free	Power High Ch. / Free	Tune-up Limit (dBm)
Channel							
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		25.28		26.20
10		1	26		25.25		26.20
10		1	50		25.18		26.20
10		25	0		25.15		26.20
10		25	14		25.27		26.20
10		25	27		25.25		26.20
10		50	0		25.13		26.20
10		1	1		25.26		26.20
10	QPSK	1	26		25.22		26.20
10		1	50		25.27		26.20
10		25	0		25.22		26.00
10		25	14		25.15		26.20
10		25	27		25.26		26.00
10		50	0		25.16		26.00
10		16QAM	1	1	25.26		26.00
10		64QAM	1	1	23.74		24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	25.24	25.26	25.23	26.20

<FR1 n30_Ant 1_DSI 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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.42		23.00
10		1	26		22.26		23.00
10		1	50		22.18		23.00
10		25	0		22.23		23.00
10		25	14		22.34		23.00
10		25	27		22.27		23.00
10		50	0		22.33		23.00
10		1	1		22.20		23.00
10		1	26		22.40		23.00
10		1	50		22.21		23.00
10	QPSK	25	0		22.23		23.00
10		25	14		22.19		23.00
10		25	27		22.31		23.00
10		50	0		22.30		23.00
10		16QAM	1	1	22.14		23.00
10		64QAM	1	1	22.23		23.00
10	256QAM	1	1		19.56		21.00
Channel				461500	462000	462500	Tune-up Limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	22.29	22.35	22.29	23.00

<FR1 n71_Ant 1_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.33		24.00
35		1	90		23.22		24.00
35		1	186		22.88		24.00
35		90	0		23.21		24.00
35		90	45		23.31		24.00
35		90	90		23.17		24.00
35		180	0		23.25		24.00
35		1	1		23.16		24.00
35	QPSK	1	90		23.32		24.00
35		1	186		23.10		24.00
35		90	0		23.28		24.00
35		90	45		23.32		24.00
35		90	90		23.29		24.00
35		180	0		23.22		24.00
35		16QAM	1	1	23.11		24.00
35		64QAM	1	1	22.09		23.00
35	256QAM	1	1		20.16		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.21	23.25	23.24	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.11	23.11	23.21	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.07	23.20	23.14	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.09	23.12	23.14	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.18	23.12	23.17	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.18	23.24	23.18	24.00

<FR1 n71_HPUE_Ant 1_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		26.31		27.00
35		1	90		26.29		27.00
35		1	186		26.13		27.00
35		90	0		25.72		26.50
35		90	45		26.26		27.00
35		90	90		25.73		26.50
35		180	0		25.78		26.50
35		1	1		26.29		27.00
35	QPSK	1	90		26.19		27.00
35		1	186		26.23		27.00
35		90	0		25.16		26.00
35		90	45		26.22		27.00
35		90	90		25.17		26.00
35		180	0		25.07		26.00
35		16QAM	1	1	25.17		26.00
35		64QAM	1	1	23.65		24.50
35	256QAM	1	1		21.59		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.25	26.28	26.27	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.18	26.20	26.20	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.18	26.22	26.20	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.17	26.15	26.23	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.24	26.14	26.16	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.16	26.15	26.15	27.00

<FR1 n2_Ant 6_DSI 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				374000	376000	378000	Tune-up Limit (dbm)	
Frequency (MHz)				1670	1680	1690		
40	PI/2 BPSK	1	1	21.35	21.58	21.43	22.00	
40		1	108	21.13	21.49	21.25	22.00	
40		1	214	21.19	21.57	21.39	22.00	
40		108	0	20.91	21.28	21.10	22.00	
40		108	54	21.13	21.50	21.25	22.00	
40		108	108	21.16	21.42	21.26	22.00	
40		216	0	21.02	21.33	21.06	22.00	
40		1	1	20.88	21.25	21.09	22.00	
40		1	108	21.01	21.31	21.10	22.00	
40		1	214	21.19	21.47	21.28	22.00	
40	QPSK	108	0	21.10	21.36	21.16	22.00	
40		108	54	21.03	21.33	21.11	22.00	
40		108	108	21.06	21.33	21.07	22.00	
40		216	0	20.97	21.32	21.04	22.00	
40		16QAM	1	1	20.92	21.20	20.97	22.00
40		64QAM	1	1	19.86	20.22	20.00	21.00
40	256QAM	1	1	17.79	18.11	17.89	19.00	
Channel				373500	376000	378500	Tune-up Limit (dbm)	
Frequency (MHz)				1667.5	1680	1692.5		
35	PI/2 BPSK	1	1	21.20	21.46	21.38	22.00	
Channel				373000	376000	379000	Tune-up Limit (dbm)	
Frequency (MHz)				1665	1680	1695		
30	PI/2 BPSK	1	1	21.21	21.55	21.41	22.00	
Channel				372500	376000	379500	Tune-up Limit (dbm)	
Frequency (MHz)				1662.5	1680	1697.5		
25	PI/2 BPSK	1	1	21.21	21.47	21.31	22.00	
Channel				372000	376000	380000	Tune-up Limit (dbm)	
Frequency (MHz)				1660	1680	1690		
20	PI/2 BPSK	1	1	21.25	21.56	21.37	22.00	
Channel				371500	376000	380500	Tune-up Limit (dbm)	
Frequency (MHz)				1657.5	1680	1692.5		
15	PI/2 BPSK	1	1	21.31	21.49	21.29	22.00	
Channel				371000	376000	381000	Tune-up Limit (dbm)	
Frequency (MHz)				1655	1680	1695		
10	PI/2 BPSK	1	1	21.33	21.46	21.36	22.00	
Channel				370500	376000	381500	Tune-up Limit (dbm)	
Frequency (MHz)				1652.5	1680	1697.5		
5	PI/2 BPSK	1	1	21.26	21.49	21.38	22.00	

<FR1 n25_Ant 6_DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				374000	376500	379000	Tune-up Limit (dBm)	
Frequency (MHz)				1670	1682.5	1695		
40	Pi/2 BPSK	1	1	21.43	21.48	21.42	22.00	
40		1	108	21.25	21.45	21.26	22.00	
40		1	214	21.32	21.47	21.36	22.00	
40		108	0	21.16	21.26	21.07	22.00	
40		108	54	21.27	21.42	21.32	22.00	
40		108	108	21.26	21.41	21.22	22.00	
40		216	0	21.21	21.32	21.17	22.00	
40		1	1	21.25	21.40	21.24	22.00	
40		1	108	21.23	21.32	21.19	22.00	
40		1	214	21.25	21.43	21.23	22.00	
40	QPSK	108	0	21.21	21.31	21.12	22.00	
40		108	54	21.20	21.30	21.16	22.00	
40		108	108	21.22	21.32	21.22	22.00	
40		216	0	21.15	21.33	21.25	22.00	
40		16QAM	1	1	21.04	21.21	21.05	22.00
40		64QAM	1	1	20.41	20.50	20.30	21.00
40	256QAM	1	1	18.34	18.40	18.25	19.00	
Channel				373500	376500	379500	Tune-up Limit (dBm)	
Frequency (MHz)				1667.5	1682.5	1697.5		
35	Pi/2 BPSK	1	1	21.41	21.41	21.32	22.00	
Channel				373000	376500	380000	Tune-up Limit (dBm)	
Frequency (MHz)				1665	1682.5	1690		
30	Pi/2 BPSK	1	1	21.38	21.40	21.37	22.00	
Channel				372500	376500	380500	Tune-up Limit (dBm)	
Frequency (MHz)				1662.5	1682.5	1692.5		
25	Pi/2 BPSK	1	1	21.31	21.44	21.33	22.00	
Channel				372000	376500	381000	Tune-up Limit (dBm)	
Frequency (MHz)				1660	1682.5	1695		
20	Pi/2 BPSK	1	1	21.35	21.42	21.29	22.00	
Channel				371500	376500	381500	Tune-up Limit (dBm)	
Frequency (MHz)				1657.5	1682.5	1697.5		
15	Pi/2 BPSK	1	1	21.35	21.40	21.31	22.00	
Channel				371000	376500	382000	Tune-up Limit (dBm)	
Frequency (MHz)				1655	1682.5	1690		
10	Pi/2 BPSK	1	1	21.41	21.36	21.30	22.00	
Channel				370500	376500	382500	Tune-up Limit (dBm)	
Frequency (MHz)				1652.5	1682.5	1697.5		
5	Pi/2 BPSK	1	1	21.39	21.36	21.31	22.00	

<FR1 n30_Ant 6_DSI 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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.53		22.00
10		1	26		21.52		22.00
10		1	50		21.50		22.00
10		25	0		21.46		22.00
10		25	14		21.52		22.00
10		25	27		21.48		22.00
10		50	0		21.47		22.00
10		1	1		21.51		22.00
10		1	26		21.42		22.00
10		1	50		21.43		22.00
10	QPSK	25	0		21.47		22.00
10		25	14		21.44		22.00
10		25	27		21.46		22.00
10		50	0		21.46		22.00
10		16QAM	1	1	21.42		22.00
10		64QAM	1	1	19.90		21.00
10	256QAM	1	1		17.83		19.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.48	21.52	21.50	22.00

<FR1 n66_Ant 6_DSI 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					346500	349000	351500	Tune-up Limit (dBm)
Frequency (MHz)					1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.86	21.88	21.81	22.00	
45		1	120	21.72	21.78	21.62	22.00	
45		1	240	21.28	21.37	21.18	22.00	
45		120	0	21.52	21.62	21.40	22.00	
45		120	60	21.49	21.63	21.42	22.00	
45		120	120	21.48	21.60	21.39	22.00	
45		240	0	21.49	21.58	21.40	22.00	
45		1	1	21.70	21.79	21.66	22.00	
45		1	120	21.41	21.55	21.35	22.00	
45		1	240	21.28	21.32	21.16	22.00	
45	QPSK	120	0	21.55	21.63	21.47	22.00	
45		120	60	21.48	21.57	21.41	22.00	
45		120	120	21.55	21.61	21.39	22.00	
45		240	0	21.43	21.59	21.50	22.00	
45		16QAM	1	1	21.64	21.73	21.55	22.00
45		64QAM	1	1	20.62	20.70	20.60	21.00
45	256QAM	1	1	18.41	18.47	18.27	19.00	
Channel					346000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)					1730	1745	1760	
40	PI/2 BPSK	1	1	21.74	21.79	21.74	22.00	
Channel					345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)					1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.73	21.76	21.68	22.00	
Channel					345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)					1725	1745	1765	
30	PI/2 BPSK	1	1	21.75	21.78	21.80	22.00	
Channel					344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)					1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.72	21.76	21.66	22.00	
Channel					344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)					1720	1745	1770	
20	PI/2 BPSK	1	1	21.73	21.87	21.70	22.00	
Channel					343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)					1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.79	21.78	21.75	22.00	
Channel					343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)					1715	1745	1775	
10	PI/2 BPSK	1	1	21.77	21.84	21.70	22.00	
Channel					342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)					1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.79	21.83	21.70	22.00	

<FR1 n70_Ant 6_DSI 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					340500		Tune-up Limit (dBm)	
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		21.75		22.00	
15		1	40		21.67		22.00	
15		1	77		21.70		22.00	
15		36	0		21.56		22.00	
15		36	22		21.66		22.00	
15		36	43		21.58		22.00	
15		75	0		21.54		22.00	
15		1	1		21.64		22.00	
15		1	40		21.62		22.00	
15		1	77		21.63		22.00	
15	QPSK	36	0		21.56		22.00	
15		36	22		21.44		22.00	
15		36	43		21.51		22.00	
15		75	0		21.56		22.00	
15		16QAM	1	1		21.62		22.00
15		64QAM	1	1		20.59		21.00
15	256QAM	1	1		18.48		19.00	
Channel				340000	340500	341000	Tune-up Limit (dBm)	
Frequency (MHz)				1700	1702.5	1705		
10	PI/2 BPSK	1	1	21.63	21.72	21.68	22.00	
Channel				339500	340500	341500	Tune-up Limit (dBm)	
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI/2 BPSK	1	1	21.55	21.64	21.64	22.00	

<FR1 n77 (27Q) Ant 7_DSI 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				633300	633332			
Frequency (MHz)					3499.98			
100	PI2 BPSK	1	1		19.36		20.30	
100		1	137		19.35		20.30	
100		1	271		19.31		20.30	
100		135	0		19.28		20.30	
100		135	69		19.35		20.30	
100		135	138		19.35		20.30	
100	QPSK	270	0		19.30		20.30	
100		1	1		19.26		20.30	
100		1	137		19.26		20.30	
100		1	271		19.30		20.30	
100		135	0		19.28		20.30	
100		135	69		19.28		20.30	
100		135	138		19.20		20.30	
100		270	0		19.28		20.30	
100	16QAM	1	1		19.27		20.30	
100	64QAM	1	1		19.26		20.30	
100	256QAM	1	1		18.70		19.00	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI2 BPSK	1	1		19.27	19.20	20.30	
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI2 BPSK	1	1		19.13	19.17	19.07	20.30
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI2 BPSK	1	1		19.13	19.26	19.06	20.30
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI2 BPSK	1	1		19.14	19.23	19.08	20.30
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI2 BPSK	1	1		19.12	19.16	19.19	20.30
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3528.98		
40	PI2 BPSK	1	1		19.23	19.27	19.05	20.30
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI2 BPSK	1	1		19.14	19.18	19.13	20.30
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI2 BPSK	1	1		19.17	19.29	19.07	20.30
Channel				630568	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI2 BPSK	1	1		19.16	19.29	19.17	20.30
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI2 BPSK	1	1		19.20	19.22	19.08	20.30
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI2 BPSK	1	1		19.18	19.26	19.10	20.30

<FR1 n77 (27Q) HPUE_Ant 7_DSI 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					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		22.43		23.30	
100		1	137		22.39		23.30	
100		1	271		22.35		23.30	
100		135	0		22.32		23.30	
100		135	69		22.34		23.30	
100		135	138		22.25		23.30	
100	QPSK	270	0		22.28		23.30	
100		1	1		22.33		23.30	
100		1	137		22.28		23.30	
100		1	271		22.33		23.30	
100		135	0		22.32		23.30	
100		135	69		22.32		23.30	
100	16QAM	1	1		22.30		23.30	
100		270	0		22.28		23.30	
100	64QAM	1	1		22.39		23.30	
100	256QAM	1	1		22.35		23.00	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1		22.38	22.41	22.40	23.30
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1		22.30	22.27	22.35	23.30
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1		22.31	22.37	22.38	23.30
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1		22.32	22.32	22.30	23.30
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1		22.32	22.27	22.27	23.30
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3528.98		
40	PI/2 BPSK	1	1		22.35	22.38	22.31	23.30
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1		22.26	22.36	22.33	23.30
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1		22.34	22.39	22.38	23.30
Channel				630568	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1		22.33	22.39	22.38	23.30
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1		22.25	22.38	22.30	23.30
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1		22.25	22.33	22.37	23.30

<FR1 n77 (270)_Ant 7_DSI 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				650000	655668	661334	662000	
Frequency (MHz)				3750	3815.02	3920.01	3930	
100	PI2 BPSK	1	1	19.15	19.28	19.39	19.21	20.30
100		1	137	19.04	19.18	19.38	19.20	20.30
100		1	271	19.06	19.13	19.33	19.19	20.30
100		135	0	19.04	19.11	19.31	19.17	20.30
100		135	69	19.25	19.33	19.37	19.20	20.30
100		135	138	18.97	19.15	19.33	19.10	20.30
100		270	0	18.95	19.14	19.33	19.18	20.30
100		1	1	18.93	19.17	19.32	19.11	20.30
100		1	137	18.97	19.09	19.32	19.18	20.30
100		1	271	19.04	19.23	19.37	19.13	20.30
100	QPSK	135	0	18.95	19.10	19.30	19.05	20.30
100		135	69	18.95	19.08	19.32	19.10	20.30
100		135	138	18.95	19.04	19.30	19.17	20.30
100		270	0	19.01	19.07	19.32	19.08	20.30
100	16QAM	1	1	18.97	19.16	19.29	19.07	20.30
100	64QAM	1	1	19.15	19.30	19.38	19.26	20.30
100	256QAM	1	1	18.49	18.51	18.74	18.63	19.00
Channel				649668	655500	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	P1/2 BPSK	1	1	18.92	19.07	19.25	19.14	20.30
Channel				649334	655334	661334	665666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	P1/2 BPSK	1	1	19.05	19.06	19.34	19.13	20.30
Channel				649000	656168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	P1/2 BPSK	1	1	18.93	19.13	19.28	19.14	20.30
Channel				649668	655500	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	P1/2 BPSK	1	1	19.02	19.18	19.28	19.18	20.30
Channel				649334	654834	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	P1/2 BPSK	1	1	18.94	19.11	19.32	19.18	20.30
Channel				649000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	P1/2 BPSK	1	1	18.94	19.17	19.34	19.17	20.30
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	P1/2 BPSK	1	1	18.93	19.12	19.35	19.17	20.30
Channel				647500	654419	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	P1/2 BPSK	1	1	18.97	19.11	19.25	19.14	20.30
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	P1/2 BPSK	1	1	19.04	19.06	19.34	19.16	20.30
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	P1/2 BPSK	1	1	18.93	19.07	19.31	19.12	20.30
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	P1/2 BPSK	1	1	18.93	19.08	19.29	19.10	20.30

<FR1 n77 (270)_HPUE_Ant 7_DSI 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)	
Channel				655000	655666	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	PI2 BPSK	1	1	21.99	22.18	22.40	22.25	23.30
100		1	137	22.23	22.31	22.35	22.24	23.30
100		1	271	22.05	22.28	22.38	22.24	23.30
100		135	0	22.13	22.34	22.28	22.05	23.30
100		135	69	22.01	22.28	22.35	22.15	23.30
100		135	138	22.23	22.16	22.30	22.12	23.30
100		270	0	22.19	22.31	22.26	22.07	23.30
100		1	1	22.03	22.20	22.27	22.12	23.30
100		1	137	22.19	22.21	22.35	22.12	23.30
100		1	271	22.08	22.29	22.34	22.15	23.30
100	QPSK	135	0	22.06	22.24	22.23	22.06	23.30
100		135	69	22.04	22.28	22.35	22.13	23.30
100		135	138	22.07	22.31	22.23	22.08	23.30
100		270	0	22.02	22.21	22.25	22.07	23.30
100	16QAM	1	1	22.09	22.23	22.37	22.12	23.30
100	64QAM	1	1	22.07	22.33	22.34	22.11	23.30
100	256QAM	1	1	21.01	21.24	21.42	21.24	22.00
Channel				649668	655500	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	PI2 BPSK	1	1	21.86	22.16	22.29	22.21	23.30
Channel				649334	653334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	PI2 BPSK	1	1	21.95	22.05	22.31	22.23	23.30
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	PI2 BPSK	1	1	21.89	22.14	22.27	22.16	23.30
Channel				649668	655500	661334	662332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	PI2 BPSK	1	1	21.86	22.12	22.38	22.18	23.30
Channel				648334	654834	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	PI2 BPSK	1	1	21.98	22.10	22.36	22.17	23.30
Channel				649000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	PI2 BPSK	1	1	21.90	22.13	22.32	22.20	23.30
Channel				647668	654500	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	PI2 BPSK	1	1	21.91	22.06	22.26	22.19	23.30
Channel				647500	654419	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	PI2 BPSK	1	1	21.90	22.15	22.32	22.20	23.30
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	PI2 BPSK	1	1	21.97	22.13	22.35	22.21	23.30
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	PI2 BPSK	1	1	21.90	22.15	22.34	22.16	23.30
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	PI2 BPSK	1	1	21.84	22.06	22.37	22.22	23.30

<FR1 n78 (27Q, Ant 7, DSI 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				633332			3499.98
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1	19.35			20.30
100		1	137	19.30			20.30
100		1	271	19.26			20.30
100		135	0	19.19			19.80
100		135	69	19.31			20.30
100		135	138	19.31			19.80
100	QPSK	270	0	19.27			19.80
100		1	1	19.22			20.30
100		1	137	19.24			20.30
100		1	271	19.23			20.30
100		135	0	19.19			20.30
100		135	69	19.18			20.30
100	16QAM	135	138	19.11			20.30
100		270	0	19.17			20.30
100		19QAM	1	1	19.17		20.30
100	64QAM	1	1	19.14		20.30	
100	256QAM	1	1	18.82		19.00	
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	19.30	19.34	19.27	20.30
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	19.17	19.31	19.13	20.30
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	19.27	19.22	19.22	20.30
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	19.17	19.29	19.14	20.30
Channel				631666	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	19.21	19.23	19.22	20.30
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3478.01	3499.98	3526.98	
40	Pi/2 BPSK	1	1	19.15	19.32	19.13	20.30
Channel				631000	633332	635998	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3534.99	
30	Pi/2 BPSK	1	1	19.21	19.25	19.23	20.30
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3482.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	19.17	19.30	19.23	20.30
Channel				630568	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3540	
20	Pi/2 BPSK	1	1	19.18	19.24	19.16	20.30
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	19.28	19.31	19.19	20.30
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3458.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	19.26	19.33	19.25	20.30

<FR1 n78 (27Q, HPUE, Ant 7, DSI 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				633332			3499.98
Frequency (MHz)							
100	Pi/2 BPSK	1	1		22.32		23.30
100		1	137		22.31		23.30
100		1	271		22.28		23.30
100		135	0	22.28			23.30
100		135	69	22.30			23.30
100		135	138	22.16			23.30
100	QPSK	270	0	22.25			23.30
100		1	1	22.27			23.30
100		1	137	22.22			23.30
100		1	271	22.24			23.30
100		135	0	22.17			23.30
100		135	69	22.17			23.30
100	16QAM	1	1	22.20			23.30
100		64QAM	1	1	22.27		23.30
100		256QAM	1	1	22.24		23.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	22.24	22.27	22.23	23.30
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3510	
80	Pi/2 BPSK	1	1	22.13	22.18	22.15	23.30
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	22.16	22.24	22.20	23.30
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi/2 BPSK	1	1	22.16	22.13	22.18	23.30
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	22.21	22.16	22.15	23.30
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3478.01	3499.98	3526.98	
40	Pi/2 BPSK	1	1	22.14	22.17	22.13	23.30
Channel				631000	633332	635998	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3534.99	
30	Pi/2 BPSK	1	1	22.10	22.20	22.16	23.30
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3482.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	22.11	22.14	22.18	23.30
Channel				630568	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3540	
20	Pi/2 BPSK	1	1	22.16	22.17	22.15	23.30
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	22.23	22.19	22.12	23.30
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3458.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	22.22	22.22	22.08	23.30

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	19.35			20.30
100		1	137	19.30			20.30
100		1	271	19.27			20.30
100		135	0	19.24			20.30
100		135	69	19.33			20.30
100		135	138	19.28			20.30
100	QPSK	270	0	19.29			20.30
100		1	1	19.23			20.30
100		1	137	19.28			20.30
100		1	271	19.27			20.30
100		135	0	19.25			20.30
100		135	69	19.15			20.30
100	16QAM	135	138	19.18			20.30
100		270	0	19.15			20.30
100	16QAM	1	1	19.20			20.30
100	64QAM	1	1	19.30			20.30
100	256QAM	1	1	18.58			19.00
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up Limit (dBm)
				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.30	19.33	19.27	20.30
Channel							
Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.18	19.27	19.22	20.30
Channel							
Frequency (MHz)				649000	650000	651000	Tune-up Limit (dBm)
				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.17	19.31	19.17	20.30
Channel							
Frequency (MHz)				648668	650000	651332	Tune-up Limit (dBm)
				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	19.23	19.19	19.17	20.30
Channel							
Frequency (MHz)				648334	650000	651666	Tune-up Limit (dBm)
				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.21	19.29	19.18	20.30
Channel							
Frequency (MHz)				648000	650000	652000	Tune-up Limit (dBm)
				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.22	19.27	19.28	20.30
Channel							
Frequency (MHz)				647668	650000	652332	Tune-up Limit (dBm)
				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.19	19.25	19.25	20.30
Channel							
Frequency (MHz)				647500	650000	652500	Tune-up Limit (dBm)
				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.25	19.19	19.20	20.30
Channel							
Frequency (MHz)				647334	650000	652666	Tune-up Limit (dBm)
				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.27	19.28	19.20	20.30
Channel							
Frequency (MHz)				647168	650000	652832	Tune-up Limit (dBm)
				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.19	19.20	19.16	20.30
Channel							
Frequency (MHz)				647000	650000	653000	Tune-up Limit (dBm)
				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.15	19.25	19.16	20.30

<FR1 n78 (270), HPUE, Ant 7, DSI 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)					3750		
100	Pi/2 BPSK	1	1		22.32		23.30
100		1	137		22.23		23.30
100		1	271		22.23		23.30
100		135	0		22.19		23.30
100		135	69		22.27		23.30
100		135	138		22.27		23.30
100	QPSK	270	0		22.18		23.30
100		1	1		22.11		23.30
100		1	137		22.30		23.30
100		1	271		22.25		23.30
100		135	0		22.17		23.30
100		135	69		22.23		23.30
100	16QAM	135	138		22.15		23.30
100		270	0		22.08		23.30
100	16QAM	1	1		22.25		23.30
100	64QAM	1	1		22.28		23.30
100	256QAM	1	1		21.33		22.00
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up Limit (dBm)
				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		22.20	22.23	23.30
Channel							
Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		22.14	22.21	23.30
Channel							
Frequency (MHz)				649000	650000	651000	Tune-up Limit (dBm)
				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.17	22.13	23.30
Channel							
Frequency (MHz)				648668	650000	651332	Tune-up Limit (dBm)
				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.14	22.25	23.30
Channel							
Frequency (MHz)				648334	650000	651666	Tune-up Limit (dBm)
				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		22.07	22.16	23.30
Channel							
Frequency (MHz)				648000	650000	652000	Tune-up Limit (dBm)
				3720	3750	3780	
40	Pi/2 BPSK	1	1		22.13	22.15	23.30
Channel							
Frequency (MHz)				647668	650000	652332	Tune-up Limit (dBm)
				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		22.12	22.23	23.30
Channel							
Frequency (MHz)				647500	650000	652500	Tune-up Limit (dBm)
				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		22.15	22.26	23.30
Channel							
Frequency (MHz)				647334	650000	652666	Tune-up Limit (dBm)
				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		22.07	22.18	23.30
Channel							
Frequency (MHz)				647168	650000	652832	Tune-up Limit (dBm)
				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		22.13	22.20	23.30
Channel							
Frequency (MHz)				647000	650000	653000	Tune-up Limit (dBm)
				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.08	22.16	23.30

<FR1 n77 (27Q) Ant 5_DSI 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				633300	633332	633666	21.50
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		21.08		21.50
100		1	137		20.86		21.50
100		1	271		20.93		21.50
100		135	0		20.89		21.50
100		135	69		21.03		21.50
100	QPSK	135	138		20.82		21.50
100		270	0		21.01		21.50
100		1	1		20.87		21.50
100		1	137		20.88		21.50
100		1	271		20.99		21.50
100	16QAM	135	0		20.98		21.50
100		135	69		20.83		21.50
100		135	138		20.98		21.50
100	64QAM	270	0		20.93		21.50
100	16QAM	1	1		20.86		21.50
100	64QAM	1	1		20.85		21.50
100	256QAM	1	1		18.84		19.50
Channel				633000	633332	633666	21.50
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1		21.00	21.03	21.50
Channel				632668	633332	634000	21.50
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		20.89	21.02	21.50
Channel				632334	633332	634332	21.50
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		20.92	20.90	21.50
Channel				632000	633332	634666	21.50
Frequency (MHz)				3485	3499.98	3518.99	
60	PI/2 BPSK	1	1		20.89	20.98	21.50
Channel				631668	633332	635000	21.50
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		20.94	20.93	21.50
Channel				631334	633332	635332	21.50
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1		20.88	21.01	21.50
Channel				631000	633332	635666	21.50
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		20.93	20.95	21.50
Channel				630634	633332	635832	21.50
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1		20.99	21.01	21.50
Channel				630668	633332	636000	21.50
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		20.87	20.90	21.50
Channel				630500	633332	636166	21.50
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		20.87	20.96	21.50
Channel				630334	633332	636332	21.50
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		20.96	20.91	21.50

<FR1 n77 (27Q) HPUE_Ant 5_DSI 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				633000	633332	633666	24.50
Frequency (MHz)				3495	3499.98	3504.99	
100	PI/2 BPSK	1	1		24.05		24.50
100		1	137		24.02		24.50
100		1	271		23.90		24.50
100		135	0		23.92		24.50
100		135	69		24.01		24.50
100	QPSK	135	138		23.98		24.50
100		270	0		24.01		24.50
100		1	1		24.01		24.50
100		1	137		23.98		24.50
100		1	271		23.95		24.50
100	16QAM	135	0		23.87		24.50
100		135	69		23.91		24.50
100		135	138		23.95		24.50
100	64QAM	270	0		23.85		24.50
100	16QAM	1	1		23.85		24.50
100	64QAM	1	1		23.93		24.50
100	256QAM	1	1		22.47		24.00
Channel				633000	633332	633666	24.50
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1		23.83	24.01	24.50
Channel				632668	633332	634000	24.50
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		23.80	23.99	24.50
Channel				632334	633332	634332	24.50
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		23.81	23.97	24.50
Channel				632000	633332	634666	24.50
Frequency (MHz)				3485	3499.98	3518.99	
60	PI/2 BPSK	1	1		23.84	24.00	24.50
Channel				631668	633332	635000	24.50
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		23.83	23.87	24.50
Channel				631334	633332	635332	24.50
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1		23.84	23.91	24.50
Channel				631000	633332	635666	24.50
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		23.85	23.89	24.50
Channel				630634	633332	635832	24.50
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1		23.90	23.88	24.50
Channel				630668	633332	636000	24.50
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		23.96	23.92	24.50
Channel				630500	633332	636166	24.50
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		23.85	23.99	24.50
Channel				630334	633332	636332	24.50
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		23.92	23.86	24.50

<FR1 n77 (270)_Ant 5_DSI 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				656680	661334	665990	
Frequency (MHz)				3755	3835.02	3920.01	
190	PI2 BPSK	1	1	20.74	21.09	21.23	21.50
190		1	137	20.48	20.94	21.10	21.50
190		1	271	20.59	20.93	21.22	21.50
190		135	0	20.49	20.86	21.11	21.50
190		135	69	20.86	21.08	21.22	21.50
190		135	138	20.60	20.96	21.15	21.50
190		270	0	20.59	20.88	21.15	21.50
190		1	1	20.66	20.95	21.18	21.50
190		1	137	20.55	20.97	21.19	21.50
190		1	271	20.64	20.98	21.19	21.50
190	QPSK	135	0	20.54	20.99	21.17	21.50
190		135	69	20.58	20.97	21.14	21.50
190		135	138	20.57	20.94	21.16	21.50
190		270	0	20.47	20.90	21.08	21.50
190	16QAM	1	1	20.59	20.87	21.11	21.50
190	64QAM	1	1	20.58	20.84	21.11	21.50
190	256QAM	1	1	18.35	18.80	18.98	19.50
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	20.72	20.96	21.08	21.50
Channel				648334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	20.61	21.07	21.20	21.50
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	20.64	20.95	21.14	21.02
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	PI2 BPSK	1	1	20.62	21.06	21.10	21.12
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	20.66	20.98	21.17	20.98
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	20.65	21.02	21.09	21.11
Channel				647668	654990	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	20.59	20.98	21.22	21.12
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	20.62	21.06	21.20	21.10
Channel				647284	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	20.67	20.96	21.08	21.03
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	20.65	20.96	21.15	21.12
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	20.66	21.00	21.21	21.12

<FR1 n77 (270)_HPUE_Ant 5_DSI 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				656680	661334	665990	
Frequency (MHz)				3755	3835.02	3920.01	
190	PI2 BPSK	1	1	23.70	23.88	24.20	24.03
190		1	137	23.52	23.72	24.07	23.84
190		1	271	23.57	23.64	24.10	23.89
190		135	0	23.57	23.65	24.09	23.85
190		135	69	23.62	23.95	24.19	23.99
190		135	138	23.52	23.69	24.10	23.97
190		270	0	23.57	23.77	24.11	23.89
190		1	1	23.49	23.73	24.10	23.91
190		1	137	23.63	23.80	24.18	23.96
190		1	271	23.64	23.79	24.18	23.97
190	QPSK	135	0	23.58	23.72	24.12	23.91
190		135	69	23.58	23.73	24.17	23.92
190		135	138	23.59	23.64	24.10	23.97
190		270	0	23.55	23.74	24.12	23.92
190	16QAM	1	1	23.64	23.76	24.18	24.00
190	64QAM	1	1	23.48	23.63	24.07	23.88
190	256QAM	1	1	21.56	21.63	22.10	21.88
Channel				649668	655000	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	23.55	23.86	24.10	24.00
Channel				648334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	23.65	23.79	24.13	23.96
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	23.63	23.73	24.11	23.94
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	PI2 BPSK	1	1	23.67	23.76	24.09	23.93
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	23.67	23.84	24.11	23.90
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	23.60	23.65	24.10	23.99
Channel				647668	654990	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	23.62	23.77	24.09	23.99
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	23.63	23.77	24.10	24.00
Channel				647284	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	23.57	23.78	24.12	23.98
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	23.65	23.78	24.14	23.94
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	23.60	23.78	24.17	23.96

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	20.99	20.99	21.01	21.50
100		1	137	20.68	20.68	21.50	21.50
100		1	271	20.79	20.79	21.50	21.50
100		135	0	20.81	20.81	21.50	21.50
100		135	69	20.94	20.94	21.50	21.50
100		135	138	20.77	20.77	21.50	21.50
100		270	0	20.86	20.86	21.50	21.50
100		1	1	20.80	20.80	21.50	21.50
100		1	137	20.70	20.70	21.50	21.50
100		1	271	20.85	20.85	21.50	21.50
100	QPSK	135	0	20.95	20.95	21.50	21.50
100		135	69	20.70	20.70	21.50	21.50
100		135	138	20.63	20.63	21.50	21.50
100		270	0	20.82	20.82	21.50	21.50
100	16QAM	1	1	20.82	20.82	21.50	21.50
100	64QAM	1	1	20.70	20.70	21.50	21.50
100	256QAM	1	1	18.73	18.73	19.50	19.50
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	20.85	20.85	20.81	21.50
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	20.74	20.86	20.73	21.50
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	20.79	20.88	20.80	21.50
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	20.76	20.83	20.73	21.50
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	20.79	20.77	20.77	21.50
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	20.83	20.77	20.76	21.50
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	20.79	20.78	20.70	21.50
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	20.75	20.88	20.70	21.50
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	20.74	20.74	20.67	21.50
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	20.79	20.77	20.78	21.50
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	20.80	20.78	20.72	21.50

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	24.01	24.01	24.50	24.50
100		1	137	24.00	24.00	24.50	24.50
100		1	271	23.87	23.87	24.50	24.50
100		135	0	23.82	23.82	24.50	24.50
100		135	69	23.93	23.93	24.50	24.50
100		135	138	23.86	23.86	24.50	24.50
100		270	0	23.97	23.97	24.50	24.50
100		1	1	23.97	23.97	24.50	24.50
100		1	137	23.90	23.90	24.50	24.50
100		1	271	23.90	23.90	24.50	24.50
100	QPSK	135	0	23.85	23.85	24.50	24.50
100		135	69	23.78	23.78	24.50	24.50
100		135	138	23.80	23.80	24.50	24.50
100		270	0	23.84	23.84	24.50	24.50
100	16QAM	1	1	23.75	23.75	24.50	24.50
100	64QAM	1	1	23.80	23.80	24.50	24.50
100	256QAM	1	1	22.37	22.37	24.00	24.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	23.89	23.97	23.84	24.50
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	23.74	23.83	23.74	24.50
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	23.79	23.95	23.72	24.50
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	23.74	23.89	23.73	24.50
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	23.75	23.82	23.79	24.50
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	23.75	23.94	23.74	24.50
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	23.79	23.90	23.80	24.50
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	23.74	23.92	23.76	24.50
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	23.78	23.87	23.75	24.50
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	23.79	23.87	23.77	24.50
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	23.79	23.84	23.71	24.50

<FR1 n78 (270, Ant 5, DSI 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)				3750			
100	Pi/2 BPSK	1	1	21.20			21.50
100		1	137	21.03			21.50
100		1	271	21.19			21.50
100		135	0	20.97			21.50
100		135	69	21.10			21.50
100		135	138	21.04			21.50
100		270	0	21.09			21.50
100		1	1	21.13			21.50
100		1	137	21.16			21.50
100		1	271	21.12			21.50
100	QPSK	135	0	21.07			21.50
100		135	69	20.98			21.50
100		135	138	21.16			21.50
100		270	0	20.99			21.50
100	16QAM	1	1	21.00			21.50
100	64QAM	1	1	20.99			21.50
100	256QAM	1	1	18.86			19.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	21.09	21.13	21.11	21.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	21.07	21.08	21.06	21.50
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	21.04	21.11	21.07	21.50
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	21.03	20.98	21.08	21.50
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	20.95	21.10	21.02	21.50
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	21.06	21.05	21.08	21.50
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	21.00	21.02	21.03	21.50
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	21.01	20.98	21.04	21.50
Channel				647000	650000	652998	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	21.00	20.99	20.99	21.50
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	21.08	21.11	21.02	21.50
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	21.05	21.01	21.00	21.50

<FR1 n78 (270, HPUE, Ant 5, DSI 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)				3750			
100	Pi/2 BPSK	1	1	24.15			24.50
100		1	137	23.95			24.50
100		1	271	24.07			24.50
100		135	0	24.02			24.50
100		135	69	24.04			24.50
100		135	138	23.93			24.50
100		270	0	23.96			24.50
100		1	1	24.04			24.50
100		1	137	24.05			24.50
100		1	271	24.13			24.50
100	QPSK	135	0	24.02			24.50
100		135	69	24.01			24.50
100		135	138	24.04			24.50
100		270	0	24.01			24.50
100	16QAM	1	1	24.04			24.50
100	64QAM	1	1	23.94			24.50
100	256QAM	1	1	22.06			23.00
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	24.03	24.10	24.01	24.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	23.94	24.03	23.97	24.50
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	24.01	24.05	23.87	24.50
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	23.97	24.09	23.89	24.50
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	23.90	24.08	23.89	24.50
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	23.95	23.98	24.00	24.50
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	23.92	23.98	23.97	24.50
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	23.90	24.04	23.86	24.50
Channel				647000	650000	652998	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	23.97	23.96	23.87	24.50
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	23.93	23.96	23.94	24.50
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	23.99	24.05	23.97	24.50

<FR1 n77 (27Q) Ant 4_DSI 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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	17.13			18.30
100		1	137	17.08			18.30
100		1	271	16.98			18.30
100		135	0	17.01			18.30
100		135	69	17.03			18.30
100	QPSK	135	138	16.96			18.30
100		270	0	16.96			18.30
100		1	1	17.00			18.30
100		1	137	16.98			18.30
100		1	271	17.08			18.30
100	16QAM	135	0	17.00			18.30
100		135	69	16.94			18.30
100		135	138	17.00			18.30
100		270	0	17.09			18.30
100		1	1	16.95			18.30
100	64QAM	1	1	16.97			18.30
100	256QAM	1	1	17.05			18.30
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	17.00	17.11	17.10	18.30
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	16.93	17.04	17.04	18.30
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	17.06	17.03	17.05	18.30
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	16.96	17.03	17.02	18.30
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	16.97	17.02	17.07	18.30
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	16.95	17.04	17.02	18.30
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	16.96	17.07	17.08	18.30
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	16.96	17.05	17.07	18.30
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	16.96	17.03	17.00	18.30
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	17.05	16.97	16.96	18.30
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	17.01	17.03	16.97	18.30

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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				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
100	PI2 BPSK	1	1	20.06			21.30
100		1	137	20.04			21.30
100		1	271	19.90			21.30
100		135	0	20.04			21.30
100		135	69	20.05			21.30
100	QPSK	135	138	19.91			21.30
100		270	0	20.03			21.30
100		1	1	20.01			21.30
100		1	137	19.98			21.30
100		1	271	19.92			21.30
100	16QAM	135	0	19.91			21.30
100		135	69	19.93			21.30
100		135	138	19.92			21.30
100		270	0	19.96			21.30
100		1	1	19.97			21.30
100	64QAM	1	1	19.95			21.30
100	256QAM	1	1	20.01			21.30
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	19.98	20.01	19.98	21.30
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	19.84	19.99	19.92	21.30
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	19.62	19.94	19.90	21.30
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	19.89	20.00	19.86	21.30
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	19.90	19.86	19.87	21.30
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	19.90	19.97	19.93	21.30
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	19.94	19.95	19.88	21.30
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	19.85	19.90	19.96	21.30
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	19.90	19.93	19.94	21.30
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	19.89	20.00	19.85	21.30
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	19.87	19.88	19.91	21.30

<FR1 n77 (270)_Ant 4_DSI 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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	17.13	17.09	17.23	18.30
100		1	137	16.73	16.62	16.90	18.30
100		1	271	16.73	16.67	16.90	18.30
100		135	0	16.81	16.78	17.00	18.30
100		135	69	16.83	16.87	17.18	18.30
100		135	138	16.79	16.79	17.10	18.30
100		270	0	16.71	16.79	16.95	18.30
100		1	1	16.88	16.96	17.13	18.30
100		1	137	16.64	16.67	16.85	18.30
100		1	271	16.94	17.03	17.16	18.30
100	QPSK	135	0	16.80	16.57	16.81	18.30
100		135	69	16.89	16.95	17.21	18.30
100		135	138	16.89	16.85	16.83	18.30
100		270	0	17.05	16.95	17.16	18.30
100	16QAM	1	1	16.74	16.68	16.93	18.30
100	64QAM	1	1	16.98	16.88	17.13	18.30
100	256QAM	1	1	16.72	16.68	16.92	18.30
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	17.05	17.17	17.07	18.30
Channel				649334	653334	661334	662006
Frequency (MHz)				3740.01	3830.01	3920.01	3936.99
80	P1/2 BPSK	1	1	17.00	17.00	17.15	18.30
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	17.07	17.01	17.13	18.30
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	P1/2 BPSK	1	1	17.02	17.02	17.17	18.30
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	16.99	17.04	17.11	18.30
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	17.02	17.07	17.13	18.30
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	17.10	16.98	17.12	18.30
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	17.11	17.06	17.12	18.30
Channel				647284	654284	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	17.07	16.97	17.11	18.30
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	17.07	16.99	17.13	18.30
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	17.08	17.02	17.19	18.30

<FR1 n77 (270)_HPUE_Ant 4_DSI 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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	19.96	19.97	20.01	19.84
100		1	137	19.65	19.81	19.74	19.51
100		1	271	19.67	19.76	19.79	19.69
100		135	0	19.80	19.73	19.79	19.55
100		135	69	19.81	19.84	19.90	19.66
100		135	138	19.76	19.76	19.76	19.58
100		270	0	19.67	19.79	19.80	19.68
100		1	1	19.71	19.75	19.88	19.74
100		1	137	19.68	19.76	19.88	19.78
100		1	271	19.67	19.78	19.88	19.75
100	QPSK	135	0	19.67	19.83	19.89	19.78
100		135	69	19.75	19.83	19.79	19.55
100		135	138	19.76	19.77	19.87	19.64
100		270	0	19.85	19.77	19.87	19.64
100	16QAM	1	1	19.81	19.79	19.90	19.78
100	64QAM	1	1	19.80	19.87	19.89	19.76
100	256QAM	1	1	19.74	19.83	19.76	19.58
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	19.82	19.88	19.87	19.81
Channel				649334	653334	661334	662006
Frequency (MHz)				3740.01	3830.01	3920.01	3936.99
80	P1/2 BPSK	1	1	19.87	19.88	19.99	19.79
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	19.81	19.86	19.96	19.80
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	P1/2 BPSK	1	1	19.85	19.92	19.96	19.81
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	19.92	19.91	19.92	19.80
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	19.81	19.90	19.99	19.79
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	19.84	19.93	19.98	19.79
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	19.83	19.82	19.94	19.77
Channel				647284	654284	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	19.86	19.90	20.00	19.79
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	19.81	19.86	19.96	19.82
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	19.93	19.88	19.97	19.74

<FR1 n78 (27Q) Ant 4_DSI 2>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit	
Channel					633332			
Frequency (MHz)					3499.98			
100	Pi/2 BPSK	1	1		17.13		18.30	
100		1	137		17.08		18.30	
100		1	271		16.98		18.30	
100		135	0		17.01		18.30	
100		135	69		17.03		18.30	
100		135	138		16.96		18.30	
100	QPSK	270	0		16.96		18.30	
100		1	1		17.00		18.30	
100		1	137		16.98		18.30	
100		1	271		17.08		18.30	
100		135	0		17.00		18.30	
100		135	69		16.94		18.30	
100	16QAM	135	138		17.00		18.30	
100		270	0		17.09		18.30	
100		1	1		16.95		18.30	
100		1	1		16.97		18.30	
100		1	1		17.05		18.30	
Channel				633000	633332	633666	Tune-up Limit	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	
90	Pi/2 BPSK	1	1		17.06	17.01	18.30	
Channel				632668	633332	634000	Tune-up Limit	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	
80	Pi/2 BPSK	1	1		16.97	16.98	18.30	
Channel				632334	633332	634332	Tune-up Limit	
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	
70	Pi/2 BPSK	1	1		17.00	17.01	18.30	
Channel				632000	633332	634666	Tune-up Limit	
Frequency (MHz)				3480	3499.98	3516.99	(dBm)	
60	Pi/2 BPSK	1	1		16.94	17.02	18.30	
Channel				631668	633332	635000	Tune-up Limit	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	
50	Pi/2 BPSK	1	1		16.97	17.04	18.30	
Channel				631334	633332	635332	Tune-up Limit	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	
40	Pi/2 BPSK	1	1		17.00	16.97	18.30	
Channel				631000	633332	635666	Tune-up Limit	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	
30	Pi/2 BPSK	1	1		17.03	16.96	18.30	
Channel				630834	633332	635832	Tune-up Limit	
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	
25	Pi/2 BPSK	1	1		17.00	17.00	18.30	
Channel				630668	633332	636000	Tune-up Limit	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	
20	Pi/2 BPSK	1	1		16.99	16.98	18.30	
Channel				630500	633332	636166	Tune-up Limit	
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	
15	Pi/2 BPSK	1	1		17.01	16.97	18.30	
Channel				630334	633332	636332	Tune-up Limit	
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	
10	Pi/2 BPSK	1	1		16.94	17.05	18.30	

<FR1 n78 (27Q) HPUE Ant 4_DSI 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)					633332	3499.98	
100	Pi/2 BPSK	1	1		19.97		21.30
100		1	137		19.83		21.30
100		1	271		19.73		21.30
100		135	0		19.91		21.30
100		135	69		19.96		21.30
100		135	138		19.77		21.30
100	QPSK	270	0		19.90		21.30
100		1	1		19.86		21.30
100		1	137		19.83		21.30
100		1	271		19.83		21.30
100		135	0		19.74		21.30
100		135	69		19.80		21.30
100	16QAM	135	138		19.85		21.30
100		270	0		19.83		21.30
100		1	1		19.91		21.30
100	64QAM	1	1		19.83		21.30
100		256QAM	1	1		19.90	
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1		19.86	19.82	21.30
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1		19.83	19.87	21.30
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		19.73	19.82	21.30
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3516.99	
60	Pi/2 BPSK	1	1		19.74	19.82	21.30
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		19.75	19.90	21.30
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		19.83	19.90	21.30
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		19.71	19.77	21.30
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1		19.73	19.87	21.30
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		19.85	19.87	21.30
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		19.83	19.81	21.30
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		19.84	19.88	21.30

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	17.10			18.30
100		1	137	16.74			18.30
100		1	271	16.82			18.30
100		135	0	16.85			18.30
100		135	69	17.04			18.30
100		135	138	16.94			18.30
100		270	0	16.91			18.30
100		1	1	17.07			18.30
100		1	137	16.75			18.30
100		1	271	17.06			18.30
100	QPSK	135	0	16.87			18.30
100		135	69	17.07			18.30
100		135	138	16.82			18.30
100		270	0	17.05			18.30
100	16QAM	1	1	16.76			18.30
100	64QAM	1	1	17.05			18.30
100	256QAM	1	1	16.83			18.30
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	17.02	17.05	17.97	18.30
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	16.98	16.95	16.93	18.30
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	16.89	16.93	16.95	18.30
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	17.00	17.01	16.93	18.30
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	16.97	16.97	16.91	18.30
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	16.94	16.95	16.92	18.30
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	16.99	16.95	16.93	18.30
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	17.00	16.94	16.90	18.30
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3780.99	
20	Pi/2 BPSK	1	1	16.93	16.99	16.90	18.30
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	16.95	16.98	16.93	18.30
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	17.00	17.03	16.83	18.30

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1		19.94		21.30
100		1	137		19.57		21.30
100		1	271		19.70		21.30
100		135	0		19.69		21.30
100		135	69		19.84		21.30
100		135	138		19.59		21.30
100		270	0		19.66		21.30
100		1	1		19.73		21.30
100		1	137		19.77		21.30
100		1	271		19.77		21.30
100	QPSK	135	0		19.82		21.30
100		135	69		19.72		21.30
100		135	138		19.76		21.30
100		270	0		19.69		21.30
100	16QAM	1	1		19.84		21.30
100	64QAM	1	1		19.84		21.30
100	256QAM	1	1		19.73		21.30
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.93	19.92	19.92	21.30
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.73	19.81	19.82	21.30
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.70	19.89	19.81	21.30
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	19.76	19.77	19.76	21.30
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.69	19.91	19.86	21.30
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	19.72	19.84	19.85	21.30
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.74	19.79	19.83	21.30
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.81	19.79	19.77	21.30
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3780.99	
20	Pi/2 BPSK	1	1	19.70	19.89	19.77	21.30
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.81	19.79	19.77	21.30
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.69	19.80	19.76	21.30

<FR1 n77 (27Q) Ant 8_DSI 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				633300	633332			
Frequency (MHz)				3499.98				
100	PI2 BPSK	1	1		23.78		24.00	
100		1	137		23.32		24.00	
100		1	271		23.03		24.00	
100		135	0		23.02		23.50	
100		135	69		23.43		24.00	
100		135	138		22.73		23.50	
100	QPSK	270	0		22.86		23.50	
100		1	1		23.77		24.00	
100		1	137		23.35		24.00	
100		1	271		23.07		24.00	
100		135	0		22.81		23.00	
100		135	69		23.38		24.00	
100	16QAM	135	138		22.19		23.00	
100		270	0		22.35		23.00	
100	64QAM	1	1		22.84		23.00	
100	256QAM	1	1		21.19		21.50	
100					19.17		19.50	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI2 BPSK	1	1		23.70	23.72	24.00	
Channel				632666	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI2 BPSK	1	1		23.60	23.65	23.69	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI2 BPSK	1	1		23.67	23.61	23.59	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI2 BPSK	1	1		23.56	23.74	23.87	24.00
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI2 BPSK	1	1		23.57	23.68	23.63	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3528.98		
40	PI2 BPSK	1	1		23.67	23.72	23.60	24.00
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI2 BPSK	1	1		23.67	23.63	23.62	24.00
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI2 BPSK	1	1		23.65	23.66	23.71	24.00
Channel				630666	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI2 BPSK	1	1		23.63	23.69	23.69	24.00
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI2 BPSK	1	1		23.56	23.65	23.60	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI2 BPSK	1	1		23.66	23.69	23.69	24.00

<FR1 n77 (27Q) HPUE_Ant 8_DSI 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				633300	633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		26.84		27.00	
100		1	137		26.52		27.00	
100		1	271		26.18		27.00	
100		135	0		26.74		27.00	
100		135	69		26.78		27.00	
100		135	138		26.45		27.00	
100	QPSK	270	0		26.61		27.00	
100		1	1		26.81		27.00	
100		1	137		26.50		27.00	
100		1	271		26.14		27.00	
100		135	0		26.70		27.00	
100		135	69		26.60		27.00	
100	16QAM	135	138		26.46		27.00	
100		270	0		26.81		27.00	
100	64QAM	1	1		26.76		27.00	
100	256QAM	1	1		25.00		26.00	
100					22.78		24.00	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1		26.76	26.83	26.78	27.00
Channel				632666	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1		26.67	26.73	26.70	27.00
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1		26.69	26.73	26.67	27.00
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1		26.71	26.79	26.68	27.00
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1		26.70	26.79	26.73	27.00
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3528.98		
40	PI/2 BPSK	1	1		26.74	26.82	26.77	27.00
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1		26.70	26.71	26.63	27.00
Channel				630834	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	PI/2 BPSK	1	1		26.75	26.75	26.68	27.00
Channel				630666	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1		26.69	26.77	26.75	27.00
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	PI/2 BPSK	1	1		26.71	26.75	26.64	27.00
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	PI/2 BPSK	1	1		26.69	26.72	26.67	27.00

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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				65666	66134	66500	
Frequency (MHz)				3750	3835.02	3920.01	
100	P1/2 BPSK	1	1	23.93	23.88	23.95	24.00
100		1	137	23.73	23.65	23.76	24.00
100		1	271	23.79	23.68	23.86	24.00
100		135	0	22.90	22.86	23.05	23.50
100		135	69	23.78	23.72	23.89	24.00
100		135	138	23.76	23.26	23.30	23.50
100		270	0	23.05	22.93	23.13	22.50
100		1	1	23.30	23.26	23.46	24.00
100		1	137	23.66	23.61	23.77	24.00
100		1	271	23.76	23.66	23.86	24.00
100	QPSK	135	0	22.39	22.29	22.47	23.00
100		135	69	23.69	23.61	23.82	24.00
100		135	138	22.73	22.70	22.82	23.00
100		270	0	22.62	22.50	22.66	23.00
100	16QAM	1	1	22.27	22.12	22.33	23.00
100	64QAM	1	1	20.76	20.71	20.80	21.50
100	256QAM	1	1	18.94	18.86	18.97	19.50
Channel				64968	65500	66134	
Frequency (MHz)				3745.62	3832.5	3934.98	
90	P1/2 BPSK	1	1	23.80	23.86	23.87	24.00
Channel				64834	65334	66134	
Frequency (MHz)				3740.01	3830.01	3939.99	
80	P1/2 BPSK	1	1	23.85	23.75	23.84	24.00
Channel				64900	656168	66134	
Frequency (MHz)				3735	3827.52	3920.01	
70	P1/2 BPSK	1	1	23.88	23.81	23.85	24.00
Channel				64868	65500	66134	
Frequency (MHz)				3730.02	3825	3920.01	
60	P1/2 BPSK	1	1	23.83	23.85	23.82	24.00
Channel				64834	654834	66134	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P1/2 BPSK	1	1	23.84	23.75	23.86	24.00
Channel				64800	654688	66134	
Frequency (MHz)				3725	3820.02	3920.01	
40	P1/2 BPSK	1	1	23.86	23.78	23.93	24.00
Channel				64768	654500	66134	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P1/2 BPSK	1	1	23.81	23.81	23.85	24.00
Channel				647500	654418	66134	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P1/2 BPSK	1	1	23.91	23.78	23.87	24.00
Channel				64734	654334	66134	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P1/2 BPSK	1	1	23.84	23.84	23.84	24.00
Channel				647168	654250	66134	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P1/2 BPSK	1	1	23.83	23.84	23.89	24.00
Channel				647080	654168	66134	
Frequency (MHz)				3705	3812.52	3920.01	
10	P1/2 BPSK	1	1	23.87	23.75	23.87	24.00

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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				65666	66134	66500	
Frequency (MHz)				3750	3835.02	3920.01	
100	P1/2 BPSK	1	1	26.37	26.53	26.55	27.00
100		1	137	26.18	26.39	26.50	27.00
100		1	271	26.19	26.35	26.43	27.00
100		135	0	25.67	25.83	25.95	26.50
100		135	69	26.29	26.45	26.54	27.00
100		135	138	25.17	25.33	25.46	26.50
100		270	0	25.78	26.01	26.09	25.86
100		1	1	26.15	26.36	26.41	27.00
100		1	137	26.05	26.21	26.37	27.00
100		1	271	26.09	26.28	26.41	27.00
100	QPSK	135	0	25.29	25.43	25.56	26.00
100		135	69	26.07	26.23	26.38	27.00
100		135	138	25.22	25.38	25.46	26.00
100		270	0	25.46	25.55	25.66	26.00
100	16QAM	1	1	25.23	25.46	25.49	26.00
100	64QAM	1	1	23.98	24.09	24.20	23.98
100	256QAM	1	1	22.04	22.12	22.21	22.50
Channel				64968	65500	66134	
Frequency (MHz)				3745.62	3832.5	3934.98	
90	P1/2 BPSK	1	1	26.35	26.48	26.43	27.00
Channel				64834	65334	66134	
Frequency (MHz)				3740.01	3830.01	3939.99	
80	P1/2 BPSK	1	1	26.26	26.46	26.53	27.00
Channel				64900	656168	66134	
Frequency (MHz)				3735	3827.52	3920.01	
70	P1/2 BPSK	1	1	26.25	26.41	26.44	27.00
Channel				64868	65500	66134	
Frequency (MHz)				3730.02	3825	3920.01	
60	P1/2 BPSK	1	1	26.26	26.48	26.46	27.00
Channel				64834	654834	66134	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P1/2 BPSK	1	1	26.30	26.43	26.47	27.00
Channel				64800	654688	66134	
Frequency (MHz)				3725	3820.02	3920.01	
40	P1/2 BPSK	1	1	26.31	26.43	26.49	27.00
Channel				64768	654500	66134	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P1/2 BPSK	1	1	26.22	26.40	26.47	27.00
Channel				647500	654418	66134	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P1/2 BPSK	1	1	26.26	26.42	26.52	27.00
Channel				64734	654334	66134	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P1/2 BPSK	1	1	26.28	26.45	26.53	27.00
Channel				647168	654250	66134	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P1/2 BPSK	1	1	26.31	26.47	26.49	27.00
Channel				647080	654168	66134	
Frequency (MHz)				3705	3812.52	3920.01	
10	P1/2 BPSK	1	1	26.26	26.47	26.45	27.00

<FR1 n78 (27Q, Ant 8, DSI 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	Pi/2 BPSK	1	1	23.65	23.65	24.00	24.00
100		1	137	23.25	23.25	24.00	24.00
100		1	271	23.00	23.00	24.00	24.00
100		135	0	22.87	22.87	23.50	23.50
100		135	69	23.40	23.40	24.00	24.00
100		135	138	22.69	22.69	23.50	23.50
100	QPSK	1	0	22.77	22.77	23.50	23.50
100		1	1	23.63	23.63	24.00	24.00
100		1	137	23.24	23.24	24.00	24.00
100		1	271	22.92	22.92	24.00	24.00
100		135	0	22.49	22.49	23.00	23.00
100		135	69	23.23	23.23	24.00	24.00
100	16QAM	1	138	22.11	22.11	23.00	23.00
100		270	0	22.30	22.30	23.00	23.00
100	16QAM	1	1	22.81	22.81	23.00	23.00
100	64QAM	1	1	21.07	21.07	21.50	21.50
100	256QAM	1	1	19.04	19.04	19.50	19.50
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	23.89	23.89	23.58	24.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	23.55	23.55	23.41	24.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	23.58	23.49	23.42	24.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	23.58	23.54	23.53	24.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	23.58	23.59	23.54	24.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	23.49	23.60	23.42	24.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	23.50	23.56	23.51	24.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	23.49	23.60	23.45	24.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	23.58	23.56	23.44	24.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	23.56	23.48	23.43	24.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	23.48	23.61	23.48	24.00

<FR1 n78 (27Q, HPUE, Ant 8, DSI 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	Pi/2 BPSK	1	1	26.75	26.75	27.00	27.00
100		1	137	26.48	26.48	27.00	27.00
100		1	271	26.02	26.02	27.00	27.00
100		135	0	26.46	26.46	27.00	27.00
100		135	69	26.69	26.69	27.00	27.00
100		135	138	26.36	26.36	27.00	27.00
100	QPSK	1	0	26.55	26.55	27.00	27.00
100		1	1	26.98	26.98	27.00	27.00
100		1	137	26.44	26.44	27.00	27.00
100		1	271	26.00	26.00	27.00	27.00
100		135	0	26.80	26.80	27.00	27.00
100		135	69	26.46	26.46	27.00	27.00
100	16QAM	1	138	26.36	26.36	27.00	27.00
100		270	0	26.49	26.49	27.00	27.00
100	16QAM	1	1	26.85	26.85	27.00	27.00
100	64QAM	1	1	24.85	24.85	26.00	26.00
100	256QAM	1	1	22.71	22.71	24.00	24.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	26.80	26.83	26.82	27.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	26.48	26.50	26.55	27.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	26.56	26.48	26.58	27.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	26.47	26.51	26.60	27.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	26.52	26.57	26.54	27.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	26.47	26.60	26.55	27.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	26.58	26.60	26.60	27.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	26.49	26.57	26.61	27.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	26.57	26.51	26.51	27.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	26.54	26.56	26.54	27.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	26.58	26.49	26.55	27.00

<FR1 n78 (270) Ant 8_DSI 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				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	23.82			24.00
100		1	137	23.48			24.00
100		1	271	23.85			24.00
100		135	0	22.96			23.50
100		135	69	23.73			24.00
100		135	138	23.23			23.50
100		270	0	22.87			23.50
100		1	1	23.31			24.00
100		1	137	23.42			24.00
100		1	271	23.84			24.00
QPSK							
100	QPSK	135	0	22.23			23.00
100		135	69	23.58			24.00
100		135	138	22.66			23.00
100		270	0	22.55			23.00
100	16QAM	1	1	22.05			23.00
100	64QAM	1	1	20.54			21.50
100	256QAM	1	1	18.67			19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	23.73	23.78	23.76	24.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	23.66	23.74	23.73	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	23.60	23.67	23.73	24.00
Channel				648666	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	23.64	23.74	23.84	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	23.72	23.66	23.70	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	23.70	23.76	23.82	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	23.63	23.74	23.72	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	23.59	23.67	23.68	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	23.69	23.67	23.70	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	23.66	23.68	23.66	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	23.58	23.77	23.75	24.00

<FR1 n78 (270) HPUE Ant 8_DSI 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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.42		27.00
100		1	137		26.33		27.00
100		1	271		26.34		27.00
100		135	0		25.92		26.50
100		135	69		26.37		27.00
100		135	138		25.43		26.50
100		270	0		26.01		26.50
100		1	1		26.32		27.00
100		1	137		26.29		27.00
100		1	271		26.30		27.00
QPSK							
100	QPSK	135	0		25.49		26.00
100		135	69		26.21		27.00
100		135	138		25.33		26.00
100		270	0		25.52		26.00
100	16QAM	1	1		25.39		26.00
100	64QAM	1	1		24.10		24.50
100	256QAM	1	1		22.14		22.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	26.32	26.36	26.30	27.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	26.25	26.33	26.26	27.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	26.17	26.22	26.28	27.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	26.30	26.33	26.18	27.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	26.17	26.28	26.19	27.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	26.28	26.32	26.16	27.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	26.19	26.29	26.21	27.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	26.21	26.28	26.25	27.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	26.23	26.26	26.19	27.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	26.23	26.24	26.17	27.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	26.31	26.26	26.21	27.00

<FR1 n14_Ant 0_DSI 2>

Table 1: RB Allocation for 5 MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1	20.07		21.00	
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

<FR1 n14_HPUE_Ant 0_DSI 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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.32		27.00
10		1	26		26.26		27.00
10		1	50		26.13		27.00
10		25	0		25.77		26.50
10		25	14		26.26		27.00
10		25	27		25.72		26.50
10		50	0		25.78		26.50
10		1	1		26.22		27.00
10	QPSK	1	26		26.19		27.00
10		1	50		26.23		27.00
10		25	0		25.19		26.00
10		25	14		26.17		27.00
10		25	27		25.21		26.00
10		50	0		25.04		26.00
10		16QAM	1	1	25.07		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.21	26.25	26.23	27.00

<FR1 n71_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.41		24.00
35		1	90		23.25		24.00
35		1	186		23.22		24.00
35		90	0		23.38		24.00
35		90	45		23.39		24.00
35		90	90		23.35		24.00
35		180	0		23.33		24.00
35		1	1		23.24		24.00
35	QPSK	1	90		23.16		24.00
35		1	186		23.22		24.00
35		90	0		23.26		24.00
35		90	45		23.29		24.00
35		90	90		23.24		24.00
35		180	0		23.39		24.00
35		16QAM	1	1	23.15		24.00
35		64QAM	1	1	22.21		23.00
35	256QAM	1	1		20.27		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.31	23.36	23.33	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.17	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.23	23.25	23.25	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.25	23.34	23.24	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.24	23.20	23.25	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.20	23.29	23.26	24.00

<FR1 n71_HPUE_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		26.37		27.00
35		1	90		26.28		27.00
35		1	186		26.24		27.00
35		90	0		25.92		26.50
35		90	45		26.35		27.00
35		90	90		25.84		26.50
35		180	0		25.92		26.50
35		1	1		26.31		27.00
35	QPSK	1	90		26.29		27.00
35		1	186		26.27		27.00
35		90	0		25.36		26.00
35		90	45		26.26		27.00
35		90	90		25.26		26.00
35		180	0		25.17		26.00
35		16QAM	1	1	25.29		26.00
35		64QAM	1	1	23.70		24.50
35	256QAM	1	1		21.67		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.31	26.36	26.28	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.29	26.23	26.25	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.19	26.24	26.17	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.19	26.20	26.16	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.18	26.32	26.21	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.18	26.24	26.16	27.00

<FR1 n30_Ant 2_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.96		22.60
10		1	26		20.86		22.60
10		1	50		20.83		22.60
10		25	0		20.85		22.60
10		25	14		20.90		22.60
10		25	27		20.83		22.60
10		50	0		20.84		22.60
10		1	1		20.88		22.60
10		1	26		20.88		22.60
10		1	50		20.89		22.60
10	QPSK	1	0		20.90		22.60
10		25	0		20.83		22.60
10		25	14		20.83		22.60
10		25	27		20.90		22.60
10		50	0		20.90		22.60
10		16QAM	1	1	20.83		22.60
10	64QAM	1	1		20.82		22.60
10	256QAM	1	1		20.30		21.00
Channel				461500	462000	462500	Tune-up Limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	PI/2 BPSK	1	1	20.91	20.93	20.85	22.60

<FR1 n14_Ant 1_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.37		24.00
10		1	26		23.30		24.00
10		1	50		23.26		24.00
10		25	0		23.30		24.00
10		25	14		23.35		24.00
10		25	27		23.23		24.00
10	QPSK	50	0		23.29		24.00
10		1	1		23.24		24.00
10		1	26		23.29		24.00
10		1	50		23.12		24.00
10		25	0		23.23		24.00
10		25	14		23.36		24.00
10	16QAM	25	27		23.30		24.00
10		50	0		23.23		24.00
10		1	1		23.22		24.00
10	64QAM	1	1		22.22		23.00
10	256QAM	1	1		20.16		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.31	23.35	23.32	24.00

<FR1 n14_HPUE_Ant 1_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		24.28		25.50
10		1	26		24.25		25.50
10		1	50		24.15		25.50
10		25	0		24.20		25.50
10		25	14		24.25		25.50
10		25	27		24.16		25.50
10	QPSK	50	0		24.24		25.50
10		1	1		24.18		25.50
10		1	26		24.17		25.50
10		1	50		24.16		25.50
10		25	0		24.23		25.50
10		25	14		24.14		25.50
10	16QAM	25	27		24.27		25.50
10		50	0		24.24		25.50
10		1	1		24.19		25.50
10	64QAM	1	1		23.74		24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	24.23	24.26	24.25	25.50

<FR1 n30_Ant 1_DSI 7>

FRT-130-AR1-1-DS1-1-2								
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)						2310		
10	Pi/2 BPSK	1	1			19.48		21.20
10		1	26			19.38		21.20
10		1	50			19.34		21.20
10		25	0			19.29		21.20
10		25	14			19.41		21.20
10		25	27			19.37		21.20
10		50	0			19.31		21.20
10		1	1			19.40		21.20
10		1	26			19.41		21.20
10		1	50			19.33		21.20
10	QPSK	25	0			19.36		21.20
10		25	14			19.39		21.20
10		25	27			19.34		21.20
10		50	0			19.29		21.20
10		16QAM	1	1		19.33		21.20
10		64QAM	1	1		19.35		21.20
10	256QAM	1	1		19.46		21.20	
Channel					461500	462000	462500	Tune-up Limit
Frequency (MHz)					2307.5	2310	2312.5	(dBm)
5	Pi/2 BPSK	1	1	19.42	19.43	19.35	21.20	

<FR1 n71_Ant 1_DSI 7>

PR1 (7) - PR1 - US1 (7)				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
BW [MHz]	Modulation	RB Size	RB Offset					
Channel					136100			
Frequency (MHz)					680.5			
35	Pi/2 BPSK	1	1		23.33		24.00	
35		1	90		23.22		24.00	
35		1	186		22.88		24.00	
35		90	0		23.21		24.00	
35		90	45		23.31		24.00	
35		90	90		23.17		24.00	
35		180	0		23.25		24.00	
35		1	1		23.16		24.00	
35		1	90		23.32		24.00	
35		1	186		23.10		24.00	
35	QPSK	90	0		23.26		24.00	
35		90	45		23.32		24.00	
35		90	90		23.29		24.00	
35		180	0		23.22		24.00	
35		16QAM	1	1		23.11		24.00
35		64QAM	1	1		22.09		23.00
35	256QAM	1	1		20.16		21.00	
Channel				135600	136100	136600	Tune-up Limit	
Frequency (MHz)				678	680.5	683	(dBm)	
30	Pi/2 BPSK	1	1	23.21	23.25	23.24	24.00	
Channel				135100	136100	137100	Tune-up Limit	
Frequency (MHz)				675.5	680.5	685.5	(dBm)	
25	Pi/2 BPSK	1	1	23.11	23.11	23.21	24.00	
Channel				134600	136100	137600	Tune-up Limit	
Frequency (MHz)				673	680.5	688	(dBm)	
20	Pi/2 BPSK	1	1	23.07	23.20	23.14	24.00	
Channel				134100	136100	138100	Tune-up Limit	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	
15	Pi/2 BPSK	1	1	23.09	23.12	23.14	24.00	
Channel				133600	136100	138600	Tune-up Limit	
Frequency (MHz)				668	680.5	693	(dBm)	
10	Pi/2 BPSK	1	1	23.16	23.12	23.17	24.00	
Channel				133100	136100	139100	Tune-up Limit	
Frequency (MHz)				665.5	680.5	695.5	(dBm)	
5	Pi/2 BPSK	1	1	23.18	23.24	23.18	24.00	

<FR1 n71_HPUE_Ant 1_DSI 7>

BW [MHz]	Modulation	RB Size		RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel						136100		
Frequency (MHz)						680.5		
35	Pi/2 BPSK	1	1			26.31		27.00
35		1	90			26.29		27.00
35		1	186			26.13		27.00
35		90	0			25.72		26.50
35		90	45			26.26		27.00
35		90	90			25.73		26.50
35		180	0			25.78		26.50
35		1	1			26.29		27.00
35	QPSK	1	90			26.19		27.00
35		1	186			26.23		27.00
35		90	0			25.16		26.00
35		90	45			26.22		27.00
35		90	90			25.17		26.00
35		180	0			25.07		26.00
35		16QAM	1	1			25.17	26.00
35		64QAM	1	1			23.65	24.50
35	256QAM	1	1			21.59	22.50	
Channel					135600	136100	136600	Tune-up Limit (dbm)
Frequency (MHz)					678	680.5	683	
30	Pi/2 BPSK	1	1		26.25	26.28	26.27	27.00
Channel					135100	136100	137100	Tune-up Limit (dbm)
Frequency (MHz)					675.5	680.5	685.5	
25	Pi/2 BPSK	1	1		26.18	26.20	26.20	27.00
Channel					134600	136100	137600	Tune-up Limit (dbm)
Frequency (MHz)					673	680.5	688	
20	Pi/2 BPSK	1	1		26.18	26.22	26.20	27.00
Channel					134100	136100	138100	Tune-up Limit (dbm)
Frequency (MHz)					670.5	680.5	690.5	
15	Pi/2 BPSK	1	1		26.17	26.15	26.23	27.00
Channel					133600	136100	138600	Tune-up Limit (dbm)
Frequency (MHz)					669	680.5	693	
10	Pi/2 BPSK	1	1		26.24	26.14	26.16	27.00
Channel					133100	136100	139100	Tune-up Limit (dbm)
Frequency (MHz)					665.5	680.5	695.5	
5	Pi/2 BPSK	1	1		26.16	26.15	26.15	27.00

<FR1 n2_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel				374000	376000	376000	
Frequency (MHz)				1670	1680	1690	
40	Pi/2 BPSK	1	1	19.25	19.40	19.36	20.00
40		1	108	19.14	19.38	19.19	20.00
40		1	214	19.24	19.26	19.31	20.00
40		108	0	19.03	19.16	19.04	20.00
40		108	54	19.24	19.25	19.15	20.00
40		108	108	19.14	19.23	19.09	20.00
40		216	0	19.17	19.27	19.10	20.00
40		1	1	19.26	19.35	19.12	20.00
40		1	108	19.25	19.18	19.08	20.00
40		1	214	19.13	19.32	19.11	20.00
40	QPSK	108	0	19.15	19.25	19.05	20.00
40		108	54	19.24	19.06	19.05	20.00
40		108	108	19.08	19.22	19.10	20.00
40		216	0	19.04	19.21	19.08	20.00
40	16QAM	1	1	19.08	19.23	19.09	20.00
40	64QAM	1	1	19.10	19.23	19.20	20.00
40	256QAM	1	1	18.16	18.23	18.07	19.00
Channel				373500	376000	378500	Tune-up Limit (dbm)
Frequency (MHz)				1867.5	1880	1892.5	
35	Pi/2 BPSK	1	1	19.21	19.33	19.27	20.00
Channel				373000	376000	379000	Tune-up Limit (dbm)
Frequency (MHz)				1865	1880	1895	
30	Pi/2 BPSK	1	1	19.13	19.38	19.33	20.00
Channel				372500	376000	379500	Tune-up Limit (dbm)
Frequency (MHz)				1862.5	1880	1897.5	
25	Pi/2 BPSK	1	1	19.12	19.38	19.27	20.00
Channel				372000	376000	380000	Tune-up Limit (dbm)
Frequency (MHz)				1860	1880	1900	
20	Pi/2 BPSK	1	1	19.23	19.36	19.27	20.00
Channel				371500	376000	380500	Tune-up Limit (dbm)
Frequency (MHz)				1857.5	1880	1902.5	
15	Pi/2 BPSK	1	1	19.12	19.33	19.32	20.00
Channel				371000	376000	381000	Tune-up Limit (dbm)
Frequency (MHz)				1855	1880	1905	
10	Pi/2 BPSK	1	1	19.14	19.38	19.22	20.00
Channel				370500	376000	381500	Tune-up Limit (dbm)
Frequency (MHz)				1852.5	1880	1907.5	
5	Pi/2 BPSK	1	1	19.18	19.34	19.21	20.00

<FR1 n25_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				374000	376500	379000		
Frequency (MHz)				1670	1682.5	1695		
40	Pi/2 BPSK	1	1	19.42	19.48	19.45	20.00	
40		1	108	19.25	19.45	19.24	20.00	
40		1	214	19.28	19.42	19.37	20.00	
40		108	0	19.19	19.34	19.13	20.00	
40		108	54	19.29	19.42	19.31	20.00	
40		108	108	19.23	19.38	19.17	20.00	
40		216	0	19.20	19.34	19.15	20.00	
40		1	1	19.29	19.42	19.28	20.00	
40		QPSK	1	108	19.30	19.35	19.19	20.00
40			1	214	19.29	19.36	19.19	20.00
40	108		0	19.21	19.27	19.14	20.00	
40	108		54	19.28	19.24	19.10	20.00	
40	108		108	19.19	19.28	19.27	20.00	
40	216		0	19.19	19.28	19.20	20.00	
40	16QAM	1	1	19.23	19.36	19.24	20.00	
40	64QAM	1	1	19.18	19.33	19.29	20.00	
40	256QAM	1	1	18.34	18.40	18.25	19.00	
Channel				373500	376500	379500	Tune-up Limit (dBm)	
Frequency (MHz)				1867.5	1882.5	1897.5		
35	Pi/2 BPSK	1	1	19.30	19.45	19.43	20.00	
Channel				373000	376500	380000	Tune-up Limit (dBm)	
Frequency (MHz)				1865	1882.5	1900		
30	Pi/2 BPSK	1	1	19.35	19.37	19.42	20.00	
Channel				372500	376500	380500	Tune-up Limit (dBm)	
Frequency (MHz)				1862.5	1882.5	1902.5		
25	Pi/2 BPSK	1	1	19.33	19.35	19.38	20.00	
Channel				372000	376500	381000	Tune-up Limit (dBm)	
Frequency (MHz)				1860	1882.5	1905		
20	Pi/2 BPSK	1	1	19.35	19.43	19.39	20.00	
Channel				371500	376500	381500	Tune-up Limit (dBm)	
Frequency (MHz)				1857.5	1882.5	1907.5		
15	Pi/2 BPSK	1	1	19.29	19.38	19.34	20.00	
Channel				371000	376500	382000	Tune-up Limit (dBm)	
Frequency (MHz)				1855	1882.5	1910		
10	Pi/2 BPSK	1	1	19.31	19.43	19.42	20.00	
Channel				370500	376500	382500	Tune-up Limit (dBm)	
Frequency (MHz)				1852.5	1882.5	1912.5		
5	Pi/2 BPSK	1	1	19.40	19.45	19.44	20.00	

<FR1 n30_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				461500	462000		
Frequency (MHz)				2310			
10	Pi/2 BPSK	1	1	19.10			20.80
10		1	26	19.04			20.80
10		1	50	18.97			20.80
10		25	0	19.01			20.80
10		25	14	19.08			20.80
10		25	27	18.98			20.80
10		50	0	19.00			20.80
10		1	1	19.06			20.80
10		1	26	18.98			20.80
10		1	50	19.08			20.80
10	QPSK	25	0	19.02			20.80
10		25	14	18.96			20.80
10		25	27	18.97			20.80
10		50	0	18.96			20.80
10		16QAM	1	1	18.99		20.80
10		64QAM	1	1	19.03		20.80
10	256QAM	1	1		18.67		20.30
Channel				461500	462000	462500	
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	19.01	19.03	18.92	20.80

<FR1 n66_Ant 6_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	Pi/2 BPSK	1	1	21.86	21.88	21.81	22.00	
45		1	120	21.72	21.78	21.62	22.00	
45		1	240	21.28	21.37	21.18	22.00	
45		120	0	21.52	21.62	21.40	22.00	
45		120	60	21.49	21.63	21.42	22.00	
45		120	120	21.48	21.60	21.39	22.00	
45		240	0	21.49	21.58	21.40	22.00	
45		1	1	21.70	21.79	21.66	22.00	
45		1	120	21.41	21.55	21.35	22.00	
45		1	240	21.28	21.32	21.16	22.00	
45	QPSK	120	0	21.55	21.63	21.47	22.00	
45		120	60	21.48	21.57	21.41	22.00	
45		120	120	21.55	21.61	21.39	22.00	
45		240	0	21.43	21.59	21.50	22.00	
45		16QAM	1	1	21.64	21.73	21.55	22.00
45		64QAM	1	1	20.62	20.70	20.60	21.00
45	256QAM	1	1	18.41	18.47	18.27	19.00	
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	21.74	21.79	21.74	22.00	
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	Pi/2 BPSK	1	1	21.73	21.76	21.68	22.00	
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	Pi/2 BPSK	1	1	21.75	21.78	21.80	22.00	
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	Pi/2 BPSK	1	1	21.72	21.76	21.66	22.00	
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	Pi/2 BPSK	1	1	21.73	21.87	21.70	22.00	
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	Pi/2 BPSK	1	1	21.79	21.78	21.75	22.00	
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	Pi/2 BPSK	1	1	21.77	21.84	21.70	22.00	
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	Pi/2 BPSK	1	1	21.79	21.83	21.70	22.00	

<FR1 n70_Ant 6_DSI 7>

PR170-A11 & DS173									
BW [MHz]	Modulation	RB Size		RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dbm)	
Channel					340000				
Frequency (MHz)						1702.5			
15	Pi/2 BPSK	1	1			20.29		21.00	
15		1	40			20.09		21.00	
15		1	77			20.22		21.00	
15		36	0			19.99		21.00	
15		36	22			20.26		21.00	
15		36	43			20.08		21.00	
15		75	0			20.06		21.00	
15		1	1			20.25		21.00	
15	QPSK	1	40			20.14		21.00	
15		1	77			20.21		21.00	
15		36	0			19.99		21.00	
15		36	22			20.22		21.00	
15		36	43			20.01		21.00	
15		75	0			19.96		21.00	
15		16QAM	1	1			20.10		21.00
15		64QAM	1	1			20.09		21.00
15	256QAM	1	1			18.48		19.50	
Channel					340000	340500	341000	Tune-up Limit (dbm)	
Frequency (MHz)					1700	1702.5	1705		
10	Pi/2 BPSK	1	1		20.17	20.25	20.20	21.00	
Channel					339500	340500	341500	Tune-up Limit (dbm)	
Frequency (MHz)					1697.5	1702.5	1707.5		
5	Pi/2 BPSK	1	1		20.04	20.18	20.14	21.00	

<FR1 n77 (27Q) Ant 7_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		19.38		21.10
100		1	137		19.31		21.10
100		1	271		19.30		21.10
100		135	0		19.34		21.10
100		135	69		19.36		21.10
100	QPSK	135	138		19.36		21.10
100		270	0		19.33		21.10
100		1	1		19.25		21.10
100		1	137		19.28		21.10
100		1	271		19.23		21.10
100	16QAM	135	0		19.28		21.10
100		135	69		19.32		21.10
100		135	138		19.36		21.10
100		270	0		19.23		21.10
100		1	1		19.37		21.10
100	64QAM	1	1		19.23		21.10
100	256QAM	1	1		18.70		19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3496	3499.98	3504.99	
90	PI/2 BPSK	1	1		19.32	19.30	21.10
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		19.25	19.24	19.18
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		19.19	19.20	19.27
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1		19.25	19.23	19.15
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		19.27	19.30	19.16
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3528.98	
40	PI/2 BPSK	1	1		19.20	19.31	19.16
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		19.23	19.32	19.21
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1		19.20	19.30	19.18
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		19.21	19.27	19.22
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		19.23	19.30	19.16
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		19.30	19.29	19.23

<FR1 n77 (27Q) HPUE_Ant 7_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		22.31		24.10
100		1	137		22.21		24.10
100		1	271		22.15		24.10
100		135	0		22.15		24.10
100		135	69		22.25		24.10
100	QPSK	135	138		22.15		24.10
100		270	0		22.18		24.10
100		1	1		22.20		24.10
100		1	137		22.17		24.10
100		1	271		22.11		24.10
100	16QAM	135	0		22.23		24.10
100		135	69		22.21		24.10
100		135	138		22.18		24.10
100		270	0		22.18		24.10
100		1	1		22.17		24.10
100	64QAM	1	1		22.20		24.10
100	256QAM	1	1		22.23		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3496	3499.98	3504.99	
90	PI/2 BPSK	1	1		22.23	22.20	24.10
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		22.11	22.21	22.14
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		22.16	22.19	22.14
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1		22.20	22.21	22.14
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		22.19	22.26	22.12
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3528.98	
40	PI/2 BPSK	1	1		22.19	22.23	22.15
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		22.15	22.16	22.13
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1		22.13	22.17	22.18
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		22.18	22.22	22.13
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		22.12	22.13	22.13
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		22.22	22.22	22.14

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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				655500	655550	661334	662000
Frequency (MHz)				3750	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	19.29	19.31	19.45	19.28
100		1	137	19.21	19.20	19.35	19.14
100		1	271	19.19	19.24	19.26	19.05
100		135	0	19.25	19.14	19.30	19.05
100		135	69	19.31	19.26	19.37	19.22
100		135	138	19.16	19.24	19.27	19.14
100		270	0	19.14	19.16	19.28	19.08
100		1	1	19.13	19.12	19.24	19.00
100		1	137	19.20	19.12	19.24	19.04
100		1	271	19.23	19.12	19.24	19.06
100	QPSK	135	0	19.16	19.11	19.21	18.97
100		135	69	19.13	19.10	19.22	19.01
100		135	138	19.21	19.13	19.26	19.06
100		270	0	19.22	19.23	19.27	19.13
100	16QAM	1	1	19.16	19.23	19.25	19.12
100	64QAM	1	1	19.29	19.26	19.44	19.23
100	256QAM	1	1	18.27	18.50	18.74	18.56
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	19.29	19.29	19.40	19.21
Channel				649334	653334	661334	662000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	19.28	19.29	19.41	19.21
Channel				649000	656168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	19.28	19.35	19.39	19.28
Channel				648996	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	P1/2 BPSK	1	1	19.33	19.25	19.42	19.30
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	19.35	19.36	19.32	19.22
Channel				648000	654668	661334	664000
Frequency (MHz)				3725	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	19.25	19.24	19.41	19.24
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	19.33	19.33	19.38	19.21
Channel				647500	654419	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	19.32	19.31	19.43	19.18
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	19.29	19.28	19.43	19.31
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	19.24	19.31	19.42	19.19
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	19.23	19.23	19.33	19.14

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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				655500	655550	661334	662000
Frequency (MHz)				3750	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	22.36	22.30	22.40	22.30
100		1	137	22.35	22.25	22.33	22.18
100		1	271	22.26	22.12	22.34	22.16
100		135	0	22.31	22.20	22.37	22.16
100		135	69	22.36	22.23	22.39	22.27
100		135	138	22.25	22.20	22.30	22.18
100		270	0	22.33	22.31	22.39	22.29
100		1	1	22.31	22.30	22.28	22.12
100		1	137	22.36	22.18	22.26	22.03
100		1	271	22.30	22.23	22.28	22.04
100	QPSK	135	0	22.39	22.29	22.35	22.22
100		135	69	22.24	22.30	22.32	22.16
100		135	138	22.27	22.26	22.30	22.15
100		270	0	22.28	22.23	22.30	22.14
100	16QAM	1	1	22.25	22.22	22.38	22.14
100	64QAM	1	1	22.34	22.29	22.37	22.16
100	256QAM	1	1	22.30	22.13	22.32	22.08
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	22.23	22.30	22.34	22.16
Channel				649334	653334	661334	662000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	22.24	22.29	22.38	22.25
Channel				649000	656168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	22.34	22.29	22.36	22.28
Channel				648996	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	P1/2 BPSK	1	1	22.34	22.32	22.29	22.21
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	22.28	22.28	22.30	22.22
Channel				648000	654668	661334	664000
Frequency (MHz)				3725	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	22.23	22.32	22.33	22.23
Channel				647668	654500	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	22.27	22.23	22.26	22.18
Channel				647500	654419	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	22.29	22.24	22.26	22.23
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	22.35	22.20	22.37	22.24
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	22.29	22.25	22.26	22.24
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	22.34	22.31	22.37	22.19

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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				633332				
Frequency (MHz)				3499.98				
100	Pi/2 BPSK	1	1	19.33			21.10	
100		1	137	19.24			21.10	
100		1	271	19.21			21.10	
100		135	0	19.22			21.10	
100		135	69	19.24			21.10	
100		135	138	19.18			21.10	
100	QPSK	270	0	19.21			21.10	
100		1	1	19.14			21.10	
100		1	137	19.25			21.10	
100		1	271	19.20			21.10	
100		135	0	19.21			21.10	
100		135	69	19.16			21.10	
100	16QAM	135	138	19.21			21.10	
100		270	0	19.15			21.10	
100		19QAM	1	1	19.23			21.10
100		64QAM	1	1	19.13			21.10
100	256QAM	1	1	18.58			19.50	
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		
90	Pi/2 BPSK	1	1	19.27	19.30	19.23	21.10	
Channel				630000	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510		
80	Pi/2 BPSK	1	1	19.26	19.19	19.26	21.10	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98		
70	Pi/2 BPSK	1	1	19.14	19.26	19.24	21.10	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3511.99		
60	Pi/2 BPSK	1	1	19.21	19.17	19.16	21.10	
Channel				631666	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3475.02	3499.98	3505		
50	Pi/2 BPSK	1	1	19.17	19.21	19.25	21.10	
Channel				631334	633332	633332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98		
40	Pi/2 BPSK	1	1	19.22	19.23	19.16	21.10	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99		
30	Pi/2 BPSK	1	1	19.27	19.28	19.16	21.10	
Channel				630634	633332	635832	Tune-up Limit (dBm)	
Frequency (MHz)				3462.51	3499.98	3537.48		
25	Pi/2 BPSK	1	1	19.17	19.23	19.12	21.10	
Channel				630666	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540		
20	Pi/2 BPSK	1	1	19.20	19.18	19.18	21.10	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49		
15	Pi/2 BPSK	1	1	19.18	19.22	19.16	21.10	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98		
10	Pi/2 BPSK	1	1	19.15	19.19	19.13	21.10	

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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								
Frequency (MHz)				633332	3499.98			
100	Pi/2 BPSK	1	1		22.40		24.10	
100		1	137		22.22		24.10	
100		1	271		22.13		24.10	
100		135	0	22.23			24.10	
100		135	69	22.27			24.10	
100		135	138	22.23			24.10	
100	QPSK	0	270	22.15			24.10	
100		1	1	22.20			24.10	
100		1	137	22.14			24.10	
100		1	271	22.16			24.10	
100		135	0	22.29			24.10	
100		135	69	22.19			24.10	
100	16QAM	135	139	22.19			24.10	
100		270	0	22.22			24.10	
100		18QAM	1	1	22.16			24.10
100		64QAM	1	1	22.23			24.10
100	256QAM	1	1	22.27			24.00	
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up Limit (dBm)	
90	Pi/2 BPSK	1	1	3495	3499.98	3504.99	24.10	
Frequency (MHz)				633000	633332	633666	Tune-up Limit (dBm)	
80	Pi/2 BPSK	1	1	3490.02	3499.98	3510	24.10	
Channel				632334	633332	634332	Tune-up Limit (dBm)	
70	Pi/2 BPSK	1	1	3485.01	3499.98	3514.98	24.10	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
60	Pi/2 BPSK	1	1	3480	3499.98	3519.99	24.10	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
50	Pi/2 BPSK	1	1	3475.02	3499.98	3525	24.10	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
40	Pi/2 BPSK	1	1	3470.01	3499.98	3529.98	24.10	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
30	Pi/2 BPSK	1	1	3465.03	3499.98	3534.99	24.10	
Channel				630668	633332	635932	Tune-up Limit (dBm)	
25	Pi/2 BPSK	1	1	3462.51	3499.98	3537.48	24.10	
Channel				630334	633332	636000	Tune-up Limit (dBm)	
20	Pi/2 BPSK	1	1	3460.02	3499.98	3540	24.10	
Channel				630000	633332	636166	Tune-up Limit (dBm)	
15	Pi/2 BPSK	1	1	3457.51	3499.98	3542.49	24.10	
Channel				629668	633332	636332	Tune-up Limit (dBm)	
10	Pi/2 BPSK	1	1	3455.01	3499.98	3544.98	24.10	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	19.33			21.10
100		1	137	19.29			21.10
100		1	271	19.24			21.10
100		135	0	19.19			21.10
100		135	69	19.20			21.10
100		135	138	19.20			21.10
100	QPSK	1	0	19.21			21.10
100		1	1	19.12			21.10
100		1	137	19.20			21.10
100		1	271	19.18			21.10
100		135	0	19.19			21.10
100		135	69	19.10			21.10
100	135	138	19.22			21.10	
100	270	0	19.19			21.10	
100	16QAM	1	1	19.17			21.10
100	64QAM	1	1	19.20			21.10
100	256QAM	1	1	18.66			19.60
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.18	19.28	19.36	21.10
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.20	19.20	19.24	21.10
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.25	19.18	19.15	21.10
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	19.18	19.25	19.24	21.10
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.20	19.14	19.25	21.10
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.16	19.15	19.21	21.10
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.19	19.18	19.17	21.10
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.17	19.25	19.24	21.10
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.18	19.23	19.27	21.10
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.19	19.19	19.14	21.10
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.22	19.13	19.16	21.10

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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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		22.36		24.10
100		1	137		22.25		24.10
100		1	271		22.30		24.10
100		135	0		22.21		24.10
100		135	69		22.34		24.10
100		135	138		22.15		24.10
100	QPSK	1	0		22.27		24.10
100		1	1		22.10		24.10
100		1	137		22.17		24.10
100		1	271		22.15		24.10
100		135	0		22.30		24.10
100		135	69		22.21		24.10
100	16QAM	1	1		22.29		24.10
100		64QAM	1	1		22.25	24.10
100	256QAM	1	1		22.19		24.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	22.20	22.38	22.22	24.10
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	22.24	22.18	22.19	24.10
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.15	22.26	22.13	24.10
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	22.22	22.17	22.23	24.10
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.15	22.27	22.18	24.10
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	22.18	22.18	22.25	24.10
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.23	22.21	22.19	24.10
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.20	22.28	22.26	24.10
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	22.16	22.21	22.22	24.10
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.15	22.18	22.21	24.10
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.18	22.18	22.15	24.10

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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				633332	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1		19.43		21.00
100		1	137		19.05		21.00
100		1	271		19.03		21.00
100		135	0		19.01		21.00
100		135	69		19.31		21.00
100	QPSK	135	138		19.07		21.00
100		270	0		19.05		21.00
100		1	1		19.03		21.00
100		1	137		19.08		21.00
100		1	271		19.00		21.00
100	16QAM	135	0		19.06		21.00
100		135	69		19.01		21.00
100		135	138		19.06		21.00
100	64QAM	1	1		19.04		21.00
100	256QAM	1	1		19.10		21.00
100	64QAM	1	1		19.03		21.00
100	256QAM	1	1		19.10		21.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1		19.00	19.05	21.00
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1		19.02	19.08	21.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1		19.06	19.07	21.00
Channel				632000	633332	634666	
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1		19.10	19.02	21.00
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1		19.01	19.08	21.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1		19.04	19.01	21.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1		19.04	19.09	21.00
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1		19.04	19.03	21.00
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1		19.04	19.09	21.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1		19.05	19.06	21.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1		19.00	19.06	21.00

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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				633332	633332	633332	
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1		22.58		24.00
100		1	137		22.35		24.00
100		1	271		22.37		24.00
100		135	0		22.25		24.00
100		135	69		22.38		24.00
100	QPSK	135	138		22.32		24.00
100		270	0		22.28		24.00
100		1	1		22.35		24.00
100		1	137		22.30		24.00
100		1	271		22.28		24.00
100	16QAM	135	0		22.34		24.00
100		135	69		22.27		24.00
100		135	138		22.28		24.00
100	64QAM	1	1		22.25		24.00
100	256QAM	1	1		22.25		24.00
100	64QAM	1	1		22.37		24.00
100	256QAM	1	1		22.25		24.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1		22.27	22.32	24.00
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1		22.16	22.27	24.00
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1		22.22	22.18	24.00
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3518.99	
60	PI2 BPSK	1	1		22.17	22.15	24.00
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1		22.15	22.21	24.00
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1		22.23	22.16	24.00
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1		22.19	22.28	24.00
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1		22.15	22.17	24.00
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1		22.17	22.23	24.00
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1		22.25	22.22	24.00
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1		22.13	22.20	24.00

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	19.13	19.18	19.24	21.00
100		1	137	19.08	19.15	19.17	21.00
100		1	271	19.00	19.09	19.10	21.00
100		135	0	19.11	19.11	19.12	21.00
100		135	69	19.11	19.17	19.21	21.00
100		135	138	19.08	19.14	19.20	21.00
100	QPSK	270	0	19.09	19.13	19.16	21.00
100		1	1	19.11	19.04	19.11	21.00
100		1	137	19.10	19.09	19.23	21.00
100		1	271	19.08	19.11	19.16	21.00
100		135	0	19.05	19.06	19.13	21.00
100		135	69	19.08	19.09	19.22	21.00
100	16QAM	1	1	19.02	19.05	19.16	21.00
100	64QAM	1	1	19.03	19.08	19.10	21.00
100	256QAM	1	1	19.07	19.03	19.11	21.00
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	19.08	19.08	19.22	21.00
Channel				649334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	19.04	19.10	19.13	21.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	19.05	19.16	19.20	21.00
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	PI2 BPSK	1	1	19.10	19.11	19.23	21.00
Channel				648334	654934	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	19.08	19.18	19.17	21.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	19.07	19.20	19.14	21.00
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	19.16	19.06	19.15	21.00
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	19.15	19.11	19.23	21.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	19.10	19.14	19.23	21.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	19.12	19.16	19.21	21.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	19.13	19.11	19.22	21.00

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	22.34	22.28	22.49	24.00
100		1	137	22.14	22.23	22.45	24.00
100		1	271	22.22	22.19	22.41	24.00
100		135	0	22.23	22.20	22.40	24.00
100		135	69	22.25	22.26	22.43	24.00
100		135	138	22.18	22.12	22.37	24.00
100	QPSK	270	0	22.18	22.13	22.38	24.00
100		1	1	22.18	22.18	22.37	24.00
100		1	137	22.19	22.16	22.36	24.00
100		1	271	22.22	22.25	22.40	24.00
100		135	0	22.22	22.19	22.38	24.00
100		135	69	22.25	22.25	22.47	24.00
100	16QAM	1	1	22.15	22.22	22.46	24.00
100	64QAM	1	1	22.10	22.15	22.35	24.00
100	256QAM	1	1	22.18	22.24	22.42	24.00
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	22.25	22.26	22.34	24.00
Channel				649334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	22.33	22.30	22.45	24.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	22.21	22.26	22.44	24.00
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	PI2 BPSK	1	1	22.26	22.24	22.34	24.00
Channel				648334	654934	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	22.27	22.29	22.36	24.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	22.29	22.34	22.37	24.00
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	22.21	22.33	22.43	24.00
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	22.29	22.32	22.43	24.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	22.32	22.34	22.35	24.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	22.21	22.30	22.35	24.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	22.29	22.27	22.37	24.00

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	19.19	19.19	19.19	21.00
100		1	137	19.18	19.18	19.18	21.00
100		1	271	19.13	19.13	19.13	21.00
100		135	0	19.12	19.12	19.12	21.00
100		135	69	19.15	19.15	19.15	21.00
100		135	138	19.09	19.09	19.09	21.00
100		270	0	19.13	19.13	19.13	21.00
100		1	1	19.13	19.13	19.13	21.00
100		1	137	19.16	19.16	19.16	21.00
100		1	271	19.09	19.09	19.09	21.00
100	QPSK	135	0	19.16	19.16	19.16	21.00
100		135	69	19.03	19.03	19.03	21.00
100		135	138	19.18	19.18	19.18	21.00
100		270	0	19.13	19.13	19.13	21.00
100	16QAM	1	1	19.14	19.14	19.14	21.00
100	64QAM	1	1	19.10	19.10	19.10	21.00
100	256QAM	1	1	19.17	19.17	19.17	21.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	19.15	19.15	19.15	21.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	19.03	19.14	19.10	21.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	19.07	19.13	19.09	21.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	19.11	19.05	19.12	21.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	19.13	19.02	19.08	21.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	19.11	19.07	19.10	21.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	19.10	19.04	19.06	21.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	19.05	19.11	19.08	21.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	19.07	19.07	19.08	21.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	19.07	19.12	19.08	21.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	19.13	19.03	19.02	21.00

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	22.52	22.52	22.52	24.00
100		1	137	22.45	22.45	22.45	24.00
100		1	271	22.46	22.46	22.46	24.00
100		135	0	22.37	22.37	22.37	24.00
100		135	69	22.41	22.41	22.41	24.00
100		135	138	22.37	22.37	22.37	24.00
100		270	0	22.40	22.40	22.40	24.00
100		1	1	22.39	22.39	22.39	24.00
100		1	137	22.45	22.45	22.45	24.00
100		1	271	22.41	22.41	22.41	24.00
100	QPSK	135	0	22.42	22.42	22.42	24.00
100		135	69	22.38	22.38	22.38	24.00
100		135	138	22.36	22.36	22.36	24.00
100		270	0	22.37	22.37	22.37	24.00
100	16QAM	1	1	22.34	22.34	22.34	24.00
100	64QAM	1	1	22.43	22.43	22.43	24.00
100	256QAM	1	1	22.41	22.41	22.41	24.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	22.46	22.50	22.47	24.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	22.42	22.36	22.27	24.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	22.32	22.37	22.31	24.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	22.33	22.44	22.36	24.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	22.39	22.47	22.39	24.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	22.37	22.48	22.35	24.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	22.39	22.46	22.30	24.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	22.33	22.41	22.29	24.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	22.34	22.39	22.35	24.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	22.37	22.36	22.27	24.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	22.32	22.44	22.33	24.00

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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				650000				
Frequency (MHz)				3750				
100	Pi/2 BPSK	1	1	19.37			21.00	
100		1	137	19.24			21.00	
100		1	271	19.27			21.00	
100		135	0	19.22			21.00	
100		135	69	19.35			21.00	
100		135	138	19.31			21.00	
100		270	0	19.26			21.00	
100		1	1	19.18			21.00	
100		1	137	19.35			21.00	
100		1	271	19.23			21.00	
100		QPSK	135	0	19.27			21.00
100			135	69	19.34			21.00
100	135		138	19.25			21.00	
100	270		0	19.24			21.00	
100	19QAM		1	1	19.26		21.00	
100	64QAM		1	1	19.36		21.00	
100	256QAM	1	1	19.30		21.00		
Channel				649668	650000	650332		
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)	
90	Pi/2 BPSK	1	1	19.26	19.32	19.30	21.00	
Channel				649334	650000	650666		
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)	
80	Pi/2 BPSK	1	1	19.15	19.26	19.15	21.00	
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)	
70	Pi/2 BPSK	1	1	19.14	19.20	19.26	21.00	
Channel				648666	650000	651332		
Frequency (MHz)				3730.02	3750	3769.98	Tune-up Limit (dBm)	
60	Pi/2 BPSK	1	1	19.22	19.29	19.15	21.00	
Channel				648334	650000	651666		
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)	
50	Pi/2 BPSK	1	1	19.15	19.25	19.20	21.00	
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)	
40	Pi/2 BPSK	1	1	19.12	19.26	19.21	21.00	
Channel				647666	650000	652332		
Frequency (MHz)				3715.02	3750	3784.98	Tune-up Limit (dBm)	
30	Pi/2 BPSK	1	1	19.21	19.22	19.21	21.00	
Channel				647334	650000	652666		
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)	
25	Pi/2 BPSK	1	1	19.19	19.27	19.17	21.00	
Channel				647334	650000	652666		
Frequency (MHz)				3710.01	3750	3786.98	Tune-up Limit (dBm)	
20	Pi/2 BPSK	1	1	19.17	19.18	19.19	21.00	
Channel				647168	650000	652832		
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dBm)	
15	Pi/2 BPSK	1	1	19.24	19.17	19.20	21.00	
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)	
10	Pi/2 BPSK	1	1	19.23	19.28	19.28	21.00	

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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					650000			
Frequency (MHz)					3750			
100	Pi/2 BPSK	1	1		22.43		24.00	
100		1	137		22.41		24.00	
100		1	271		22.36		24.00	
100		135	0		22.32		24.00	
100		135	69		22.35		24.00	
100		135	138		22.24		24.00	
100		270	0		22.32		24.00	
100		1	1		22.27		24.00	
100		1	137		22.33		24.00	
100		1	271		22.37		24.00	
Channel								
Frequency (MHz)								
100	QPSK	135	0		22.32		24.00	
100		135	69		22.30		24.00	
100		135	138		22.36		24.00	
100		270	0		22.40		24.00	
100		19QAM	1	1		22.18		24.00
100		64QAM	1	1		22.32		24.00
100	256QAM	1	1		22.31		24.00	
Channel				649668	650000	650332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3750	3754.98		
90	Pi/2 BPSK	1	1	22.38	22.41	22.37	24.00	
Channel				648334	650000		Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3750	3759.99		
80	Pi/2 BPSK	1	1	22.34	22.30	22.17	24.00	
Channel				649000	650000	651000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3750	3765		
70	Pi/2 BPSK	1	1	22.31	22.32	22.22	24.00	
Channel				648668	650000	651332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3750	3769.98		
60	Pi/2 BPSK	1	1	22.27	22.38	22.22	24.00	
Channel				648334	650000	651668	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3750	3774.99		
50	Pi/2 BPSK	1	1	22.38	22.36	22.20	24.00	
Channel				648000	650000	652000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3750	3780		
40	Pi/2 BPSK	1	1	22.30	22.32	22.18	24.00	
Channel				647668	650000	652332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3750	3784.98		
30	Pi/2 BPSK	1	1	22.35	22.37	22.30	24.00	
Channel				647330	650000	652660	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3750	3787.5		
25	Pi/2 BPSK	1	1	22.31	22.32	22.19	24.00	
Channel				647334	650000	652666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3750	3786.99		
20	Pi/2 BPSK	1	1	22.37	22.28	22.20	24.00	
Channel				647168	650000	652832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3750	3792.48		
15	Pi/2 BPSK	1	1	22.26	22.32	22.24	24.00	
Channel				647000	650000	653000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3750	3795		
10	Pi/2 BPSK	1	1	22.38	22.38	22.23	24.00	

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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				633300	633332	633666	18.60
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	17.42	17.42	17.42	18.60
100		1	137	17.29	17.29	17.29	18.60
100		1	271	17.36	17.36	17.36	18.60
100		135	0	17.31	17.31	17.31	18.60
100		135	69	17.40	17.40	17.40	18.60
100	QPSK	135	138	17.32	17.32	17.32	18.60
100		270	0	17.33	17.33	17.33	18.60
100		1	1	17.27	17.27	17.27	18.60
100		1	137	17.33	17.33	17.33	18.60
100		1	271	17.28	17.28	17.28	18.60
100	16QAM	135	0	17.34	17.34	17.34	18.60
100		135	69	17.38	17.38	17.38	18.60
100		135	138	17.30	17.30	17.30	18.60
100	64QAM	1	1	17.32	17.32	17.32	18.60
100	256QAM	1	1	17.30	17.30	17.30	18.60
100	64QAM	1	1	17.33	17.33	17.33	18.60
100	256QAM	1	1	17.29	17.29	17.29	18.60
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	17.23	17.28	17.30	18.60
Channel				632868	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	17.26	17.36	17.19	18.60
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	17.32	17.31	17.26	18.60
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	17.16	17.24	17.22	18.60
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	17.26	17.32	17.28	18.60
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	17.24	17.33	17.19	18.60
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	17.19	17.31	17.20	18.60
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	17.31	17.28	17.29	18.60
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	17.30	17.24	17.28	18.60
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	17.30	17.33	17.26	18.60
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	17.30	17.33	17.20	18.60

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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				633000	633332	633666	18.60
Frequency (MHz)				3499.98	3499.98	3499.98	
100	PI2 BPSK	1	1	20.10	20.10	20.10	21.60
100		1	137	19.97	19.97	19.97	21.60
100		1	271	20.04	20.04	20.04	21.60
100		135	0	20.04	20.04	20.04	21.60
100		135	69	20.08	20.08	20.08	21.60
100	QPSK	135	138	20.03	20.03	20.03	21.60
100		270	0	20.02	20.02	20.02	21.60
100		1	1	20.05	20.05	20.05	21.60
100		1	137	20.02	20.02	20.02	21.60
100		1	271	20.06	20.06	20.06	21.60
100	16QAM	135	0	19.99	19.99	19.99	21.60
100		135	69	20.08	20.08	20.08	21.60
100		135	138	19.97	19.97	19.97	21.60
100	64QAM	1	1	19.98	19.98	19.98	21.60
100	256QAM	1	1	20.07	20.07	20.07	21.60
100	64QAM	1	1	20.08	20.08	20.08	21.60
100	256QAM	1	1	19.97	19.97	19.97	21.60
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	20.03	20.04	19.98	21.60
Channel				632868	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	19.93	19.92	19.93	21.60
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	19.95	19.93	19.97	21.60
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	19.95	20.04	19.84	21.60
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	19.92	20.04	19.84	21.60
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	19.99	20.01	19.95	21.60
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	19.99	19.92	19.91	21.60
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	19.91	20.00	19.84	21.60
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	19.98	20.04	19.95	21.60
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	19.96	20.04	19.91	21.60
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	20.02	20.00	19.95	21.60

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	17.29	17.31	17.47	18.60
100		1	137	17.10	17.15	17.36	18.60
100		1	271	17.19	17.09	17.40	18.60
100		135	0	17.17	17.20	17.38	18.60
100		135	69	17.22	17.36	17.44	18.60
100		135	138	17.03	17.11	17.35	18.60
100		270	0	17.15	17.22	17.45	18.60
100		1	1	17.12	17.15	17.37	18.60
100		1	137	17.13	17.15	17.35	18.60
100		1	271	17.17	17.21	17.41	18.60
100	QPSK	135	0	17.11	17.16	17.37	18.60
100		135	69	17.08	17.12	17.34	18.60
100		135	138	17.05	17.10	17.33	18.60
100		270	0	17.05	17.10	17.33	18.60
100	16QAM	1	1	17.14	17.13	17.40	18.60
100	64QAM	1	1	17.15	17.12	17.34	18.60
100	256QAM	1	1	17.14	17.18	17.36	18.60
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	17.25	17.19	17.33	18.60
Channel				649334	655334	661334	662006
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	17.20	17.29	17.39	18.60
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	17.26	17.25	17.40	18.60
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	P1/2 BPSK	1	1	17.19	17.22	17.44	18.60
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	17.19	17.29	17.43	18.60
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	17.17	17.22	17.37	18.60
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	17.23	17.30	17.35	18.60
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	17.18	17.29	17.42	18.60
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	17.25	17.19	17.37	18.60
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	17.19	17.27	17.39	18.60
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	17.20	17.20	17.39	18.60

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P1/2 BPSK	1	1	19.69	19.70	19.83	21.60
100		1	137	19.66	19.68	19.71	21.60
100		1	271	19.64	19.69	19.74	21.60
100		135	0	19.61	19.70	19.73	21.60
100		135	69	19.70	19.69	19.79	21.60
100		135	138	19.67	19.66	19.66	21.60
100		270	0	19.65	19.67	19.74	21.60
100		1	1	19.69	19.65	19.75	21.60
100		1	137	19.64	19.76	19.78	21.60
100		1	271	19.66	19.66	19.68	21.60
100	QPSK	135	0	19.62	19.72	19.69	21.60
100		135	69	19.61	19.72	19.66	21.60
100		135	138	19.62	19.68	19.74	21.60
100		270	0	19.62	19.68	19.74	21.60
100	16QAM	1	1	19.73	19.71	19.80	21.60
100	64QAM	1	1	19.64	19.66	19.67	21.60
100	256QAM	1	1	19.71	19.66	19.79	21.60
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P1/2 BPSK	1	1	19.75	19.69	19.82	21.60
Channel				649334	655334	661334	662006
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P1/2 BPSK	1	1	19.65	19.67	19.73	21.60
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P1/2 BPSK	1	1	19.71	19.76	19.79	21.60
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3943.98
60	P1/2 BPSK	1	1	19.75	19.68	19.74	21.60
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P1/2 BPSK	1	1	19.72	19.67	19.68	21.60
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P1/2 BPSK	1	1	19.66	19.77	19.74	21.60
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P1/2 BPSK	1	1	19.72	19.78	19.81	21.60
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P1/2 BPSK	1	1	19.75	19.66	19.81	21.60
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P1/2 BPSK	1	1	19.72	19.71	19.79	21.60
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P1/2 BPSK	1	1	19.75	19.68	19.73	21.60
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P1/2 BPSK	1	1	19.75	19.66	19.74	21.60

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	17.38	17.38	17.38	18.60
100		1	137	17.15	17.15	17.15	18.60
100		1	271	17.27	17.27	17.27	18.60
100		135	0	17.17	17.17	17.17	18.60
100		135	69	17.29	17.29	17.29	18.60
100		135	138	17.15	17.15	17.15	18.60
100		270	0	17.30	17.30	17.30	18.60
100		1	1	17.17	17.17	17.17	18.60
100		1	137	17.24	17.24	17.24	18.60
100		1	271	17.25	17.25	17.25	18.60
100	QPSK	135	0	17.22	17.22	17.22	18.60
100		135	69	17.33	17.33	17.33	18.60
100		135	138	17.19	17.19	17.19	18.60
100		270	0	17.14	17.14	17.14	18.60
100	16QAM	1	1	17.25	17.25	17.25	18.60
100	64QAM	1	1	17.28	17.28	17.28	18.60
100	256QAM	1	1	17.19	17.19	17.19	18.60
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	17.26	17.26	17.26	18.60
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	17.23	17.21	17.22	18.60
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	17.18	17.18	17.18	18.60
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	17.24	17.23	17.15	18.60
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	17.16	17.28	17.10	18.60
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	17.15	17.20	17.20	18.60
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	17.20	17.26	17.20	18.60
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	17.21	17.20	17.16	18.60
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	17.22	17.23	17.11	18.60
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	17.21	17.17	17.14	18.60
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	17.16	17.24	17.12	18.60

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	20.08	20.08	20.08	21.60
100		1	137	19.86	19.86	19.86	21.60
100		1	271	19.96	19.96	19.96	21.60
100		135	0	19.90	19.90	19.90	21.60
100		135	69	19.94	19.94	19.94	21.60
100		135	138	19.89	19.89	19.89	21.60
100		270	0	20.00	20.00	20.00	21.60
100		1	1	19.91	19.91	19.91	21.60
100		1	137	19.85	19.85	19.85	21.60
100		1	271	19.99	19.99	19.99	21.60
100	QPSK	135	0	19.94	19.94	19.94	21.60
100		135	69	19.90	19.90	19.90	21.60
100		135	138	19.83	19.83	19.83	21.60
100		270	0	19.85	19.85	19.85	21.60
100	16QAM	1	1	20.03	20.03	20.03	21.60
100	64QAM	1	1	19.94	19.94	19.94	21.60
100	256QAM	1	1	19.87	19.87	19.87	21.60
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	20.00	20.05	20.04	21.60
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	19.99	20.00	19.96	21.60
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	19.86	19.96	20.02	21.60
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	19.93	19.93	19.95	21.60
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	19.90	19.91	19.96	21.60
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	19.93	20.01	19.97	21.60
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	19.90	19.94	19.94	21.60
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	19.86	19.93	19.97	21.60
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	19.91	20.04	19.95	21.60
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	19.88	19.95	20.01	21.60
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	19.97	19.97	19.89	21.60

<FR1 n78 (270, Ant 4, DSI 7)>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	17.40			18.60
100		1	137	17.22			18.60
100		1	271	17.35			18.60
100		135	0	17.25			18.60
100		135	69	17.35			18.60
100		135	138	17.21			18.60
100		270	0	17.37			18.60
100		1	1	17.33			18.60
100		1	137	17.19			18.60
100		1	271	17.25			18.60
100		QPSK	135	0	17.32		
100	135		69	17.32			18.60
100	135		138	17.22			18.60
100	270		0	17.21			18.60
100	16QAM	1	1	17.32			18.60
100	64QAM	1	1	17.32			18.60
100	256QAM	1	1	17.32			18.60
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	17.22	17.37	17.30	18.60
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	17.27	17.30	17.18	18.60
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	17.21	17.34	17.22	18.60
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	17.23	17.32	17.22	18.60
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	17.27	17.34	17.17	18.60
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	17.29	17.25	17.25	18.60
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	17.29	17.30	17.23	18.60
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	17.25	17.32	17.23	18.60
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	17.19	17.22	17.22	18.60
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	17.31	17.27	17.21	18.60
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	17.27	17.32	17.24	18.60

<FR1 n78 (270, HPUE, Ant 4, DSI 7)>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	19.83			21.60
100		1	137	19.71			21.60
100		1	271	19.76			21.60
100		135	0	19.66			21.60
100		135	69	19.72			21.60
100		135	138	19.62			21.60
100		270	0	19.74			21.60
100		1	1	19.68			21.60
100		1	137	19.81			21.60
100		1	271	19.62			21.60
QPSK							
100	QPSK	135	0	19.61			21.60
100		135	69	19.85			21.60
100		135	138	19.61			21.60
100		270	0	19.84			21.60
100	16QAM	1	1	19.73			21.60
100	64QAM	1	1	19.66			21.60
100	256QAM	1	1	19.81			21.60
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.73	19.76	19.70	21.60
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.73	19.73	19.63	21.60
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.71	19.71	19.62	21.60
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	19.75	19.66	19.63	21.60
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.75	19.66	19.61	21.60
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.75	19.68	19.64	21.60
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.63	19.71	19.67	21.60
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.71	19.66	19.72	21.60
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3780.99	
20	Pi/2 BPSK	1	1	19.68	19.63	19.65	21.60
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3782.48	
15	Pi/2 BPSK	1	1	19.72	19.76	19.70	21.60
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.70	19.68	19.74	21.60

<FR1 n77 (27Q) Ant 8_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	19.20
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		18.79		19.20
100		1	137		18.74		
100		1	271		18.66		
100		135	0		18.75		
100		135	69		18.77		
100	QPSK	135	138		18.76		19.20
100		270	0		18.75		
100		1	1		18.70		
100		1	137		18.76		
100		1	271		18.65		
100	16QAM	135	0		18.73		19.20
100		135	69		18.77		
100		135	138		18.76		
100	64QAM	1	1		18.74		19.20
100	256QAM	1	1		18.68		
100	64QAM	1	1		18.78		19.20
100	256QAM	1	1		18.70		
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.71	18.75	18.73	19.20
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.69	18.63	18.66	19.20
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.66	18.66	18.59	19.20
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3518.99	
60	PI/2 BPSK	1	1	18.62	18.62	18.65	19.20
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.65	18.70	18.63	19.20
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.59	18.70	18.51	19.20
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.62	18.73	18.72	19.20
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.68	18.66	18.61	19.20
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.59	18.61	18.67	19.20
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.69	18.70	18.60	19.20
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.63	18.68	18.66	19.20

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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				633300	633332	633666	22.20
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		21.79		22.20
100		1	137		21.66		
100		1	271		21.76		
100		135	0		21.69		
100		135	69		21.78		
100	QPSK	135	138		21.67		22.20
100		270	0		21.77		
100		1	1		21.67		
100		1	137		21.84		
100		1	271		21.76		
100	16QAM	135	0		21.72		22.20
100		135	69		21.78		
100		135	138		21.69		
100	64QAM	1	1		21.84		22.20
100	256QAM	1	1		21.84		
100	64QAM	1	1		21.73		22.20
100	256QAM	1	1		21.73		
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.65	21.70	21.68	22.20
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.60	21.58	21.63	22.20
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.63	21.66	21.63	22.20
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3518.99	
60	PI/2 BPSK	1	1	21.52	21.64	21.62	22.20
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.51	21.66	21.58	22.20
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.57	21.66	21.66	22.20
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.61	21.65	21.53	22.20
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.63	21.67	21.62	22.20
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.53	21.65	21.59	22.20
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.56	21.63	21.60	22.20
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.63	21.67	21.54	22.20

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P12 BPSK	1	1	18.71	18.65	18.85	19.20
100		1	137	18.60	18.46	18.67	18.44
100		1	271	18.54	18.46	18.60	18.36
100		135	0	18.51	18.45	18.64	18.53
100		135	69	18.61	18.66	18.83	18.61
100		135	138	18.57	18.53	18.70	18.57
100		270	0	18.61	18.47	18.66	18.46
100		1	1	18.58	18.55	18.72	18.50
100		1	137	18.57	18.50	18.68	18.58
100		1	271	18.51	18.47	18.67	18.48
100	QPSK	135	0	18.55	18.55	18.71	18.60
100		135	69	18.49	18.37	18.60	18.47
100		135	138	18.55	18.51	18.70	18.48
100		270	0	18.45	18.40	18.60	18.49
100	16QAM	1	1	18.55	18.42	18.64	18.42
100	64QAM	1	1	18.41	18.37	18.59	18.43
100	256QAM	1	1	18.45	18.36	18.67	18.47
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P12 BPSK	1	1	18.63	18.57	18.70	18.61
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P12 BPSK	1	1	18.66	18.52	18.65	18.55
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P12 BPSK	1	1	18.66	18.51	18.61	18.54
Channel				648668	650000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P12 BPSK	1	1	18.59	18.61	18.66	18.56
Channel				648334	654934	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P12 BPSK	1	1	18.62	18.52	18.73	18.61
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P12 BPSK	1	1	18.69	18.64	18.74	18.57
Channel				647668	654500	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P12 BPSK	1	1	18.69	18.60	18.61	18.54
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P12 BPSK	1	1	18.59	18.61	18.67	18.55
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P12 BPSK	1	1	18.69	18.59	18.60	18.50
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P12 BPSK	1	1	18.68	18.59	18.65	18.57
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P12 BPSK	1	1	18.59	18.52	18.62	18.53

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P12 BPSK	1	1	21.65	21.73	21.82	21.55
100		1	137	21.45	21.57	21.67	21.47
100		1	271	21.52	21.59	21.73	21.43
100		135	0	21.47	21.63	21.71	21.39
100		135	69	21.63	21.68	21.81	21.54
100		135	138	21.44	21.66	21.72	21.46
100		270	0	21.55	21.63	21.73	21.50
100		1	1	21.48	21.53	21.71	21.40
100		1	137	21.49	21.61	21.73	21.44
100		1	271	21.42	21.49	21.65	21.33
100	QPSK	135	0	21.47	21.59	21.72	21.40
100		135	69	21.46	21.55	21.67	21.35
100		135	138	21.54	21.65	21.76	21.49
100		270	0	21.58	21.53	21.73	21.43
100	16QAM	1	1	21.39	21.53	21.65	21.35
100	64QAM	1	1	21.54	21.57	21.74	21.53
100	256QAM	1	1	21.45	21.65	21.71	21.40
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P12 BPSK	1	1	21.54	21.66	21.64	21.61
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P12 BPSK	1	1	21.55	21.70	21.74	21.53
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P12 BPSK	1	1	21.64	21.66	21.67	21.46
Channel				648668	650000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P12 BPSK	1	1	21.61	21.59	21.72	21.47
Channel				648334	654934	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P12 BPSK	1	1	21.57	21.64	21.70	21.49
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P12 BPSK	1	1	21.60	21.65	21.66	21.51
Channel				647668	654500	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P12 BPSK	1	1	21.53	21.71	21.63	21.52
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P12 BPSK	1	1	21.64	21.70	21.69	21.49
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P12 BPSK	1	1	21.63	21.62	21.63	21.53
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P12 BPSK	1	1	21.55	21.66	21.76	21.50
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P12 BPSK	1	1	21.62	21.67	21.64	21.53

<FR1 n78 (27Q)_Ant 8_DSI 7>

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	Pi/2 BPSK	1	1	18.77	18.20	19.20	
100		1	137	18.82	19.20	19.20	
100		1	271	18.81	19.20	19.20	
100		135	0	18.86	19.20	19.20	
100		135	69	18.78	19.20	19.20	
100		135	138	18.75	19.20	19.20	
100		270	0	18.77	19.20	19.20	
100		1	1	18.58	19.20	19.20	
100		1	137	18.85	19.20	19.20	
100		1	271	18.82	19.20	19.20	
100	QPSK	135	0	18.73	19.20	19.20	
100		135	69	18.76	19.20	19.20	
100		135	138	18.67	19.20	19.20	
100		270	0	18.74	19.20	19.20	
100	16QAM	1	1	18.81	19.20	19.20	
100	64QAM	1	1	18.73	19.20	19.20	
100	256QAM	1	1	18.70	19.20	19.20	
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	18.83	18.66	19.20	
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	18.56	18.64	18.57	19.20
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	18.48	18.62	18.61	19.20
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	18.59	18.69	18.56	19.20
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	18.52	18.62	18.63	19.20
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	18.58	18.60	18.62	19.20
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	18.50	18.66	18.63	19.20
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	18.59	18.67	18.57	19.20
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	18.56	18.60	18.61	19.20
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	18.50	18.59	18.54	19.20
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	18.59	18.64	18.62	19.20

<FR1 n78 (27Q)_HPUE_Ant 8_DSI 7>

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	Pi/2 BPSK	1	1	21.76	21.78	22.20	
100		1	137	21.57	22.20	22.20	
100		1	271	21.74	22.20	22.20	
100		135	0	21.71	22.20	22.20	
100		135	69	21.72	22.20	22.20	
100		135	138	21.68	22.20	22.20	
100		270	0	21.70	22.20	22.20	
100		1	1	21.66	22.20	22.20	
100		1	137	21.65	22.20	22.20	
100		1	271	21.75	22.20	22.20	
100	QPSK	135	0	21.69	22.20	22.20	
100		135	69	21.75	22.20	22.20	
100		135	138	21.61	22.20	22.20	
100		270	0	21.57	22.20	22.20	
100	16QAM	1	1	21.64	22.20	22.20	
100	64QAM	1	1	21.68	22.20	22.20	
100	256QAM	1	1	21.69	22.20	22.20	
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	21.68	21.72	21.61	22.20
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	21.58	21.67	21.58	22.20
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	21.67	21.58	21.50	22.20
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	21.65	21.67	21.62	22.20
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	21.65	21.71	21.53	22.20
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	21.68	21.60	21.64	22.20
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	21.57	21.69	21.53	22.20
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	21.61	21.62	21.48	22.20
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	21.62	21.64	21.45	22.20
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	21.63	21.63	21.50	22.20
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	21.54	21.58	21.57	22.20

<FR1 n78 (270, Ant 8, DSI 7)>

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)				3750			
100	Pi/2 BPSK	1	1	18.74			19.20
100		1	137	18.68			19.20
100		1	271	18.48			19.20
100		135	0	18.59			19.20
100		135	69	18.72			19.20
100		135	138	18.70			19.20
100		270	0	18.55			19.20
100		1	1	18.63			19.20
100		1	137	18.69			19.20
100		1	271	18.69			19.20
100	QPSK	135	0	18.58			19.20
100		135	69	18.63			19.20
100		135	138	18.70			19.20
100		270	0	18.55			19.20
100	16QAM	1	1	18.55			19.20
100	64QAM	1	1	18.48			19.20
100	256QAM	1	1	18.57			19.20
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	18.70		18.65	19.20
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	18.55	18.63	18.56	19.20
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	18.60	18.58	18.56	19.20
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	18.68	18.59	18.59	19.20
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	18.66	18.70	18.54	19.20
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	18.63	18.57	18.60	19.20
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	18.59	18.60	18.54	19.20
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
25	Pi/2 BPSK	1	1	18.65	18.59	18.57	19.20
Channel				647000	650000	652996	
Frequency (MHz)				3705	3750	3795	
20	Pi/2 BPSK	1	1	18.55	18.61	18.64	19.20
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	18.65	18.63	18.51	19.20
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	18.58	18.68	18.61	19.20

<FR1 n78 (270, HPUE, Ant 8, DSI 7)>

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)				3750			
100	Pi/2 BPSK	1	1	21.70			22.20
100		1	137	21.63			22.20
100		1	271	21.59			22.20
100		135	0	21.68			22.20
100		135	69	21.60			22.20
100		135	138	21.63			22.20
100		270	0	21.67			22.20
100		1	1	21.61			22.20
100		1	137	21.59			22.20
100		1	271	21.52			22.20
100	QPSK	135	0	21.63			22.20
100		135	69	21.58			22.20
100		135	138	21.60			22.20
100		270	0	21.58			22.20
100	16QAM	1	1	21.61			22.20
100	64QAM	1	1	21.69			22.20
100	256QAM	1	1	21.55			22.20
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	21.60	21.68	21.65	22.20
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	21.57	21.67	21.63	22.20
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	21.51	21.62	21.57	22.20
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	21.56	21.63	21.60	22.20
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	21.50	21.53	21.56	22.20
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	21.52	21.59	21.59	22.20
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	21.57	21.62	21.55	22.20
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
25	Pi/2 BPSK	1	1	21.54	21.66	21.57	22.20
Channel				647334	650000	652996	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	21.50	21.64	21.53	22.20
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	21.55	21.67	21.60	22.20
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	21.52	21.67	21.60	22.20

<FR1 n14_Ant 0_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1		20.07		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

<FR1 n14_HPUE_Ant 0_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		25.29		26.00
10		1	26		25.26		26.00
10		1	50		25.28		26.00
10		25	0		25.23		26.00
10		25	14		25.26		26.00
10		25	27		25.23		26.00
10		50	0		25.23		26.00
10		1	1		25.20		26.00
10	QPSK	1	26		25.16		26.00
10		1	50		25.27		26.00
10		25	0		25.26		26.00
10		25	14		25.17		26.00
10		25	27		25.17		26.00
10		50	0		25.16		26.00
10		16QAM	1	1	25.24		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	25.21	25.26	25.25	26.00

<FR1 n71_Ant 0_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.41		24.00
35		1	90		23.25		24.00
35		1	186		23.22		24.00
35		90	0		23.38		24.00
35		90	45		23.39		24.00
35		90	90		23.35		24.00
35		180	0		23.33		24.00
35		1	1		23.24		24.00
35	QPSK	1	90		23.16		24.00
35		1	186		23.22		24.00
35		90	0		23.26		24.00
35		90	45		23.29		24.00
35		90	90		23.24		24.00
35		180	0		23.39		24.00
35		16QAM	1	1		23.15	24.00
35		64QAM	1	1		22.21	23.00
35	256QAM	1	1		20.27		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1		23.31	23.36	23.33
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1		23.17	23.32	23.30
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1		23.23	23.25	23.25
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1		23.25	23.34	23.24
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1		23.24	23.20	23.25
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1		23.20	23.29	23.26

<FR1 n71_HPUE_Ant 0_DSI 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		24.28		25.20
35		1	90		24.17		25.20
35		1	186		24.25		25.20
35		90	0		24.19		25.20
35		90	45		24.26		25.20
35		90	90		24.18		25.20
35		180	0		24.24		25.20
35		1	1		24.21		25.20
35	QPSK	1	90		24.26		25.20
35		1	186		24.21		25.20
35		90	0		24.14		25.20
35		90	45		24.25		25.20
35		90	90		24.20		25.20
35		180	0		24.21		25.20
35		16QAM	1	1		24.13	25.20
35		64QAM	1	1		23.70	24.50
35	256QAM	1	1		21.67		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1		24.21	24.26	24.23
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1		24.12	24.15	24.17
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1		24.18	24.13	24.15
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1		24.14	24.24	24.18
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1		24.15	24.19	24.12
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1		24.09	24.16	24.10

<FR1 n30_Ant 2_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		23.40		24.00
10		1	28		23.35		24.00
10		1	50		23.38		24.00
10		25	0		23.32		24.00
10		25	14		23.38		24.00
10		25	27		23.38		24.00
10		50	0		23.31		24.00
10		1	1		23.32		24.00
10		1	26		23.25		24.00
10		1	50		23.32		24.00
10	QPSK	1	0		23.32		24.00
10		25	14		23.31		24.00
10		25	27		23.32		24.00
10		50	0		23.35		24.00
10		16QAM	1	1	23.30		24.00
10		64QAM	1	1	21.75		23.00
10	256QAM	1	1		19.75		21.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	23.36	23.37	23.27	24.00

<FR1 n14_Ant 1_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.37		24.00
10		1	26		23.30		24.00
10		1	50		23.26		24.00
10		25	0		23.30		24.00
10		25	14		23.35		24.00
10		25	27		23.23		24.00
10		50	0		23.29		24.00
10		1	1		23.24		24.00
10	QPSK	1	26		23.29		24.00
10		1	50		23.12		24.00
10		25	0		23.23		24.00
10		25	14		23.36		24.00
10		25	27		23.30		24.00
10		50	0		23.23		24.00
10		16QAM	1	1		23.22	24.00
10		64QAM	1	1		22.22	23.00
10	256QAM	1	1		20.16		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.31	23.35	23.32	24.00

<FR1 n14_HPUE_Ant 1_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.35		27.00
10		1	26		26.31		27.00
10		1	50		26.29		27.00
10		25	0		25.84		26.50
10		25	14		26.28		27.00
10		25	27		25.81		26.50
10		50	0		25.86		26.50
10		1	1		26.33		27.00
10	QPSK	1	26		26.28		27.00
10		1	50		26.31		27.00
10		25	0		25.29		26.00
10		25	14		26.29		27.00
10		25	27		25.24		26.00
10		50	0		25.21		26.00
10		16QAM	1	1		25.23	26.00
10		64QAM	1	1		23.74	24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.25	26.31	26.28	27.00

<FR1 n30_Ant 1_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	Pi/2 BPSK	1	1		21.40		23.00
10		1	26		21.35		23.00
10		1	50		21.25		23.00
10		25	0		21.20		23.00
10		25	14		21.38		23.00
10		25	27		21.24		23.00
10	QPSK	50	0		21.31		23.00
10		1	1		21.09		23.00
10		1	26		21.35		23.00
10		1	50		21.29		23.00
10		25	0		21.12		23.00
10		25	14		21.29		23.00
10	16QAM	25	27		21.32		23.00
10		50	0		21.36		23.00
10		16QAM	1	1		21.12	23.00
10		64QAM	1	1		21.10	23.00
10	256QAM	1	1		20.37		22.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	21.34	21.38	21.30	23.00

<FR1 n71_Ant 1_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	Pi/2 BPSK	1	1		23.33		24.00
35		1	90		23.22		24.00
35		1	186		22.88		24.00
35		90	0		23.21		24.00
35		90	45		23.31		24.00
35		90	90		23.17		24.00
35	QPSK	180	0		23.25		24.00
35		1	1		23.16		24.00
35		1	90		23.32		24.00
35		1	186		23.10		24.00
35		90	0		23.26		24.00
35		90	45		23.32		24.00
35	16QAM	90	90		23.29		24.00
35		180	0		23.22		24.00
35		16QAM	1	1		23.11	24.00
35		64QAM	1	1		22.09	23.00
35	256QAM	1	1		20.16		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	Pi/2 BPSK	1	1	23.21	23.25	23.24	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	Pi/2 BPSK	1	1	23.11	23.11	23.21	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	Pi/2 BPSK	1	1	23.07	23.20	23.14	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	Pi/2 BPSK	1	1	23.09	23.12	23.14	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	Pi/2 BPSK	1	1	23.16	23.12	23.17	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	Pi/2 BPSK	1	1	23.18	23.24	23.18	24.00

<FR1 n71_HPUE_Ant 1_DSI >

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	Pi/2 BPSK	1	1		26.31		27.00
35		1	90		26.29		27.00
35		1	186		26.13		27.00
35		90	0		25.72		26.50
35		90	45		26.26		27.00
35		90	90		25.73		26.50
35		180	0		25.78		26.50
35		1	1		26.29		27.00
35		1	90		26.19		27.00
35		1	186		26.23		27.00
35	QPSK	90	0		25.16		26.00
35		90	45		26.22		27.00
35		90	90		25.17		26.00
35		180	0		25.07		26.00
35		16QAM	1	1	25.17		26.00
35		64QAM	1	1	23.65		24.50
35	256QAM	1	1		21.59		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	Pi/2 BPSK	1	1	26.25	26.28	26.27	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	Pi/2 BPSK	1	1	26.18	26.20	26.20	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	Pi/2 BPSK	1	1	26.18	26.22	26.20	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	Pi/2 BPSK	1	1	26.17	26.15	26.23	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				669	680.5	693	
10	Pi/2 BPSK	1	1	26.24	26.14	26.16	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	Pi/2 BPSK	1	1	26.16	26.15	26.15	27.00

<FR1 n2_Ant 6_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)
Channel				374000	376000	376000	
Frequency (MHz)				1670	1680	1690	
40	Pi/2 BPSK	1	1	21.35	21.58	21.43	21.70
40		1	108	21.13	21.49	21.25	21.70
40		1	214	21.19	21.57	21.39	21.70
40		108	0	20.91	21.28	21.10	21.70
40		108	54	21.13	21.50	21.25	21.70
40		108	108	21.16	21.42	21.26	21.70
40		216	0	21.02	21.33	21.06	21.70
40		1	1	20.88	21.25	21.09	21.70
40		1	108	21.01	21.31	21.10	21.70
40		1	214	21.19	21.47	21.28	21.70
40	QPSK	1	0	21.10	21.38	21.16	21.70
40		108	54	21.03	21.33	21.11	21.70
40		108	108	21.06	21.33	21.07	21.70
40		216	0	20.97	21.32	21.04	21.70
40	16QAM	1	1	20.92	21.20	20.97	21.70
40	64QAM	1	1	19.86	20.22	20.00	20.70
40	256QAM	1	1	17.79	18.11	17.89	18.70
Channel				373500	376000	378500	
Frequency (MHz)				1667.5	1680	1692.5	
35	Pi/2 BPSK	1	1	21.20	21.46	21.38	21.70
Channel				373000	376000	379000	
Frequency (MHz)				1665	1680	1695	
30	Pi/2 BPSK	1	1	21.21	21.55	21.41	21.70
Channel				372500	376000	379500	
Frequency (MHz)				1662.5	1680	1697.5	
25	Pi/2 BPSK	1	1	21.21	21.47	21.31	21.70
Channel				372000	376000	380000	
Frequency (MHz)				1660	1680	1900	
20	Pi/2 BPSK	1	1	21.25	21.56	21.37	21.70
Channel				371500	376000	380500	
Frequency (MHz)				1657.5	1680	1902.5	
15	Pi/2 BPSK	1	1	21.31	21.49	21.29	21.70
Channel				371000	376000	381000	
Frequency (MHz)				1655	1680	1905	
10	Pi/2 BPSK	1	1	21.33	21.46	21.36	21.70
Channel				370500	376000	381500	
Frequency (MHz)				1652.5	1680	1907.5	
5	Pi/2 BPSK	1	1	21.26	21.49	21.38	21.70

<FR1 n25_Ant 6_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1670	1682.5	1695	
40	Pi/2 BPSK	1	1	21.43	21.48	21.42	21.70
40		1	108	21.25	21.45	21.26	21.70
40		1	214	21.32	21.47	21.36	21.70
40		108	0	21.16	21.26	21.07	21.70
40		108	54	21.27	21.42	21.32	21.70
40		108	108	21.26	21.41	21.22	21.70
40		216	0	21.21	21.32	21.17	21.70
40		1	1	21.25	21.40	21.24	21.70
40		1	108	21.23	21.32	21.19	21.70
40		1	214	21.25	21.43	21.23	21.70
40	QPSK	108	0	21.21	21.31	21.12	21.70
40		108	54	21.20	21.30	21.16	21.70
40		108	108	21.22	21.32	21.22	21.70
40		216	0	21.15	21.33	21.25	21.70
40	16QAM	1	1	21.04	21.21	21.05	21.70
40	64QAM	1	1	20.41	20.50	20.30	20.70
40	256QAM	1	1	18.34	18.40	18.25	18.70
Channel				373500	376500	379500	Tune-up Limit (dBm)
Frequency (MHz)				1667.5	1682.5	1697.5	
35	Pi/2 BPSK	1	1	21.41	21.41	21.32	21.70
Channel				373000	376500	380000	Tune-up Limit (dBm)
Frequency (MHz)				1665	1682.5	1900	
30	Pi/2 BPSK	1	1	21.38	21.40	21.37	21.70
Channel				372500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1662.5	1682.5	1902.5	
25	Pi/2 BPSK	1	1	21.31	21.44	21.33	21.70
Channel				372000	376500	381000	Tune-up Limit (dBm)
Frequency (MHz)				1660	1682.5	1905	
20	Pi/2 BPSK	1	1	21.35	21.42	21.29	21.70
Channel				371500	376500	381500	Tune-up Limit (dBm)
Frequency (MHz)				1657.5	1682.5	1907.5	
15	Pi/2 BPSK	1	1	21.35	21.40	21.31	21.70
Channel				371000	376500	382000	Tune-up Limit (dBm)
Frequency (MHz)				1655	1682.5	1910	
10	Pi/2 BPSK	1	1	21.41	21.36	21.30	21.70
Channel				370500	376500	382500	Tune-up Limit (dBm)
Frequency (MHz)				1652.5	1682.5	1912.5	
5	Pi/2 BPSK	1	1	21.39	21.36	21.31	21.70

<FR1 n30_Ant 6_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	Pi/2 BPSK	1	1		21.53		22.00
10		1	26		21.52		22.00
10		1	50		21.50		22.00
10		25	0		21.48		22.00
10		25	14		21.52		22.00
10		25	27		21.48		22.00
10		50	0		21.47		22.00
10		1	1		21.51		22.00
10		1	26		21.42		22.00
10		1	50		21.43		22.00
10	QPSK	25	0		21.47		22.00
10		25	14		21.44		22.00
10		25	27		21.48		22.00
10		50	0		21.46		22.00
10		16QAM	1	1		21.42	
10	64QAM	1	1		19.90		21.00
10	256QAM	1	1		17.83		19.00
Channel				461500	462000	462500	
Frequency (MHz)				2307.5	2310	2312.5	
5	Pi/2 BPSK	1	1	21.48	21.52	21.50	22.00

<FR1 n66_Ant 6_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)	
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.86	21.88	21.81	22.00	
45		1	120	21.72	21.78	21.62	22.00	
45		1	240	21.28	21.37	21.18	22.00	
45		120	0	21.52	21.62	21.40	22.00	
45		120	60	21.49	21.63	21.42	22.00	
45		120	120	21.48	21.60	21.39	22.00	
45		240	0	21.49	21.58	21.40	22.00	
45		1	1	21.70	21.79	21.66	22.00	
45		1	120	21.41	21.55	21.35	22.00	
45		1	240	21.28	21.32	21.16	22.00	
45	QPSK	120	0	21.55	21.63	21.47	22.00	
45		120	60	21.48	21.57	21.41	22.00	
45		120	120	21.55	21.61	21.39	22.00	
45		240	0	21.43	21.59	21.50	22.00	
45		16QAM	1	1	21.64	21.73	21.55	22.00
45		64QAM	1	1	20.62	20.70	20.60	21.00
45	256QAM	1	1	18.41	18.47	18.27	19.00	
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.74	21.79	21.74	22.00	
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	PI/2 BPSK	1	1	21.73	21.76	21.68	22.00	
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.75	21.78	21.80	22.00	
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.72	21.76	21.66	22.00	
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.73	21.87	21.70	22.00	
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.79	21.78	21.75	22.00	
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.77	21.84	21.70	22.00	
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.79	21.83	21.70	22.00	

<FR1 n70_Ant 6_DSI 6>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	Pi/2 BPSK	1	1		21.75		22.00
15		1	40		21.67		22.00
15		1	77		21.70		22.00
15		36	0		21.56		22.00
15		36	22		21.66		22.00
15		36	43		21.58		22.00
15		75	0		21.54		22.00
15		1	1		21.64		22.00
15		1	40		21.62		22.00
15		1	77		21.63		22.00
15	QPSK	36	0		21.56		22.00
15		36	22		21.44		22.00
15		36	43		21.51		22.00
15		75	0		21.56		22.00
15		16QAM	1	1	21.62		22.00
15		64QAM	1	1	20.59		21.00
15	256QAM	1	1		18.48		19.00
Channel				340000	340500	341000	Tune-up Limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	Pi/2 BPSK	1	1	21.63	21.72	21.68	22.00
Channel				339500	340500	341500	Tune-up Limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	Pi/2 BPSK	1	1	21.55	21.64	21.64	22.00

<FR1 n77 (27Q) Ant 7_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	24.00
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		23.31		24.00
100		1	137		23.00		24.00
100		1	271		23.10		24.00
100		135	0		22.70		23.50
100		135	69		23.10		24.00
100	QPSK	135	138		22.50		23.50
100		270	0		22.50		23.50
100		1	1		23.30		24.00
100		1	137		22.90		24.00
100		1	271		23.10		24.00
100	16QAM	135	0		22.10		23.00
100		135	69		23.00		24.00
100		135	138		22.00		23.00
100	64QAM	1	1		22.00		23.00
100	256QAM	1	1		22.10		23.00
100	64QAM	1	1		20.60		21.50
100	256QAM	1	1		16.70		19.50
Channel				633000	633332	633666	24.00
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.22	23.30	23.25	24.00
Channel				632668	633332	634000	24.00
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.19	23.25	23.19	24.00
Channel				632334	633332	634332	24.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.10	23.16	23.17	24.00
Channel				632000	633332	634666	24.00
Frequency (MHz)				3485	3499.98	3518.99	
60	PI/2 BPSK	1	1	23.20	23.23	23.24	24.00
Channel				631668	633332	635000	24.00
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.15	23.21	23.18	24.00
Channel				631334	633332	635332	24.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.16	23.17	23.22	24.00
Channel				631000	633332	635666	24.00
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.13	23.17	23.18	24.00
Channel				630634	633332	635832	24.00
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.21	23.27	23.19	24.00
Channel				630668	633332	636000	24.00
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.16	23.28	23.11	24.00
Channel				630500	633332	636166	24.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.16	23.22	23.12	24.00
Channel				630334	633332	636332	24.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.11	23.17	23.23	24.00

<FR1 n77 (27Q) HPUE_Ant 7_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	27.00
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1		26.24		27.00
100		1	137		26.00		27.00
100		1	271		26.06		27.00
100		135	0		26.12		27.00
100		135	69		26.13		27.00
100	QPSK	135	138		26.00		27.00
100		270	0		26.02		27.00
100		1	1		26.07		27.00
100		1	137		25.83		27.00
100		1	271		25.89		27.00
100	16QAM	135	0		26.04		27.00
100		135	69		26.02		27.00
100		135	138		26.03		27.00
100	64QAM	1	1		26.06		27.00
100	256QAM	1	1		25.96		27.00
100	64QAM	1	1		24.51		26.00
100	256QAM	1	1		22.00		24.00
Channel				633000	633332	633666	27.00
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.18	26.20	26.15	27.00
Channel				632668	633332	634000	27.00
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.12	26.12	26.09	27.00
Channel				632334	633332	634332	27.00
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.07	26.14	26.10	27.00
Channel				632000	633332	634666	27.00
Frequency (MHz)				3485	3499.98	3518.99	
60	PI/2 BPSK	1	1	26.11	26.12	26.01	27.00
Channel				631668	633332	635000	27.00
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.05	26.14	26.13	27.00
Channel				631334	633332	635332	27.00
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.09	26.14	26.06	27.00
Channel				631000	633332	635666	27.00
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.11	26.17	26.14	27.00
Channel				630634	633332	635832	27.00
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.06	26.07	26.09	27.00
Channel				630668	633332	636000	27.00
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.10	26.11	26.13	27.00
Channel				630500	633332	636166	27.00
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.10	26.07	26.04	27.00
Channel				630334	633332	636332	27.00
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.16	26.17	26.06	27.00

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	23.12	23.26	23.38	23.50
100		1	137	22.91	22.97	23.22	23.11
100		1	271	22.79	22.85	23.10	22.86
100		135	0	22.33	22.58	22.70	22.55
100		135	69	22.89	23.05	23.26	23.03
100		135	138	22.23	22.44	22.60	22.44
100		270	0	22.24	22.40	22.54	22.41
100		1	1	23.02	23.13	23.32	23.11
100		1	137	23.00	23.05	23.28	23.04
100		1	271	22.92	23.11	23.26	23.14
100	QPSK	135	0	22.00	22.17	22.36	22.12
100		135	69	22.92	23.08	23.25	23.02
100		135	138	22.16	22.36	22.56	22.30
100		270	0	22.04	22.08	22.30	22.15
100	16QAM	1	1	21.83	22.00	22.22	22.01
100	64QAM	1	1	20.48	20.64	20.77	20.55
100	256QAM	1	1	18.49	18.51	18.74	18.57
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	23.09	23.14	23.29	23.14
Channel				649334	655334	661334	662000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	23.10	23.13	23.33	23.15
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	23.01	23.11	23.36	23.17
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	PI2 BPSK	1	1	23.02	23.12	23.28	23.17
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	23.07	23.22	23.28	23.12
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	23.05	23.22	23.23	23.09
Channel				647668	654600	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	22.99	23.24	23.34	23.08
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	23.05	23.18	23.32	23.11
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	23.07	23.16	23.34	23.12
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	23.06	23.24	23.33	23.07
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	23.05	23.18	23.28	23.10

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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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	26.31	26.23	26.32	26.19
100		1	137	25.98	25.98	26.11	25.99
100		1	271	25.86	25.88	26.00	25.86
100		135	0	25.66	25.55	25.73	25.62
100		135	69	26.14	26.06	26.25	26.09
100		135	138	25.10	24.96	25.16	24.97
100		270	0	25.65	25.61	25.74	25.57
100		1	1	26.17	26.07	26.27	26.03
100		1	137	26.15	26.17	26.28	26.10
100		1	271	26.05	26.04	26.18	26.00
100	QPSK	135	0	25.40	25.30	25.42	25.21
100		135	69	26.11	26.13	26.26	26.07
100		135	138	25.42	25.25	25.46	25.30
100		270	0	25.43	25.29	25.49	25.28
100	16QAM	1	1	25.20	25.16	25.26	25.11
100	64QAM	1	1	24.39	24.25	24.48	24.25
100	256QAM	1	1	22.30	22.13	22.32	22.17
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	26.25	26.11	26.30	26.18
Channel				649334	655334	661334	662000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	26.17	26.13	26.20	26.12
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	26.22	26.21	26.18	26.09
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3949.98
60	PI2 BPSK	1	1	26.17	26.17	26.20	26.17
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	26.21	26.15	26.19	26.10
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	26.23	26.08	26.26	26.12
Channel				647668	654600	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	26.21	26.21	26.17	26.14
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	26.17	26.21	26.30	26.17
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	26.27	26.14	26.26	26.16
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	26.25	26.11	26.30	26.09
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	26.21	26.09	26.23	26.11

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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					633332		
Frequency (MHz)					3499.98		
100	PI2 BPSK	1	1	23.22	22.93	24.00	24.00
100		1	137	22.93	22.95	24.00	24.00
100		1	271	22.95	22.81	24.00	24.00
100		135	0	22.81	23.01	23.50	23.50
100		135	69	23.01	22.38	24.00	24.00
100		135	138	22.38	21.82	23.50	23.50
100		270	0	22.34	22.05	23.50	23.50
100		1	1	23.12	20.43	21.50	21.50
100		1	137	22.77	18.57	19.50	19.50
100		1	271	22.93			
100		135	0	21.96			
100	QPSK	135	69	22.94			
100		135	138	21.95			
100		270	0	21.82			
100		19QAM	1	1	22.05		
100	64QAM	1	1	20.43			
100	256QAM	1	1	18.57			
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	23.15	23.20	23.16	24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	23.11	23.19	23.07	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	23.14	23.11	23.12	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI2 BPSK	1	1	23.10	23.10	23.05	24.00
Channel				631666	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3505	
50	PI2 BPSK	1	1	23.01	23.14	23.16	24.00
Channel				631334	633332	633332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	23.03	23.19	23.04	24.00
Channel				631000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	23.00	23.19	23.14	24.00
Channel				630634	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	23.02	23.08	23.07	24.00
Channel				630668	633332	633600	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	23.09	23.10	23.12	24.00
Channel				630500	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	23.11	23.07	23.06	24.00
Channel				630334	633332	633332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	23.01	23.11	23.08	24.00

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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					633332		
Frequency (MHz)					3498.98		
100	Pi/2 BPSK	1	1		26.11		27.00
100		1	137		25.97		27.00
100		1	271		25.95		27.00
100		135	0		25.98		26.50
100		135	69		25.98		27.00
100		135	138		25.84		26.50
100		270	0		25.93		26.50
100		1	1		26.01		27.00
100		1	137		25.80		27.00
100		1	271		25.82		27.00
100		QPSK	135	0		25.95	
100	135		69		25.90		27.00
100	135		138		25.96		26.00
100	270		0		26.00		25.00
100	16QAM	1	1		25.88		26.00
100	64QAM	1	1		24.39		24.50
100	256QAM	1	1		21.92		22.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3498.98	3504.99	
90	Pi/2 BPSK	1	1	26.05	26.10	26.01	27.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3498.98	3510	
80	Pi/2 BPSK	1	1	25.92	26.01	25.98	27.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3498.98	3514.98	
70	Pi/2 BPSK	1	1	25.91	25.97	25.91	27.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3498.98	3510.99	
60	Pi/2 BPSK	1	1	25.98	26.02	25.94	27.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3498.98	3502	
50	Pi/2 BPSK	1	1	26.01	26.02	25.94	27.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3498.98	3509.98	
40	Pi/2 BPSK	1	1	25.95	26.08	25.90	27.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3498.98	3504.99	
30	Pi/2 BPSK	1	1	26.01	25.96	25.96	27.00
Channel				630668	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3498.98	3507.48	
25	Pi/2 BPSK	1	1	26.04	25.98	25.89	27.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3498.98	3500	
20	Pi/2 BPSK	1	1	25.95	25.98	25.96	27.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3498.98	3502.49	
15	Pi/2 BPSK	1	1	25.93	26.08	25.90	27.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.51	3498.98	3504.98	
10	Pi/2 BPSK	1	1	25.91	25.96	25.99	27.00

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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				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	23.22	23.02		24.00
100		1	137	23.06			24.00
100		1	271	23.07			24.00
100		135	0	22.81			23.50
100		135	69	23.14			24.00
100		135	138	22.82			23.50
100		270	0	22.51			23.50
100		1	1	23.20			24.00
100		1	137	23.16			24.00
100		1	271	23.19			24.00
QPSK							
100	QPSK	135	0	22.31			23.00
100		135	69	23.10			24.00
100		135	138	22.25			23.00
100		270	0	22.21			23.00
100	16QAM	1	1	22.15			23.00
100	64QAM	1	1	20.64			21.50
100	256QAM	1	1	18.61			19.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dbm)
90	Pi/2 BPSK	1	1	23.10	23.17	23.08	24.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dbm)
80	Pi/2 BPSK	1	1	23.06	23.11	23.00	24.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dbm)
70	Pi/2 BPSK	1	1	22.98	23.09	23.03	24.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	Tune-up Limit (dbm)
60	Pi/2 BPSK	1	1	22.87	23.05	22.94	24.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dbm)
50	Pi/2 BPSK	1	1	23.01	23.11	23.03	24.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dbm)
40	Pi/2 BPSK	1	1	23.01	23.10	22.97	24.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	Tune-up Limit (dbm)
30	Pi/2 BPSK	1	1	23.04	23.12	23.05	24.00
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dbm)
25	Pi/2 BPSK	1	1	23.06	23.07	22.94	24.00
Channel				647000	650000	652998	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up Limit (dbm)
20	Pi/2 BPSK	1	1	23.03	23.11	23.02	24.00
Channel				646718	650000	652812	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dbm)
15	Pi/2 BPSK	1	1	23.02	23.11	22.98	24.00
Channel				646400	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dbm)
10	Pi/2 BPSK	1	1	22.99	23.09	22.98	24.00

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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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		26.21		27.00
100		1	137		25.98		27.00
100		1	271		25.96		27.00
100		135	0		25.84		26.50
100		135	69		26.18		27.00
100		135	138		25.88		26.50
100		270	0		25.59		26.50
100		1	1		26.17		27.00
100		1	137		26.18		27.00
100		1	271		26.06		27.00
QPSK							
100	QPSK	135	0		25.28		26.00
100		135	69		26.12		27.00
100		135	138		25.41		26.00
100		270	0		25.35		26.00
100	16QAM	1	1		25.12		26.00
100	64QAM	1	1		24.43		24.50
100	256QAM	1	1		22.28		22.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	26.13		26.10	27.00
Channel				648334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	26.12	26.07	25.95	27.00
Channel				649000	650000	651000	
Frequency (MHz)				3740	3750	3760	
70	Pi/2 BPSK	1	1	26.07	26.06	25.96	27.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	26.00	26.14	25.97	27.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	26.08	26.13	26.00	27.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	26.00	26.12	26.00	27.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	26.08	26.14	26.00	27.00
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	26.08	26.09	26.07	27.00
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	26.06	26.13	26.02	27.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.32	3750	3792.68	
15	Pi/2 BPSK	1	1	26.02	26.09	27.00	27.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	26.08	26.09	25.95	27.00

<FR1 n77 (27Q) Ant 5_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				633300	633332	633666	22.50
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1		21.31		
100		1	137		21.22		22.50
100		1	271		21.17		22.50
100		135	0		21.26		22.50
100		135	69		21.28		22.50
100		135	138		21.19		22.50
100	QPSK	270	0		21.25		22.50
100		1	1		21.13		22.50
100		1	137		21.16		22.50
100		1	271		21.24		22.50
100		135	0		21.18		22.50
100		135	69		21.22		22.50
100	16QAM	1	1		21.21		22.50
100		1	1		21.24		22.50
100	64QAM	1	1		21.19		22.50
100	256QAM	1	1		20.85		21.50
100					18.84		19.50
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1		21.24	21.26	22.50
Channel				632688	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1		21.17	21.22	22.50
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		21.10	21.14	22.50
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	Pi/2 BPSK	1	1		21.16	21.16	22.50
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		21.13	21.17	22.50
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		21.22	21.23	22.50
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		21.12	21.20	22.50
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1		21.14	21.27	22.50
Channel				630666	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		21.19	21.24	22.50
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		21.15	21.22	22.50
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		21.22	21.20	22.50

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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				633300	633332	633666	25.50
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1		24.33		25.50
100		1	137		24.29		25.50
100		1	271		24.16		25.50
100		135	0		24.27		25.50
100		135	69		24.31		25.50
100		135	138		24.22		25.50
100	QPSK	270	0		24.27		25.50
100		1	1		24.25		25.50
100		1	137		24.22		25.50
100		1	271		24.25		25.50
100		135	0		24.25		25.50
100		135	69		24.14		25.50
100	16QAM	1	1		24.27		25.50
100		1	1		24.23		25.50
100	64QAM	1	1		24.27		25.50
100	256QAM	1	1		24.24		25.50
100					22.47		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1		24.23	24.25	25.50
Channel				632688	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1		24.20	24.15	25.50
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1		24.17	24.17	25.50
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	Pi/2 BPSK	1	1		24.08	24.13	25.50
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1		24.13	24.18	25.50
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1		24.19	24.21	25.50
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1		24.21	24.25	25.50
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1		24.17	24.24	25.50
Channel				630666	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1		24.16	24.24	25.50
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1		24.12	24.20	25.50
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1		24.11	24.17	25.50

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P12 BPSK	1	1	21.28	21.31	21.35	22.50
100		1	137	21.09	21.02	21.19	22.50
100		1	271	21.07	21.10	21.22	22.50
100		135	0	21.05	21.08	21.23	22.50
100		135	69	21.25	21.30	21.33	22.50
100		135	138	21.00	21.04	21.17	22.50
100		270	0	21.15	21.12	21.28	22.50
100		1	1	21.08	21.14	21.28	22.50
100		1	137	21.06	21.13	21.22	22.50
100		1	271	21.06	21.15	21.27	22.50
100	QPSK	135	0	21.05	21.18	21.23	22.50
100		135	69	21.02	21.11	21.17	22.50
100		135	138	21.11	21.14	21.23	22.50
100		270	0	20.99	21.11	21.21	22.50
100	16QAM	1	1	20.98	21.08	21.17	22.50
100	64QAM	1	1	20.54	20.82	20.97	21.50
100	256QAM	1	1	18.68	18.85	18.98	19.50
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P12 BPSK	1	1	21.21	21.28	21.21	22.50
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P12 BPSK	1	1	21.18	21.25	21.21	22.50
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P12 BPSK	1	1	21.27	21.17	21.33	22.50
Channel				648668	655000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P12 BPSK	1	1	21.20	21.21	21.30	22.50
Channel				648334	654834	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P12 BPSK	1	1	21.18	21.21	21.28	22.50
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P12 BPSK	1	1	21.22	21.22	21.27	22.50
Channel				647668	654668	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P12 BPSK	1	1	21.17	21.22	21.32	22.50
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P12 BPSK	1	1	21.23	21.30	21.20	22.50
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P12 BPSK	1	1	21.22	21.23	21.27	22.50
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P12 BPSK	1	1	21.14	21.20	21.24	22.50
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P12 BPSK	1	1	21.23	21.27	21.27	22.50

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P12 BPSK	1	1	24.26	24.31	24.34	25.50
100		1	137	24.08	24.09	24.21	25.50
100		1	271	24.02	24.02	24.13	25.50
100		135	0	23.96	24.08	24.17	25.50
100		135	69	24.29	24.24	24.32	25.50
100		135	138	24.02	24.10	24.21	25.50
100		270	0	24.14	24.15	24.29	25.50
100		1	1	24.02	24.06	24.20	25.50
100		1	137	24.06	24.03	24.18	25.50
100		1	271	23.97	24.09	24.17	25.50
100	QPSK	135	0	24.06	24.15	24.28	25.50
100		135	69	24.01	24.01	24.16	25.50
100		135	138	24.11	24.13	24.24	25.50
100		270	0	24.12	24.10	24.23	25.50
100	16QAM	1	1	24.19	24.18	24.29	25.50
100	64QAM	1	1	24.10	24.12	24.23	25.50
100	256QAM	1	1	21.88	22.01	22.24	23.00
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P12 BPSK	1	1	24.22	24.22	24.27	25.50
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P12 BPSK	1	1	24.16	24.28	24.27	25.50
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P12 BPSK	1	1	24.12	24.24	24.26	25.50
Channel				648668	655000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P12 BPSK	1	1	24.12	24.19	24.26	25.50
Channel				648334	654834	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P12 BPSK	1	1	24.19	24.25	24.25	25.50
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P12 BPSK	1	1	24.12	24.17	24.20	25.50
Channel				647668	654668	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P12 BPSK	1	1	24.21	24.20	24.19	25.50
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P12 BPSK	1	1	24.16	24.27	24.29	25.50
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P12 BPSK	1	1	24.14	24.20	24.23	25.50
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P12 BPSK	1	1	24.23	24.24	24.23	25.50
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P12 BPSK	1	1	24.22	24.22	24.30	25.50

<FR1 n78 (27Q, Ant 5, DSI 6)>

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	Pi/2 BPSK	1	1	21.24	21.24	22.50	22.50
100		1	137	21.07	21.07	22.50	22.50
100		1	271	21.06	21.06	22.50	22.50
100		135	0	21.21	21.21	22.50	22.50
100		135	69	21.22	21.22	22.50	22.50
100		135	138	21.12	21.12	22.50	22.50
100		270	0	21.06	21.06	22.50	22.50
100		1	1	20.99	20.99	22.50	22.50
100		1	137	21.01	21.01	22.50	22.50
100		1	271	21.16	21.16	22.50	22.50
100	QPSK	135	0	21.15	21.15	22.50	22.50
100		135	69	21.16	21.16	22.50	22.50
100		135	138	21.09	21.09	22.50	22.50
100		270	0	21.15	21.15	22.50	22.50
100	16QAM	1	1	21.06	21.06	22.50	22.50
100	64QAM	1	1	20.69	20.69	21.50	21.50
100	256QAM	1	1	18.68	18.68	19.50	19.50
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	21.20	21.22	21.16	22.50
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	21.18	21.20	21.12	22.50
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	21.18	21.18	21.15	22.50
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	21.16	21.19	21.04	22.50
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	21.15	21.16	21.11	22.50
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	21.16	21.06	21.07	22.50
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	21.09	21.18	21.13	22.50
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	21.06	21.06	21.06	22.50
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	21.12	21.13	21.13	22.50
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	21.08	21.20	21.09	22.50
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	21.14	21.16	21.07	22.50

<FR1 n78 (27Q, HPUE, Ant 5, DSI 6)>

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	Pi/2 BPSK	1	1	24.24	24.24	25.50	25.50
100		1	137	24.12	24.12	25.50	25.50
100		1	271	24.07	24.07	25.50	25.50
100		135	0	24.12	24.12	25.50	25.50
100		135	69	24.14	24.14	25.50	25.50
100		135	138	24.09	24.09	25.50	25.50
100		270	0	24.17	24.17	25.50	25.50
100		1	1	24.18	24.18	25.50	25.50
100		1	137	24.08	24.08	25.50	25.50
100		1	271	24.12	24.12	25.50	25.50
100	QPSK	135	0	24.13	24.13	25.50	25.50
100		135	69	23.98	23.98	25.50	25.50
100		135	138	24.19	24.19	25.50	25.50
100		270	0	24.13	24.13	25.50	25.50
100	16QAM	1	1	24.16	24.16	25.50	25.50
100	64QAM	1	1	24.21	24.21	25.50	25.50
100	256QAM	1	1	22.31	22.31	24.00	24.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	24.16	24.16	25.50	25.50
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	24.15	24.17	24.08	25.50
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	24.03	24.05	24.14	25.50
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	24.07	24.17	24.17	25.50
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	24.08	24.06	24.09	25.50
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	24.08	24.12	24.16	25.50
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	24.14	24.19	24.14	25.50
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	24.04	24.17	24.09	25.50
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	24.02	24.17	24.09	25.50
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	24.12	24.18	24.17	25.50
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	24.14	24.12	24.17	25.50

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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				650000			
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	21.27			22.50
100		1	137	21.11			22.50
100		1	271	21.15			22.50
100		135	0	21.11			22.50
100		135	69	21.24			22.50
100		135	138	21.06			22.50
100		270	0	21.10			22.50
100		1	1	21.15			22.50
100		1	137	21.16			22.50
100		1	271	21.16			22.50
QPSK							
100		135	0	21.19			22.50
100		135	69	21.06			22.50
100		135	138	21.09			22.50
100		270	0	21.09			22.50
100	16QAM	1	1	21.09			22.50
100	64QAM	1	1	20.89			21.50
100	256QAM	1	1	18.81			19.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	21.20	21.23	21.16	22.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	21.08	21.19	21.07	22.50
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	21.15	21.21	21.07	22.50
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	21.18	21.21	21.13	22.50
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	21.11	21.22	21.03	22.50
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	21.16	21.19	21.06	22.50
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	21.16	21.14	21.13	22.50
Channel				647334	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	21.15	21.18	21.13	22.50
Channel				647000	650000	652666	
Frequency (MHz)				3710.01	3750	3786.99	
20	Pi/2 BPSK	1	1	21.11	21.20	21.11	22.50
Channel				646668	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	21.13	21.15	21.06	22.50
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	21.18	21.14	21.08	22.50

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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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		24.29		25.50
100		1	137		24.05		25.50
100		1	271		24.01		25.50
100		135	0		24.09		25.50
100		135	69		24.23		25.50
100		135	138		24.13		25.50
100		270	0		24.27		25.50
100		1	1		24.18		25.50
100		1	137		24.00		25.50
100		1	271		24.00		25.50
100		QPSK	135	0		24.25	
100	135		69		24.05		25.50
100	135		138		24.10		25.50
100	270		0		24.19		25.50
100	16QAM	1	1		24.25		25.50
100	64QAM	1	1		24.18		25.50
100	256QAM	1	1		22.14		23.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	24.20	24.26	24.24	25.50
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	24.08	24.24	24.21	25.50
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	24.18	24.13	24.19	25.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	24.14	24.16	24.10	25.50
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	24.19	24.21	24.09	25.50
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	24.13	24.15	24.10	25.50
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	24.15	24.15	24.19	25.50
Channel				647334	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	24.06	24.18	24.17	25.50
Channel				647000	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3786.99	
20	Pi/2 BPSK	1	1	24.08	24.17	24.14	25.50
Channel				646668	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	24.08	24.21	24.14	25.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	24.12	24.17	24.14	25.50

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	20.19			21.20
100		1	137	20.13			21.20
100		1	271	20.16			21.20
100		135	0	20.14			21.20
100		135	69	20.16			21.20
100		135	138	20.08			21.20
100	QPSK	270	0	20.11			21.20
100		1	1	20.06			21.20
100		1	137	20.08			21.20
100		1	271	20.11			21.20
100		135	0	20.06			21.20
100		135	69	20.14			21.20
100	16QAM	1	1	20.18			21.20
100		135	138	20.07			21.20
100	64QAM	1	1	20.14			21.20
100	256QAM	1	1	20.07			21.00
				18.61			19.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	20.11	20.16	20.15	21.20
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	19.98	20.12	20.10	21.20
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	20.09	20.07	20.04	21.20
Channel				632000	633332	634666	
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	20.06	20.04	20.02	21.20
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	20.08	20.05	20.09	21.20
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	20.05	20.11	20.03	21.20
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	20.03	20.02	20.05	21.20
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	20.08	20.13	20.09	21.20
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	20.04	20.02	20.09	21.20
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	20.06	20.13	20.07	21.20
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	19.99	20.14	20.08	21.20

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	23.15			24.20
100		1	137	23.11			24.20
100		1	271	23.10			24.20
100		135	0	23.04			24.20
100		135	69	23.13			24.20
100		135	138	22.96			24.20
100	QPSK	270	0	23.11			24.20
100		1	1	23.07			24.20
100		1	137	23.13			24.20
100		1	271	23.10			24.20
100		135	0	23.10			24.20
100		135	69	23.13			24.20
100	16QAM	1	1	23.06			24.20
100		270	0	23.08			24.20
100	64QAM	1	1	23.01			24.20
100	256QAM	1	1	23.00			24.20
				22.25			22.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	23.08	23.12	23.11	24.20
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	22.94	23.05	23.04	24.20
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	23.06	23.00	23.09	24.20
Channel				632000	633332	634666	
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	23.06	23.00	23.03	24.20
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	22.93	23.08	22.98	24.20
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	23.00	23.00	23.06	24.20
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	23.04	23.09	23.07	24.20
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	23.03	23.02	23.04	24.20
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	22.97	23.04	23.05	24.20
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	22.97	23.06	23.08	24.20
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	22.97	23.05	23.07	24.20

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	PI2 BPSK	1	1	20.12	20.11	20.16	21.20
100		1	137	19.85	19.87	20.03	21.20
100		1	271	20.04	19.98	20.11	21.20
100		135	0	20.00	19.98	20.08	21.20
100		135	69	20.10	20.06	20.14	21.20
100		135	138	19.99	19.99	20.06	21.20
100		270	0	19.84	20.01	20.08	21.20
100		1	1	19.92	19.96	20.04	21.20
100		1	137	19.96	20.05	20.11	21.20
100		1	271	19.96	19.93	20.09	21.20
100	QPSK	135	0	19.94	20.00	20.08	21.20
100		135	69	19.91	19.94	20.05	21.20
100		135	138	19.98	20.01	20.15	21.20
100		270	0	19.86	19.92	20.00	21.20
100	16QAM	1	1	19.97	20.08	20.15	21.20
100	64QAM	1	1	19.90	19.92	20.02	21.20
100	256QAM	1	1	18.42	18.39	18.58	19.50
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	PI2 BPSK	1	1	19.68	20.02	20.09	21.20
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	PI2 BPSK	1	1	19.99	20.06	20.06	21.20
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	PI2 BPSK	1	1	20.04	19.98	20.11	21.20
Channel				648668	655000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	PI2 BPSK	1	1	20.11	20.07	20.14	21.20
Channel				648334	654834	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	PI2 BPSK	1	1	20.09	20.02	20.06	21.20
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	PI2 BPSK	1	1	20.03	19.99	20.04	21.20
Channel				647668	654500	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	PI2 BPSK	1	1	19.99	20.10	20.08	21.20
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	PI2 BPSK	1	1	20.05	19.98	20.01	21.20
Channel				647284	654294	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	PI2 BPSK	1	1	20.07	20.05	20.07	21.20
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	PI2 BPSK	1	1	20.00	20.01	20.06	21.20
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	PI2 BPSK	1	1	20.04	20.08	20.06	21.20

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	PI2 BPSK	1	1	23.09	23.11	23.16	24.20
100		1	137	22.86	22.87	23.07	24.20
100		1	271	22.92	22.99	23.11	24.20
100		135	0	22.93	22.92	23.07	24.20
100		135	69	23.06	23.10	23.14	24.20
100		135	138	22.97	22.99	23.09	24.20
100		270	0	22.95	22.99	23.11	24.20
100		1	1	23.01	22.99	23.10	24.20
100		1	137	22.95	22.99	23.07	24.20
100		1	271	22.99	23.09	23.15	24.20
100	QPSK	135	0	22.92	22.95	23.10	24.20
100		135	69	22.96	22.98	23.13	24.20
100		135	138	22.95	22.99	23.07	24.20
100		270	0	22.95	23.00	23.07	24.20
100	16QAM	1	1	22.79	22.85	23.00	24.20
100	64QAM	1	1	22.93	22.82	23.02	24.20
100	256QAM	1	1	21.36	21.45	21.47	22.50
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	PI2 BPSK	1	1	23.03	23.01	23.04	24.20
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	PI2 BPSK	1	1	23.00	23.07	23.09	24.20
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	PI2 BPSK	1	1	23.04	23.02	23.11	24.20
Channel				648668	655000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	PI2 BPSK	1	1	23.02	23.05	23.15	24.20
Channel				648334	654834	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	PI2 BPSK	1	1	23.04	22.97	23.12	24.20
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	PI2 BPSK	1	1	23.07	23.05	23.05	24.20
Channel				647668	654500	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	PI2 BPSK	1	1	23.00	22.97	23.07	24.20
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	PI2 BPSK	1	1	23.04	23.08	23.07	24.20
Channel				647284	654294	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	PI2 BPSK	1	1	23.01	23.07	23.11	24.20
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	PI2 BPSK	1	1	23.05	22.99	23.11	24.20
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	PI2 BPSK	1	1	22.98	23.00	23.08	24.20

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	20.19			21.20
100		1	137	20.07			21.20
100		1	271	20.06			21.20
100		135	0	20.01			21.20
100		135	69	20.07			21.20
100		135	138	19.97			21.20
100		270	0	19.95			21.20
100		1	1	20.00			21.20
100		1	137	19.93			21.20
100		1	271	20.04			21.20
100	QPSK	135	0	19.88			21.20
100		135	69	20.03			21.20
100		135	138	19.99			21.20
100		270	0	19.92			21.20
100	16QAM	1	1	20.09			21.20
100	64QAM	1	1	20.00			21.00
100	256QAM	1	1	18.45			19.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	3495	3499.98	3504.99	21.20
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	3490.02	3499.98	3510	21.20
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	3485.01	3499.98	3514.98	21.20
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	3480.02	3499.98	3510	21.20
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	3475.02	3499.98	3525	21.20
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	3470.01	3499.98	3529.98	21.20
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	3465.01	3499.98	3534.99	21.20
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	3460.01	3499.98	3537.48	21.20
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	3455.01	3499.98	3544.98	21.20
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	3450.01	3499.98	3547.49	21.20
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	3445.01	3499.98	3549.98	21.20

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	23.11			24.20
100		1	137	22.95			24.20
100		1	271	22.98			24.20
100		135	0	23.00			24.20
100		135	69	23.08			24.20
100		135	138	22.92			24.20
100		270	0	23.02			24.20
100		1	1	22.90			24.20
100		1	137	22.98			24.20
100		1	271	22.98			24.20
100	QPSK	135	0	23.04			24.20
100		135	69	23.00			24.20
100		135	138	22.92			24.20
100		270	0	23.01			24.20
100	16QAM	1	1	22.94			24.20
100	64QAM	1	1	22.97			24.20
100	256QAM	1	1	22.15			22.50
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	3495	3499.98	3504.99	24.20
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	3490.02	3499.98	3510	24.20
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	3485.01	3499.98	3514.98	24.20
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	3480.02	3499.98	3510	24.20
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	3475.02	3499.98	3525	24.20
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	3470.01	3499.98	3529.98	24.20
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	3465.01	3499.98	3534.99	24.20
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	3460.01	3499.98	3537.48	24.20
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	3455.01	3499.98	3544.98	24.20
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	3450.01	3499.98	3547.49	24.20
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	3445.01	3499.98	3549.98	24.20

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	20.07			21.20
100		1	137	19.93			21.20
100		1	271	19.94			21.20
100		135	0	20.03			21.20
100		135	69	20.04			21.20
100		135	138	20.01			21.20
100		270	0	20.02			21.20
100		1	1	19.91			21.20
100		1	137	20.01			21.20
100		1	271	19.97			21.20
100	QPSK	135	0	19.94			21.20
100		135	69	19.94			21.20
100		135	138	20.02			21.20
100		270	0	19.93			21.20
100	16QAM	1	1	19.99			21.20
100	64QAM	1	1	19.93			21.20
100	256QAM	1	1	18.54			19.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.99	20.03	19.87	21.20
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.97	20.01	19.81	21.20
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.84	19.92	19.85	21.20
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	19.93	19.92	19.75	21.20
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.87	19.92	19.77	21.20
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.87	19.85	19.82	21.20
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.93	20.01	19.85	21.20
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.86	19.97	19.75	21.20
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3780.99	
20	Pi/2 BPSK	1	1	19.85	19.93	19.72	21.20
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.87	20.00	19.84	21.20
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.92	19.91	19.77	21.20

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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							
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		23.08		24.20
100		1	137		23.03		24.20
100		1	271		22.97		24.20
100		135	0		23.03		24.20
100		135	69		23.06		24.20
100		135	138		22.93		24.20
100		270	0		22.99		24.20
100		1	1		23.06		24.20
100		1	137		22.96		24.20
100		1	271		23.02		24.20
100	QPSK	135	0		22.93		24.20
100		135	69		22.95		24.20
100		135	138		22.91		24.20
100		270	0		22.97		24.20
100	16QAM	1	1		22.93		24.20
100	64QAM	1	1		22.94		24.20
100	256QAM	1	1		21.44		22.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	22.99	23.04	22.86	24.20
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	22.88	23.02	22.83	24.20
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.89	22.91	22.73	24.20
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	22.95	22.91	22.84	24.20
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.91	23.01	22.79	24.20
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	22.85	22.96	22.81	24.20
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.89	22.98	22.76	24.20
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.91	22.94	22.74	24.20
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3780.99	
20	Pi/2 BPSK	1	1	22.98	22.94	22.72	24.20
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.92	22.99	22.84	24.20
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.85	22.98	22.84	24.20

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	21.69	21.69	22.40	25.40
100		1	137	21.67	21.67	22.40	25.40
100		1	271	21.58	21.58	22.40	25.40
100		135	0	21.53	21.53	22.40	25.40
100		135	69	21.66	21.66	22.40	25.40
100	QPSK	135	138	21.65	21.65	22.40	25.40
100		270	0	21.62	21.62	22.40	25.40
100		1	1	21.54	21.54	22.40	25.40
100		1	137	21.66	21.66	22.40	25.40
100		1	271	21.56	21.56	22.40	25.40
100	16QAM	135	0	21.59	21.59	22.40	25.40
100		135	69	21.63	21.63	22.40	25.40
100		135	138	21.65	21.65	22.40	25.40
100	64QAM	1	1	21.60	21.60	22.40	25.40
100	256QAM	1	1	21.62	21.62	22.40	25.40
100	64QAM	1	1	21.19	21.19	21.50	25.40
100	256QAM	1	1	19.17	19.17	19.50	25.40
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	21.63	21.66	21.51	22.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	21.51	21.51	21.53	22.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	21.50	21.56	21.52	22.40
Channel				632000	633332	634666	
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	21.56	21.63	21.53	22.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	21.58	21.52	21.56	22.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	21.64	21.55	21.59	22.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	21.56	21.61	21.60	22.40
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	21.52	21.56	21.48	22.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	21.50	21.52	21.52	22.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	21.49	21.64	21.57	22.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	21.60	21.62	21.54	22.40

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	24.55	24.55	25.40	25.40
100		1	137	24.53	24.53	25.40	25.40
100		1	271	24.39	24.39	25.40	25.40
100		135	0	24.43	24.43	25.40	25.40
100		135	69	24.54	24.54	25.40	25.40
100	QPSK	135	138	24.53	24.53	25.40	25.40
100		270	0	24.45	24.45	25.40	25.40
100		1	1	24.45	24.45	25.40	25.40
100		1	137	24.39	24.39	25.40	25.40
100		1	271	24.50	24.50	25.40	25.40
100	16QAM	135	0	24.43	24.43	25.40	25.40
100		135	69	24.48	24.48	25.40	25.40
100		135	138	24.46	24.46	25.40	25.40
100	64QAM	1	1	24.40	24.40	25.40	25.40
100	256QAM	1	1	24.52	24.52	25.40	25.40
100	64QAM	1	1	24.47	24.47	25.40	25.40
100	256QAM	1	1	22.78	22.78	24.00	25.40
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	24.46	24.51	24.48	25.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	24.36	24.46	24.36	25.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	24.32	24.46	24.37	25.40
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3518.99	
60	PI2 BPSK	1	1	24.40	24.36	24.36	25.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	24.33	24.43	24.33	25.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	24.45	24.46	24.38	25.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	24.44	24.37	24.40	25.40
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	24.35	24.43	24.39	25.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	24.44	24.30	24.34	25.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	24.33	24.38	24.37	25.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	24.43	24.44	24.39	25.40

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P1/2 BPSK	1	1	21.58	21.62	21.66	22.40
100		1	137	21.47	21.47	21.61	22.27
100		1	271	21.51	21.52	21.64	21.30
100		135	0	21.43	21.47	21.80	21.38
100		135	69	21.58	21.58	21.63	21.39
100		135	138	21.49	21.53	21.63	21.34
100		270	0	21.42	21.41	21.60	21.31
100		1	1	21.41	21.45	21.54	21.22
100		1	137	21.53	21.45	21.62	21.33
100		1	271	21.43	21.54	21.62	21.35
100	QPSK	135	0	21.45	21.58	21.64	21.39
100		135	69	21.51	21.58	21.61	21.26
100		135	138	21.45	21.50	21.56	21.25
100		270	0	21.46	21.48	21.62	21.29
100	16QAM	1	1	21.38	21.54	21.80	21.31
100	64QAM	1	1	20.76	20.71	20.80	20.47
100	256QAM	1	1	18.94	18.86	18.97	18.67
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P1/2 BPSK	1	1	21.52	21.58	21.62	22.40
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P1/2 BPSK	1	1	21.51	21.61	21.61	21.30
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P1/2 BPSK	1	1	21.54	21.48	21.55	21.24
Channel				648668	650000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P1/2 BPSK	1	1	21.40	21.54	21.54	21.29
Channel				648334	654934	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P1/2 BPSK	1	1	21.43	21.49	21.65	21.29
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P1/2 BPSK	1	1	21.44	21.55	21.52	21.22
Channel				647668	654600	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P1/2 BPSK	1	1	21.58	21.52	21.55	21.25
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P1/2 BPSK	1	1	21.54	21.61	21.63	21.27
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P1/2 BPSK	1	1	21.52	21.48	21.58	21.22
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P1/2 BPSK	1	1	21.50	21.55	21.58	21.29
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P1/2 BPSK	1	1	21.54	21.51	21.51	21.24

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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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	
100	P1/2 BPSK	1	1	24.61	24.63	24.67	24.44
100		1	137	24.50	24.49	24.59	24.29
100		1	271	24.46	24.37	24.54	24.27
100		135	0	24.48	24.44	24.57	24.24
100		135	69	24.63	24.61	24.66	24.43
100		135	138	24.49	24.45	24.60	24.34
100		270	0	24.53	24.57	24.65	24.30
100		1	1	24.47	24.44	24.59	24.27
100		1	137	24.38	24.47	24.59	24.35
100		1	271	24.52	24.49	24.60	24.29
100	QPSK	135	0	24.44	24.55	24.63	24.32
100		135	69	24.39	24.38	24.55	24.28
100		135	138	24.37	24.49	24.58	24.35
100		270	0	24.50	24.52	24.59	24.28
100	16QAM	1	1	23.98	24.09	24.20	23.95
100	64QAM	1	1	22.04	22.12	22.21	21.99
100	256QAM	1	1	22.04	22.12	22.21	21.99
Channel				649668	655500	661334	
Frequency (MHz)				3745.02	3832.5	3920.01	
90	P1/2 BPSK	1	1	24.55	24.62	24.60	24.43
Channel				649334	653334	661334	
Frequency (MHz)				3740.01	3830.01	3920.01	
80	P1/2 BPSK	1	1	24.48	24.52	24.59	24.34
Channel				649000	655168	661334	
Frequency (MHz)				3735	3827.52	3920.01	
70	P1/2 BPSK	1	1	24.47	24.57	24.60	24.40
Channel				648668	650000	661334	
Frequency (MHz)				3730.02	3825	3920.01	
60	P1/2 BPSK	1	1	24.54	24.59	24.52	24.41
Channel				648334	654934	661334	
Frequency (MHz)				3725.01	3822.51	3920.01	
50	P1/2 BPSK	1	1	24.53	24.57	24.60	24.33
Channel				648000	654668	661334	
Frequency (MHz)				3720	3820.02	3920.01	
40	P1/2 BPSK	1	1	24.51	24.54	24.59	24.43
Channel				647668	654600	661334	
Frequency (MHz)				3715.02	3817.5	3920.01	
30	P1/2 BPSK	1	1	24.47	24.57	24.63	24.40
Channel				647500	654418	661334	
Frequency (MHz)				3712.5	3816.27	3920.01	
25	P1/2 BPSK	1	1	24.47	24.51	24.65	24.34
Channel				647334	654334	661334	
Frequency (MHz)				3710.01	3815.01	3920.01	
20	P1/2 BPSK	1	1	24.50	24.59	24.60	24.37
Channel				647168	654250	661334	
Frequency (MHz)				3707.52	3813.75	3920.01	
15	P1/2 BPSK	1	1	24.57	24.58	24.61	24.41
Channel				647000	654168	661334	
Frequency (MHz)				3705	3812.52	3920.01	
10	P1/2 BPSK	1	1	24.59	24.55	24.55	24.40

<FR1 n78 (27Q) Ant 8 DSI 6>

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			
Frequency (MHz)				3499.98			
100	Pi/2 BPSK	1	1	21.65	21.65	21.65	22.40
100		1	137	21.64	21.64	21.64	22.40
100		1	271	21.54	21.54	21.54	22.40
100		135	0	21.42	21.42	21.42	22.40
100		135	69	21.62	21.62	21.62	22.40
100		135	138	21.60	21.60	21.60	22.40
100		270	0	21.47	21.47	21.47	22.40
100		1	1	21.51	21.51	21.51	22.40
100		1	137	21.60	21.60	21.60	22.40
100		1	271	21.41	21.41	21.41	22.40
100		QPSK	135	0	21.46	21.46	21.46
100	135		69	21.55	21.55	21.55	22.40
100	135		138	21.63	21.63	21.63	22.40
100	270		0	21.44	21.44	21.44	22.40
100	16QAM	1	1	21.50	21.50	21.50	22.40
100	64QAM	1	1	21.02	21.02	21.02	21.50
100	256QAM	1	1	19.11	19.11	19.11	19.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	21.53	21.60	21.58	22.40
Channel				630666	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	21.47	21.48	21.55	22.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	21.39	21.47	21.55	22.40
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	21.44	21.47	21.56	22.40
Channel				631666	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	21.39	21.46	21.49	22.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	21.52	21.51	21.48	22.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3531.99	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	21.41	21.46	21.46	22.40
Channel				630634	633332	635882	
Frequency (MHz)				3462.51	3499.98	3537.48	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	21.50	21.56	21.49	22.40
Channel				630666	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	21.43	21.51	21.52	22.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.19	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	21.38	21.57	21.54	22.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	21.40	21.51	21.57	22.40

<FR1 n78 (27Q) HPUE Ant 8 DSI 6>

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)				633332	3498.98		
100	Pi/2 BPSK	1	1		24.48		25.40
100		1	137		24.43		25.40
100		1	271		24.33		25.40
100		135	0		24.38		25.40
100		135	69		24.46		25.40
100		135	138		24.44		25.40
100		270	0		24.34		25.40
100		1	1		24.37		25.40
100		1	137		24.30		25.40
100		1	271		24.42		25.40
100		QPSK	135	0		24.38	
100	135		69		24.33		25.40
100	135		138		24.44		25.40
100	270		0		24.35		25.40
100	16QAM	1	1		24.46		25.40
100	64QAM	1	1		24.36		25.40
100	256QAM	1	1		22.73		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3498.98	3504.99	
90	Pi/2 BPSK	1	1	24.38	24.43	24.48	25.40
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3498.98	3510	
80	Pi/2 BPSK	1	1	24.34	24.42	24.31	25.40
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3498.98	3514.98	
70	Pi/2 BPSK	1	1	24.30	24.32	24.28	25.40
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3498.98	3519.99	
60	Pi/2 BPSK	1	1	24.36	24.41	24.30	25.40
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3498.98	3526	
50	Pi/2 BPSK	1	1	24.38	24.36	24.27	25.40
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3498.98	3529.98	
40	Pi/2 BPSK	1	1	24.25	24.38	24.35	25.40
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3498.98	3534.99	
30	Pi/2 BPSK	1	1	24.25	24.33	24.31	25.40
Channel				630668	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3498.98	3537.48	
25	Pi/2 BPSK	1	1	24.38	24.31	24.31	25.40
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3498.98	3540	
20	Pi/2 BPSK	1	1	24.36	24.38	24.27	25.40
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3498.98	3542.49	
15	Pi/2 BPSK	1	1	24.31	24.32	24.36	25.40
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3498.98	3544.98	
10	Pi/2 BPSK	1	1	24.31	24.42	24.32	25.40

<FR1 n78 (270_Ant 8_DSI 6)>

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)				3750			
100	Pi/2 BPSK	1	1	21.62			22.40
100		1	137	21.50			22.40
100		1	271	21.55			22.40
100		135	0	21.42			22.40
100		135	69	21.59			22.40
100		135	138	21.55			22.40
100		270	0	21.50			22.40
100		1	1	21.51			22.40
100		1	137	21.58			22.40
100		1	271	21.48			22.40
100	QPSK	135	0	21.54			22.40
100		135	69	21.45			22.40
100		135	138	21.52			22.40
100		270	0	21.45			22.40
100	16QAM	1	1	21.51			22.40
100	64QAM	1	1	20.67			21.50
100	256QAM	1	1	18.88			19.50
Channel							
Frequency (MHz)				649668	650000	650332	
				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	21.55	21.58	21.43	22.40
Channel							
Frequency (MHz)				649334	650000	650666	
				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	21.49	21.54	21.42	22.40
Channel							
Frequency (MHz)				649000	650000	651000	
				3735	3750	3765	
70	Pi/2 BPSK	1	1	21.46	21.44	21.32	22.40
Channel							
Frequency (MHz)				648668	650000	651332	
				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	21.46	21.47	21.30	22.40
Channel							
Frequency (MHz)				648334	650000	651666	
				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	21.49	21.49	21.40	22.40
Channel							
Frequency (MHz)				648000	650000	652000	
				3720	3750	3780	
40	Pi/2 BPSK	1	1	21.51	21.48	21.51	22.40
Channel							
Frequency (MHz)				647668	650000	652332	
				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	21.49	21.53	21.38	22.40
Channel							
Frequency (MHz)				647334	650000	652666	
				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	21.45	21.51	21.30	22.40
Channel							
Frequency (MHz)				647000	650000	652666	
				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	21.48	21.51	21.34	22.40
Channel							
Frequency (MHz)				647168	650000	652832	
				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	21.49	21.49	21.40	22.40
Channel							
Frequency (MHz)				647000	650000	653000	
				3705	3750	3795	
10	Pi/2 BPSK	1	1	21.46	21.47	21.30	22.40

<FR1 n78 (270_HPUE_Ant 8_DSI 6)>

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)				3750			
100	Pi/2 BPSK	1	1	24.56			25.40
100		1	137	24.33			25.40
100		1	271	24.24			25.40
100		135	0	24.35			25.40
100		135	69	24.46			25.40
100		135	138	24.41			25.40
100		270	0	24.52			25.40
100		1	1	24.31			25.40
100		1	137	24.38			25.40
100		1	271	24.46			25.40
100	QPSK	135	0	24.42			25.40
100		135	69	24.29			25.40
100		135	138	24.51			25.40
100		270	0	24.40			25.40
100	16QAM	1	1	24.59			25.40
100	64QAM	1	1	24.06			25.40
100	256QAM	1	1	22.04			24.00
Channel							
Frequency (MHz)				649668	650000	650332	
				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	24.49	24.52	24.50	25.40
Channel							
Frequency (MHz)				649334	650000	650666	
				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	24.42	24.47	24.47	25.40
Channel							
Frequency (MHz)				649000	650000	651000	
				3735	3750	3765	
70	Pi/2 BPSK	1	1	24.43	24.50	24.40	25.40
Channel							
Frequency (MHz)				648668	650000	651332	
				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	24.44	24.45	24.39	25.40
Channel							
Frequency (MHz)				648334	650000	651666	
				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	24.40	24.49	24.48	25.40
Channel							
Frequency (MHz)				648000	650000	652000	
				3720	3750	3780	
40	Pi/2 BPSK	1	1	24.43	24.51	24.47	25.40
Channel							
Frequency (MHz)				647668	650000	652332	
				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	24.46	24.46	24.37	25.40
Channel							
Frequency (MHz)				647334	650000	652666	
				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	24.37	24.41	24.37	25.40
Channel							
Frequency (MHz)				647000	650000	652666	
				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	24.33	24.47	24.37	25.40
Channel							
Frequency (MHz)				647168	650000	652832	
				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	24.37	24.41	24.36	25.40
Channel							
Frequency (MHz)				647000	650000	653000	
				3705	3750	3795	
10	Pi/2 BPSK	1	1	24.39	24.42	24.40	25.40

<FR1 n14_Ant 0_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1		20.07		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

<FR1 n14_HPUE_Ant 0_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up Limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		26.32		27.00
10		1	26		26.26		27.00
10		1	50		26.13		27.00
10		25	0		25.77		26.50
10		25	14		26.26		27.00
10		25	27		25.72		26.50
10		50	0		25.78		26.50
10		1	1		26.22		27.00
10	QPSK	1	26		26.19		27.00
10		1	50		26.23		27.00
10		25	0		25.19		26.00
10		25	14		26.17		27.00
10		25	27		25.21		26.00
10		50	0		25.04		26.00
10		16QAM	1	1	25.07		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	26.21	26.25	26.23	27.00

<FR1 n71_Ant 0_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.41		24.00
35		1	90		23.25		24.00
35		1	186		23.22		24.00
35		90	0		23.38		24.00
35		90	45		23.39		24.00
35		90	90		23.35		24.00
35		180	0		23.33		24.00
35		1	1		23.24		24.00
35		1	90		23.16		24.00
35		1	186		23.22		24.00
35	QPSK	90	0		23.26		24.00
35		90	45		23.29		24.00
35		90	90		23.24		24.00
35		180	0		23.39		24.00
35		16QAM	1	1	23.15		24.00
35		64QAM	1	1	22.21		23.00
35	256QAM	1	1		20.27		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.31	23.36	23.33	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.17	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.23	23.25	23.25	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.25	23.34	23.24	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.24	23.20	23.25	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.20	23.29	23.26	24.00

<FR1 n71_HPUE_Ant 0_DSI 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		26.37		27.00
35		1	90		26.28		27.00
35		1	186		26.24		27.00
35		90	0		25.92		26.50
35		90	45		26.35		27.00
35		90	90		25.84		26.50
35		180	0		25.92		26.50
35		1	1		26.31		27.00
35		1	90		26.29		27.00
35		1	186		26.27		27.00
35	QPSK	90	0		25.36		26.00
35		90	45		26.26		27.00
35		90	90		25.26		26.00
35		180	0		25.17		26.00
35		16QAM	1	1	25.29		26.00
35		64QAM	1	1	23.70		24.50
35	256QAM	1	1		21.67		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.31	26.36	26.28	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.29	26.23	26.25	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.19	26.24	26.17	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.19	26.20	26.16	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.18	26.32	26.21	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.18	26.24	26.16	27.00

<FR1 n30_Ant 2_DSI 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					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.46		24.00
10		1	28		22.38		24.00
10		1	50		22.35		24.00
10		25	0		22.31		24.00
10		25	14		22.42		24.00
10		25	27		22.38		24.00
10		50	0		22.33		24.00
10		1	1		22.25		24.00
10		1	26		22.32		24.00
10		1	50		22.39		24.00
10	QPSK	25	0		22.33		24.00
10		25	14		22.30		24.00
10		25	27		22.31		24.00
10		50	0		22.31		24.00
10		16QAM	1	1	22.31		24.00
10		64QAM	1	1	22.29		24.00
10	256QAM	1	1		20.13		22.00
Channel				461500	462000	462500	Tune-up Limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.35	22.27	24.00

<FR1 n14_Ant 1_DSI 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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.37		24.00
10		1	26		23.30		24.00
10		1	50		23.26		24.00
10		25	0		23.30		24.00
10		25	14		23.35		24.00
10		25	27		23.23		24.00
10	QPSK	50	0		23.29		24.00
10		1	1		23.24		24.00
10		1	26		23.29		24.00
10		1	50		23.12		24.00
10		25	0		23.23		24.00
10		25	14		23.36		24.00
10	16QAM	25	27		23.30		24.00
10		50	0		23.23		24.00
10		1	1		23.22		24.00
10	64QAM	1	1		22.22		23.00
10	256QAM	1	1		20.16		21.00
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.31	23.35	23.32	24.00

<FR1 n14_HPUE_Ant 1_DSI 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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		24.28		25.50
10		1	26		24.25		25.50
10		1	50		24.15		25.50
10		25	0		24.20		25.50
10		25	14		24.25		25.50
10		25	27		24.16		25.50
10	QPSK	50	0		24.24		25.50
10		1	1		24.18		25.50
10		1	26		24.17		25.50
10		1	50		24.16		25.50
10		25	0		24.23		25.50
10		25	14		24.14		25.50
10	16QAM	25	27		24.27		25.50
10		50	0		24.24		25.50
10		1	1		24.19		25.50
10	64QAM	1	1		23.74		24.50
10	256QAM	1	1		21.71		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	24.23	24.26	24.25	25.50

<FR1 n30_Ant 1_DSI 3>

FRT 1300_AIR_T_US1_35								
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)						2310		
10	Pi/2 BPSK	1	1			19.48		21.20
10		1	26			19.38		21.20
10		1	50			19.34		21.20
10		25	0			19.29		21.20
10		25	14			19.41		21.20
10		25	27			19.37		21.20
10		50	0			19.31		21.20
10		1	1			19.40		21.20
10		1	26			19.41		21.20
10		1	50			19.33		21.20
10	QPSK	25	0			19.36		21.20
10		25	14			19.39		21.20
10		25	27			19.34		21.20
10		50	0			19.29		21.20
10		16QAM	1	1		19.33		21.20
10		64QAM	1	1		19.35		21.20
10	256QAM	1	1		19.46		21.20	
Channel					461500	462000	462500	Tune-up Limit
Frequency (MHz)					2307.5	2310	2312.5	(dBm)
5	Pi/2 BPSK	1	1	19.42	19.43	19.35	21.20	

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PR177-PR178-PR179-PR180-PR181-PR182-PR183-PR184-PR185-PR186-PR187-PR188-PR189-PR190-PR191-PR192-PR193-PR194-PR195-PR196-PR197-PR198-PR199-PR200-PR201-PR202-PR203-PR204-PR205-PR206-PR207-PR208-PR209-PR210-PR211-PR212-PR213-PR214-PR215-PR216-PR217-PR218-PR219-PR220-PR221-PR222-PR223-PR224-PR225-PR226-PR227-PR228-PR229-PR230-PR231-PR232-PR233-PR234-PR235-PR236-PR237-PR238-PR239-PR240-PR241-PR242-PR243-PR244-PR245-PR246-PR247-PR248-PR249-PR250-PR251-PR252-PR253-PR254-PR255-PR256-PR257-PR258-PR259-PR260-PR261-PR262-PR263-PR264-PR265-PR266-PR267-PR268-PR269-PR270-PR271-PR272-PR273-PR274-PR275-PR276-PR277-PR278-PR279-PR280-PR281-PR282-PR283-PR284-PR285-PR286-PR287-PR288-PR289-PR290-PR291-PR292-PR293-PR294-PR295-PR296-PR297-PR298-PR299-PR300-PR301-PR302-PR303-PR304-PR305-PR306-PR307-PR308-PR309-PR310-PR311-PR312-PR313-PR314-PR315-PR316-PR317-PR318-PR319-PR320-PR321-PR322-PR323-PR324-PR325-PR326-PR327-PR328-PR329-PR330-PR331-PR332-PR333-PR334-PR335-PR336-PR337-PR338-PR339-PR340-PR341-PR342-PR343-PR344-PR345-PR346-PR347-PR348-PR349-PR350-PR351-PR352-PR353-PR354-PR355-PR356-PR357-PR358-PR359-PR360-PR361-PR362-PR363-PR364-PR365-PR366-PR367-PR368-PR369-PR370-PR371-PR372-PR373-PR374-PR375-PR376-PR377-PR378-PR379-PR380-PR381-PR382-PR383-PR384-PR385-PR386-PR387-PR388-PR389-PR390-PR391-PR392-PR393-PR394-PR395-PR396-PR397-PR398-PR399-PR400-PR401-PR402-PR403-PR404-PR405-PR406-PR407-PR408-PR409-PR410-PR411-PR412-PR413-PR414-PR415-PR416-PR417-PR418-PR419-PR420-PR421-PR422-PR423-PR424-PR425-PR426-PR427-PR428-PR429-PR430-PR431-PR432-PR433-PR434-PR435-PR436-PR437-PR438-PR439-PR440-PR441-PR442-PR443-PR444-PR445-PR446-PR447-PR448-PR449-PR450-PR451-PR452-PR453-PR454-PR455-PR456-PR457-PR458-PR459-PR460-PR461-PR462-PR463-PR464-PR465-PR466-PR467-PR468-PR469-PR470-PR471-PR472-PR473-PR474-PR475-PR476-PR477-PR478-PR479-PR480-PR481-PR482-PR483-PR484-PR485-PR486-PR487-PR488-PR489-PR490-PR491-PR492-PR493-PR494-PR495-PR496-PR497-PR498-PR499-PR500-PR501-PR502-PR503-PR504-PR505-PR506-PR507-PR508-PR509-PR510-PR511-PR512-PR513-PR514-PR515-PR516-PR517-PR518-PR519-PR520-PR521-PR522-PR523-PR524-PR525-PR526-PR527-PR528-PR529-PR530-PR531-PR532-PR533-PR534-PR535-PR536-PR537-PR538-PR539-PR540-PR541-PR542-PR543-PR544-PR545-PR546-PR547-PR548-PR549-PR550-PR551-PR552-PR553-PR554-PR555-PR556-PR557-PR558-PR559-PR560-PR561-PR562-PR563-PR564-PR565-PR566-PR567-PR568-PR569-PR570-PR571-PR572-PR573-PR574-PR575-PR576-PR577-PR578-PR579-PR580-PR581-PR582-PR583-PR584-PR585-PR586-PR587-PR588-PR589-PR590-PR591-PR592-PR593-PR594-PR595-PR596-PR597-PR598-PR599-PR600-PR601-PR602-PR603-PR604-PR605-PR606-PR607-PR608-PR609-PR610-PR611-PR612-PR613-PR614-PR615-PR616-PR617-PR618-PR619-PR620-PR621-PR622-PR623-PR624-PR625-PR626-PR627-PR628-PR629-PR630-PR631-PR632-PR633-PR634-PR635-PR636-PR637-PR638-PR639-PR640-PR641-PR642-PR643-PR644-PR645-PR646-PR647-PR648-PR649-PR650-PR651-PR652-PR653-PR654-PR655-PR656-PR657-PR658-PR659-PR660-PR661-PR662-PR663-PR664-PR665-PR666-PR667-PR668-PR669-PR670-PR671-PR672-PR673-PR674-PR675-PR676-PR677-PR678-PR679-PR680-PR681-PR682-PR683-PR684-PR685-PR686-PR687-PR688-PR689-PR690-PR691-PR692-PR693-PR694-PR695-PR696-PR697-PR698-PR699-PR700-PR701-PR702-PR703-PR704-PR705-PR706-PR707-PR708-PR709-PR710-PR711-PR712-PR713-PR714-PR715-PR716-PR717-PR718-PR719-PR720-PR721-PR722-PR723-PR724-PR725-PR726-PR727-PR728-PR729-PR730-PR731-PR732-PR733-PR734-PR735-PR736-PR737-PR738-PR739-PR740-PR741-PR742-PR743-PR744-PR745-PR746-PR747-PR748-PR749-PR750-PR751-PR752-PR753-PR754-PR755-PR756-PR757-PR758-PR759-PR760-PR761-PR762-PR763-PR764-PR765-PR766-PR767-PR768-PR769-PR770-PR771-PR772-PR773-PR774-PR775-PR776-PR777-PR778-PR779-PR780-PR781-PR782-PR783-PR784-PR785-PR786-PR787-PR788-PR789-PR790-PR791-PR792-PR793-PR794-PR795-PR796-PR797-PR798-PR799-PR800-PR801-PR802-PR803-PR804-PR805-PR806-PR807-PR808-PR809-PR810-PR811-PR812-PR813-PR814-PR815-PR816-PR817-PR818-PR819-PR820-PR821-PR822-PR823-PR824-PR825-PR826-PR827-PR828-PR829-PR830-PR831-PR832-PR833-PR834-PR835-PR836-PR837-PR838-PR839-PR840-PR841-PR842-PR843-PR844-PR845-PR846-PR847-PR848-PR849-PR850-PR851-PR852-PR853-PR854-PR855-PR856-PR857-PR858-PR859-PR860-PR861-PR862-PR863-PR864-PR865-PR866-PR867-PR868-PR869-PR870-PR871-PR872-PR873-PR874-PR875-PR876-PR877-PR878-PR879-PR880-PR881-PR882-PR883-PR884-PR885-PR886-PR887-PR888-PR889-PR890-PR891-PR892-PR893-PR894-PR895-PR896-PR897-PR898-PR899-PR900-PR901-PR902-PR903-PR904-PR905-PR906-PR907-PR908-PR909-PR910-PR911-PR912-PR913-PR914-PR915-PR916-PR917-PR918-PR919-PR920-PR921-PR922-PR923-PR924-PR925-PR926-PR927-PR928-PR929-PR930-PR931-PR932-PR933-PR934-PR935-PR936-PR937-PR938-PR939-PR940-PR941-PR942-PR943-PR944-PR945-PR946-PR947-PR948-PR949-PR950-PR951-PR952-PR953-PR954-PR955-PR956-PR957-PR958-PR959-PR960-PR961-PR962-PR963-PR964-PR965-PR966-PR967-PR968-PR969-PR970-PR971-PR972-PR973-PR974-PR975-PR976-PR977-PR978-PR979-PR980-PR981-PR982-PR983-PR984-PR985-PR986-PR987-PR988-PR989-PR990-PR991-PR992-PR993-PR994-PR995-PR996-PR997-PR998-PR999-PR1000				Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel					136100					
Frequency (MHz)					680.5					
35	Pi/2 BPSK	1	1		23.33		24.00			
35		1	90		23.22		24.00			
35		1	186		22.88		24.00			
35		90	0		23.21		24.00			
35		90	45		23.31		24.00			
35		90	90		23.17		24.00			
35		180	0		23.25		24.00			
35		1	1		23.16		24.00			
35		1	90		23.32		24.00			
35		1	186		23.10		24.00			
35	QPSK	90	0		23.26		24.00			
35		90	45		23.32		24.00			
35		90	90		23.29		24.00			
35		180	0		23.22		24.00			
35		16QAM	1	1		23.11	24.00			
35		64QAM	1	1		22.09	23.00			
35		256QAM	1	1		20.16	21.00			
Channel				135600	136100	136600	Tune-up Limit			
Frequency (MHz)				678	680.5	683	(dBm)			
30	Pi/2 BPSK	1	1	23.21	23.25	23.24	24.00			
Channel				135100	136100	137100	Tune-up Limit			
Frequency (MHz)				675.5	680.5	685.5	(dBm)			
25	Pi/2 BPSK	1	1	23.11	23.11	23.21	24.00			
Channel				134600	136100	137600	Tune-up Limit			
Frequency (MHz)				673	680.5	688	(dBm)			
20	Pi/2 BPSK	1	1	23.07	23.20	23.14	24.00			
Channel				134100	136100	138100	Tune-up Limit			
Frequency (MHz)				670.5	680.5	690.5	(dBm)			
15	Pi/2 BPSK	1	1	23.09	23.12	23.14	24.00			
Channel				133600	136100	138600	Tune-up Limit			
Frequency (MHz)				668	680.5	693	(dBm)			
10	Pi/2 BPSK	1	1	23.16	23.12	23.17	24.00			
Channel				133100	136100	139100	Tune-up Limit			
Frequency (MHz)				665.5	680.5	695.5	(dBm)			
5	Pi/2 BPSK	1	1	23.18	23.24	23.18	24.00			

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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						136100		
Frequency (MHz)						680.5		
35	Pi/2 BPSK	1	1			26.31		27.00
35		1	90			26.29		27.00
35		1	186			26.13		27.00
35		90	0			25.72		26.50
35		90	45			26.26		27.00
35		90	90			25.73		26.50
35		180	0			25.78		26.50
35		1	1			26.29		27.00
35	QPSK	1	90			26.19		27.00
35		1	186			26.23		27.00
35		90	0			25.16		26.00
35		90	45			26.22		27.00
35		90	90			25.17		26.00
35		180	0			25.07		26.00
35		16QAM	1	1			25.17	26.00
35		64QAM	1	1			23.65	24.50
35	256QAM	1	1			21.59	22.50	
Channel					135600	136100	136600	Tune-up Limit (dbm)
Frequency (MHz)					678	680.5	683	
30	Pi/2 BPSK	1	1		26.25	26.28	26.27	27.00
Channel					135100	136100	137100	Tune-up Limit (dbm)
Frequency (MHz)					675.5	680.5	685.5	
25	Pi/2 BPSK	1	1		26.18	26.20	26.20	27.00
Channel					134600	136100	137600	Tune-up Limit (dbm)
Frequency (MHz)					673	680.5	688	
20	Pi/2 BPSK	1	1		26.18	26.22	26.20	27.00
Channel					134100	136100	138100	Tune-up Limit (dbm)
Frequency (MHz)					670.5	680.5	690.5	
15	Pi/2 BPSK	1	1		26.17	26.15	26.23	27.00
Channel					133600	136100	138600	Tune-up Limit (dbm)
Frequency (MHz)					669	680.5	693	
10	Pi/2 BPSK	1	1		26.24	26.14	26.16	27.00
Channel					133100	136100	139100	Tune-up Limit (dbm)
Frequency (MHz)					665.5	680.5	695.5	
5	Pi/2 BPSK	1	1		26.16	26.15	26.15	27.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up Limit (dBm)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up Limit (dBm)		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
40	Pi/2 BPSK	1	1	21.35	21.58	21.43	22.00	40	Pi/2 BPSK	1	1	20.41	20.51	20.43	22.00		
40		1	108	21.13	21.49	21.25	22.00	40		1	108	20.21	20.40	20.32	22.00		
40		1	214	21.19	21.57	21.39	22.00	40		1	214	20.38	20.45	20.36	22.00		
40		108	0	20.91	21.28	21.10	22.00	40		108	0	20.17	20.22	20.05	22.00		
40		108	54	21.13	21.50	21.25	22.00	40		108	54	20.23	20.48	20.33	22.00		
40		108	108	21.16	21.42	21.26	22.00	40		108	108	20.23	20.43	20.24	22.00		
40		216	0	21.02	21.33	21.06	22.00	40		216	0	20.16	20.38	20.24	22.00		
40		1	1	20.88	21.25	21.09	22.00	40		1	1	20.31	20.39	20.31	22.00		
40	QPSK	1	108	21.01	21.31	21.10	22.00	40	QPSK	1	108	20.23	20.29	20.26	22.00		
40		1	214	21.19	21.47	21.28	22.00	40		1	214	20.19	20.39	20.22	22.00		
40		108	0	21.10	21.38	21.16	22.00	40		108	0	20.22	20.36	20.18	22.00		
40		108	54	21.03	21.33	21.11	22.00	40		108	54	20.21	20.33	20.10	22.00		
40		108	108	21.06	21.33	21.07	22.00	40		108	108	20.29	20.39	20.17	22.00		
40		216	0	20.97	21.32	21.04	22.00	40		216	0	20.11	20.40	20.25	22.00		
40		16QAM	1	1	20.92	21.20	20.97	22.00		40	16QAM	1	1	20.03	20.20	20.10	22.00
40		64QAM	1	1	19.86	20.22	20.00	21.00		40	64QAM	1	1	20.41	20.50	20.30	22.00
40	256QAM	1	1	17.79	18.11	17.89	19.00	40	256QAM	1	1	18.34	18.40	18.25	20.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
35	Pi/2 BPSK	1	1	21.20	21.46	21.38	22.00	35	Pi/2 BPSK	1	1	20.36	20.44	20.34	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
30	Pi/2 BPSK	1	1	21.21	21.55	21.41	22.00	30	Pi/2 BPSK	1	1	20.39	20.46	20.40	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
25	Pi/2 BPSK	1	1	21.21	21.47	21.31	22.00	25	Pi/2 BPSK	1	1	20.33	20.39	20.31	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
20	Pi/2 BPSK	1	1	21.25	21.56	21.37	22.00	20	Pi/2 BPSK	1	1	20.35	20.43	20.41	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
15	Pi/2 BPSK	1	1	21.31	21.49	21.29	22.00	15	Pi/2 BPSK	1	1	20.34	20.36	20.36	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
10	Pi/2 BPSK	1	1	21.33	21.46	21.36	22.00	10	Pi/2 BPSK	1	1	20.33	20.39	20.35	22.00		
Channel								Channel									
Frequency (MHz)								Frequency (MHz)									
5	Pi/2 BPSK	1	1	21.26	21.49	21.38	22.00	5	Pi/2 BPSK	1	1	20.33	20.39	20.34	22.00		

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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				461500	462000			
Frequency (MHz)				2307.5	2310			
10	PI/2 BPSK	1	1	21.53	21.52	21.50	22.00	
10		1	26	21.52	21.50	21.48	22.00	
10		1	50	21.50	21.48	21.46	22.00	
10		25	0	21.46	21.44	21.42	22.00	
10		25	14	21.44	21.42	21.40	22.00	
10		25	27	21.42	21.40	21.38	22.00	
10		50	0	21.40	21.38	21.36	22.00	
10		1	1	21.51	21.49	21.47	22.00	
10		1	26	21.42	21.40	21.38	22.00	
10		1	50	21.43	21.41	21.39	22.00	
10	QPSK	1	1	21.47	21.44	21.42	22.00	
10		25	0	21.44	21.42	21.40	22.00	
10		25	14	21.42	21.40	21.38	22.00	
10		25	27	21.40	21.38	21.36	22.00	
10		50	0	21.46	21.44	21.42	22.00	
10		16QAM	1	1	21.42	21.40	21.38	22.00
10		64QAM	1	1	19.90	21.50	21.00	
10		256QAM	1	1	17.83	21.50	19.00	
Channel				461500	462000	462500	Tune-up Limit (dbm)	
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	21.48	21.52	21.50	22.00	

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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				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.86	21.88	21.81	22.00	
45		1	120	21.72	21.78	21.62	22.00	
45		1	240	21.28	21.37	21.18	22.00	
45		120	0	21.52	21.62	21.40	22.00	
45		120	60	21.49	21.63	21.42	22.00	
45		120	120	21.48	21.60	21.39	22.00	
45	QPSK	240	0	21.49	21.58	21.40	22.00	
45		1	1	21.70	21.79	21.66	22.00	
45		1	120	21.41	21.55	21.35	22.00	
45		1	240	21.28	21.32	21.16	22.00	
45		120	0	21.55	21.63	21.47	22.00	
45		120	60	21.48	21.57	21.41	22.00	
45	16QAM	120	120	21.55	21.61	21.39	22.00	
45		240	0	21.43	21.59	21.50	22.00	
45		1	1	21.64	21.73	21.55	22.00	
45		84QAM	1	1	20.62	20.70	20.60	21.00
45		256QAM	1	1	18.41	18.47	18.27	19.00
Channel				346000	349000	352000	Tune-up Limit (dBm)	
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.74	21.79	21.74	22.00	
Channel				345500	349000	352500	Tune-up Limit (dBm)	
Frequency (MHz)				1727.5	1745	1762.5		
35	PI/2 BPSK	1	1	21.73	21.76	21.68	22.00	
Channel				345000	349000	353000	Tune-up Limit (dBm)	
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.75	21.78	21.80	22.00	
Channel				344500	349000	353500	Tune-up Limit (dBm)	
Frequency (MHz)				1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	21.72	21.76	21.68	22.00	
Channel				344000	349000	354000	Tune-up Limit (dBm)	
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.73	21.87	21.70	22.00	
Channel				343500	349000	354500	Tune-up Limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.79	21.78	21.75	22.00	
Channel				343000	349000	355000	Tune-up Limit (dBm)	
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.77	21.84	21.70	22.00	
Channel				342500	349000	355500	Tune-up Limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	21.79	21.83	21.70	22.00	

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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					340500		
Frequency (MHz)					1702.5		
15	Pi/2 BPSK	1	1		21.75		22.00
15		1	40		21.67		22.00
15		1	77		21.70		22.00
15		36	0		21.56		22.00
15		36	22		21.66		22.00
15		36	43		21.58		22.00
15		75	0		21.54		22.00
15		1	1		21.64		22.00
15		1	40		21.62		22.00
15		1	77		21.63		22.00
15	QPSK	36	0		21.56		22.00
15		36	22		21.44		22.00
15		36	43		21.51		22.00
15		75	0		21.56		22.00
15		16QAM	1	1	21.62		22.00
15		64QAM	1	1	20.59		21.00
15	256QAM	1	1		18.48		19.00
Channel				340000	340500	341000	Tune-up Limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	Pi/2 BPSK	1	1	21.63	21.72	21.68	22.00
Channel				339500	340500	341500	Tune-up Limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	Pi/2 BPSK	1	1	21.55	21.64	21.64	22.00

<FR1 n77 (27Q) Ant 7_DSI 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				63332			
Frequency (MHz)				3499.98			
100	Pi2 BPSK	1	1	19.38			21.10
100		1	137	19.31			21.10
100		1	271	19.30			21.10
100		135	0	19.36			21.10
100		135	69	19.37			21.10
100		135	138	19.30			21.10
100		270	0	19.33			21.10
100		1	1	19.25			21.10
100		1	137	19.28			21.10
100		1	271	19.27			21.10
100	QPSK	135	0	19.28			21.10
100		135	69	19.32			21.10
100		135	138	19.33			21.10
100		270	0	19.23			21.10
100	16QAM	1	1	19.17			21.10
100	64QAM	1	1	19.23			21.10
100	256QAM	1	1	18.70			19.90
Channel				633300	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi2 BPSK	1	1	19.32	19.35	19.30	21.10
Channel				633666	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi2 BPSK	1	1	19.25	19.24	19.18	21.10
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi2 BPSK	1	1	19.19	19.20	19.27	21.10
Channel				632000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi2 BPSK	1	1	19.25	19.23	19.15	21.10
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi2 BPSK	1	1	19.27	19.30	19.16	21.10
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi2 BPSK	1	1	19.28	19.31	19.16	21.10
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi2 BPSK	1	1	19.23	19.30	19.21	21.10
Channel				630664	633332	635632	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi2 BPSK	1	1	19.20	19.30	19.16	21.10
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi2 BPSK	1	1	19.21	19.27	19.22	21.10
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi2 BPSK	1	1	19.23	19.30	19.16	21.10
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi2 BPSK	1	1	19.30	19.29	19.23	21.10

<FR1 n77 (27Q) HPUE Ant 7_DSI 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				63332			
Frequency (MHz)				3499.98			
100	Pi2 BPSK	1	1	22.31			24.10
100		1	137	22.21			24.10
100		1	271	22.15			24.10
100		135	0	22.15			24.10
100		135	69	22.25			24.10
100		135	138	22.15			24.10
100		270	0	22.18			24.10
100		1	1	22.20			24.10
100		1	137	22.17			24.10
100		1	271	22.11			24.10
100	QPSK	135	0	22.23			24.10
100		135	69	22.21			24.10
100		135	138	22.18			24.10
100		270	0	22.15			24.10
100	16QAM	1	1	22.17			24.10
100	64QAM	1	1	22.20			24.10
100	256QAM	1	1	22.23			24.00
Channel				633300	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi2 BPSK	1	1	22.23	22.28	22.20	24.10
Channel				633666	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi2 BPSK	1	1	22.11	22.21	22.14	24.10
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi2 BPSK	1	1	22.16	22.19	22.14	24.10
Channel				632000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi2 BPSK	1	1	22.20	22.21	22.14	24.10
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi2 BPSK	1	1	22.19	22.26	22.13	24.10
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi2 BPSK	1	1	22.19	22.23	22.15	24.10
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi2 BPSK	1	1	22.15	22.16	22.13	24.10
Channel				630664	633332	635632	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi2 BPSK	1	1	22.13	22.17	22.16	24.10
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi2 BPSK	1	1	22.18	22.22	22.13	24.10
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi2 BPSK	1	1	22.12	22.13	22.13	24.10
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi2 BPSK	1	1	22.22	22.22	22.14	24.10

<FR1 n77 (270), Ant 7_DSI 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)				65000	65666	66134	66200
				3750	3835.02	3920.01	3930
100	Pi/2 BPSK	1	1	19.29	19.31	19.45	19.38 21.10
100		1	137	19.21	19.20	19.35	19.22 21.10
100		1	271	19.19	19.24	19.26	19.15 21.10
100		135	0	19.25	19.14	19.30	19.20 21.10
100		135	69	19.31	19.26	19.37	19.30 21.10
100		135	138	19.18	19.24	19.27	19.13 21.10
100		270	0	19.14	19.16	19.28	19.15 21.10
100		1	1	19.13	19.12	19.24	19.11 21.10
100		1	137	19.20	19.12	19.24	19.09 21.10
100	QPSK	1	271	19.23	19.12	19.24	19.10 21.10
100		135	0	19.16	19.11	19.21	19.06 21.10
100		135	69	19.13	19.10	19.22	19.11 21.10
100		135	138	19.21	19.13	19.26	19.19 21.10
100		270	0	19.22	19.23	19.27	19.22 21.10
100		16QAM	1	19.16	19.21	19.25	19.15 21.10
100		64QAM	1	19.29	19.26	19.44	19.31 21.10
100		256QAM	1	18.27	18.50	18.74	18.57 19.50
Channel							
Frequency (MHz)				64666	65500	66134	66232
				3745.02	3832.5	3920.01	3934.98
90	Pi/2 BPSK	1	1	19.32	19.29	19.40	19.33 21.10
Channel							
Frequency (MHz)				64734	65534	66134	66266
				3740.01	3830.01	3920.01	3939.99
80	Pi/2 BPSK	1	1	19.28	19.29	19.41	19.32 21.10
Channel							
Frequency (MHz)				64800	65466	66134	66300
				3735	3827.52	3920.01	3945
70	Pi/2 BPSK	1	1	19.28	19.35	19.39	19.28 21.10
Channel							
Frequency (MHz)				64866	65500	66134	66332
				3730.52	3825	3920.01	3949.98
60	Pi/2 BPSK	1	1	19.33	19.25	19.42	19.30 21.10
Channel							
Frequency (MHz)				64834	654834	66134	66366
				3725.01	3822.51	3920.01	3954.99
50	Pi/2 BPSK	1	1	19.35	19.36	19.32	19.24 21.10
Channel							
Frequency (MHz)				64800	65466	66134	66400
				3720	3820.02	3920.01	3960
40	Pi/2 BPSK	1	1	19.25	19.24	19.41	19.26 21.10
Channel							
Frequency (MHz)				64766	654500	66134	66432
				3715.02	3817.5	3920.01	3954.98
30	Pi/2 BPSK	1	1	19.33	19.33	19.38	19.26 21.10
Channel							
Frequency (MHz)				64750	654416	66134	664500
				3712.5	3816.27	3920.01	3967.5
25	Pi/2 BPSK	1	1	19.32	19.31	19.43	19.24 21.10
Channel							
Frequency (MHz)				64734	654334	66134	66466
				3710.01	3813.01	3920.01	3969.99
20	Pi/2 BPSK	1	1	19.29	19.28	19.43	19.25 21.10
Channel							
Frequency (MHz)				64716	654250	66134	664832
				3707.52	3813.75	3920.01	3972.48
15	Pi/2 BPSK	1	1	19.24	19.31	19.42	19.21 21.10
Channel							
Frequency (MHz)				64700	65416	66134	66500
				3705	3812.52	3920.01	3975
10	Pi/2 BPSK	1	1	19.23	19.23	19.33	19.20 21.10

<FR1 n77 (270), HPUE_Ant 7_DSI 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)				650000	656666	661334	666000	
				3750	3815.02	3920.01	3930	
100	Pi/2 BPSK	1	1	22.36	22.30	22.40	22.36 24.10	
100		1	137	22.35	22.25	22.33	22.29 24.10	
100		1	271	22.28	22.12	22.34	22.30 24.10	
100		135	0	22.31	22.26	22.37	22.27 24.10	
100		135	69	22.36	22.23	22.39	22.32 24.10	
100		135	138	22.25	22.20	22.30	22.23 24.10	
100		270	0	22.33	22.31	22.39	22.29 24.10	
100		1	1	22.31	22.30	22.28	22.21 24.10	
100		1	137	22.36	22.18	22.26	22.13 24.10	
100		1	271	22.30	22.23	22.28	22.16 24.10	
100	QPSK	135	0	22.39	22.29	22.36	22.28 24.10	
100		135	69	22.24	22.30	22.32	22.21 24.10	
100		135	138	22.37	22.26	22.26	22.13 24.10	
100		270	0	22.28	22.23	22.30	22.19 24.10	
100		16QAM	1	22.25	22.22	22.38	22.24 24.10	
100		64QAM	1	22.34	22.29	22.37	22.28 24.10	
100		256QAM	1	22.30	22.13	22.32	22.18 22.50	
Channel								
Frequency (MHz)				646666	655000	661334	662332	
				3745.02	3832.5	3920.01	3934.98	
90	Pi/2 BPSK	1	1	22.23	22.30	22.34	22.25 24.10	
Channel								
Frequency (MHz)				64834	655334	661334	662666	
				3740.01	3830.01	3920.01	3939.99	
80	Pi/2 BPSK	1	1	22.24	22.29	22.38	22.24 24.10	
Channel								
Frequency (MHz)				648000	654166	661334	663000	
				3735	3827.52	3920.01	3945	
70	Pi/2 BPSK	1	1	22.34	22.29	22.36	22.24 24.10	
Channel								
Frequency (MHz)				648666	655000	661334	663332	
				3730.02	3825	3920.01	3949.98	
60	Pi/2 BPSK	1	1	22.34	22.32	22.29	22.20 24.10	
Channel								
Frequency (MHz)				648334	654834	661334	663666	
				3725.01	3822.51	3920.01	3954.99	
50	Pi/2 BPSK	1	1	22.29	22.28	22.30	22.21 24.10	
Channel								
Frequency (MHz)				648000	654666	661334	664000	
				3720	3820.02	3920.01	3960	
40	Pi/2 BPSK	1	1	22.23	22.32	22.33	22.26 24.10	
Channel								
Frequency (MHz)				647666	654500	661334	664332	
				3715.02	3817.5	3920.01	3954.98	
30	Pi/2 BPSK	1	1	22.27	22.23	22.26	22.24 24.10	
Channel								
Frequency (MHz)				647500	654416	661334	664500	
				3712.5	3816.27	3920.01	3967.5	
25	Pi/2 BPSK	1	1	22.30	22.24	22.26	22.21 24.10	
Channel								
Frequency (MHz)				647334	654334	661334	664666	
				3710.01	3813.01	3920.01	3969.99	
20	Pi/2 BPSK	1	1	22.25	22.20	22.37	22.19 24.10	
Channel								
Frequency (MHz)				647166	654250	661334	664832	
				3707.52	3813.75	3920.01	3972.48	
15	Pi/2 BPSK	1	1	22.29	22.25	22.26	22.18 24.10	
Channel								
Frequency (MHz)				647000	654166	661334	665000	
				3705	3812.52	3920.01	3975	
10	Pi/2 BPSK	1	1	22.34	22.31	22.37	22.17 24.10	

<FR1 n78 (27Q), Ant 7_DSI 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				633332		3499.98	
Frequency (MHz)				19.33			21.10
100	Pi2 BPSK	1	1		19.33		21.10
100		1	137		19.24		21.10
100		1	271		19.21		21.10
100		135	0	19.22		21.10	21.10
100		135	69	19.24		21.10	21.10
100		135	138	19.18		21.10	21.10
100		270	0	19.21		21.10	21.10
100		1	1	19.14		21.10	21.10
100		1	137	19.25		21.10	21.10
100		1	271	19.20		21.10	21.10
100	QPSK	135	0	19.21		21.10	21.10
100		135	69	19.16		21.10	21.10
100		135	138	19.23		21.10	21.10
100		270	0	19.15		21.10	21.10
100		16QAM	1	1	19.23		21.10
100		84QAM	1	1	19.13		21.10
100	256QAM	1	1	18.58			19.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.98	
90	Pi2 BPSK	1	1	19.27	19.30	19.23	21.10
Channel				630668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3519	
80	Pi2 BPSK	1	1	19.26	19.19	19.28	21.10
Channel				630334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi2 BPSK	1	1	19.34	19.25	19.24	21.10
Channel				630000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi2 BPSK	1	1	19.21	19.17	19.18	21.10
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi2 BPSK	1	1	19.17	19.21	19.23	21.10
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi2 BPSK	1	1	19.22	19.23	19.16	21.10
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi2 BPSK	1	1	19.27	19.26	19.16	21.10
Channel				630668	633332	635932	Tune-up Limit (dBm)
Frequency (MHz)				3482.51	3499.98	3537.48	
25	Pi2 BPSK	1	1	19.17	19.23	19.12	21.10
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3540	
20	Pi2 BPSK	1	1	19.20	19.18	19.13	21.10
Channel				630300	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi2 BPSK	1	1	19.18	19.22	19.16	21.10
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi2 BPSK	1	1	19.15	19.19	19.13	21.10

<FR1 n78 (27Q), HPUE_Ant 7_DSI 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				633332		3499.98	
Frequency (MHz)				22.40			24.10
100	Pi2 BPSK	1	1		22.40		24.10
100		1	137		22.22		24.10
100		1	271		22.13		24.10
100		135	0	22.23		24.10	24.10
100		135	69	22.27		24.10	24.10
100		135	138	22.23		24.10	24.10
100		270	0	22.15		24.10	24.10
100		1	1	22.20		24.10	24.10
100		1	137	22.14		24.10	24.10
100		1	271	22.16		24.10	24.10
100	QPSK	135	0	22.25		24.10	24.10
100		135	69	22.19		24.10	24.10
100		135	138	22.16		24.10	24.10
100		270	0	22.22		24.10	24.10
100		16QAM	1	1	22.16		24.10
100		84QAM	1	1	22.27		24.10
100	256QAM	1	1		22.27		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3504.99	
90	Pi2 BPSK	1	1	22.32	22.33	22.26	24.10
Channel				630668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3519	
80	Pi2 BPSK	1	1	22.25	22.21	22.18	24.10
Channel				630334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi2 BPSK	1	1	22.24	22.20	22.16	24.10
Channel				630000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	Pi2 BPSK	1	1	22.22	22.28	22.15	24.10
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi2 BPSK	1	1	22.22	22.30	22.19	24.10
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi2 BPSK	1	1	22.25	22.19	22.21	24.10
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi2 BPSK	1	1	22.19	22.26	22.20	24.10
Channel				630668	633332	635932	Tune-up Limit (dBm)
Frequency (MHz)				3482.51	3499.98	3537.48	
25	Pi2 BPSK	1	1	22.21	22.31	22.18	24.10
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3480.02	3499.98	3540	
20	Pi2 BPSK	1	1	22.21	22.28	22.22	24.10
Channel				630300	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi2 BPSK	1	1	22.25	22.27	22.26	24.10
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi2 BPSK	1	1	22.28	22.27	22.14	24.10

<FR1 n78 (270), Ant 7_DSI 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				650000			
Frequency (MHz)				3750			
100	Pi2 BPSK	1	1		19.33		21.10
100		1	137		19.29		21.10
100		1	271		19.24		21.10
100		135	0		19.19		21.10
100		135	69		19.20		21.10
100		135	138		19.20		21.10
100	QPSK	270	0		19.21		21.10
100		1	1		19.12		21.10
100		1	137		19.20		21.10
100		1	271		19.18		21.10
100		135	0		19.19		21.10
100		135	69		19.10		21.10
100		135	138		19.22		21.10
100		270	0		19.19		21.10
100	16QAM	1	1		19.17		21.10
100	84QAM	1	1		19.20		21.10
100	256QAM	1	1		18.66		19.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi2 BPSK	1	1		19.16	19.26	21.10
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi2 BPSK	1	1		19.20	19.24	21.10
Channel				648000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi2 BPSK	1	1		19.25	19.15	21.10
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi2 BPSK	1	1		19.18	19.25	21.10
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi2 BPSK	1	1		19.20	19.14	21.10
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi2 BPSK	1	1		19.16	19.19	21.10
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi2 BPSK	1	1		19.19	19.10	21.10
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi2 BPSK	1	1		19.17	19.26	21.10
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi2 BPSK	1	1		19.18	19.23	21.10
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi2 BPSK	1	1		19.19	19.19	21.10
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi2 BPSK	1	1		19.22	19.13	21.10

<FR1 n78 (270), HPUE_Ant 7_DSI 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				650000			
Frequency (MHz)				3750			
100	Pi2 BPSK	1	1		22.38		24.10
100		1	137		22.25		24.10
100		1	271		22.38		24.10
100		135	0		22.21		24.10
100		135	69		22.34		24.10
100		135	138		22.15		24.10
100	QPSK	270	0		22.27		24.10
100		1	1		22.10		24.10
100		1	137		22.17		24.10
100		1	271		22.15		24.10
100		135	0		22.30		24.10
100		135	69		22.21		24.10
100		135	138		22.12		24.10
100		270	0		22.27		24.10
100	16QAM	1	1		22.26		24.10
100	84QAM	1	1		22.25		24.10
100	256QAM	1	1		22.19		24.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi2 BPSK	1	1		22.36	22.30	22.23
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi2 BPSK	1	1		22.24	22.18	22.19
Channel				648000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi2 BPSK	1	1		22.16	22.26	22.13
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi2 BPSK	1	1		22.22	22.17	22.23
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi2 BPSK	1	1		22.15	22.27	22.18
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi2 BPSK	1	1		22.18	22.18	22.25
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi2 BPSK	1	1		22.23	22.21	22.19
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi2 BPSK	1	1		22.20	22.28	22.26
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi2 BPSK	1	1		22.16	22.21	22.22
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi2 BPSK	1	1		22.15	22.18	22.21
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi2 BPSK	1	1		22.18	22.15	22.15

<FR1 n77 (27Q) Ant 5_DSI 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				633332	633332	633332	
Frequency (MHz)				3499.98	19.43		21.00
100	PI2 BPSK	1	1		19.43		21.00
100		1	137		19.05		21.00
100		1	271		19.03		21.00
100		135	0		19.01		21.00
100		135	69		19.31		21.00
100	QPSK	135	138		19.07		21.00
100		270	0		19.05		21.00
100		1	1		19.03		21.00
100		1	137		19.08		21.00
100		1	271		19.00		21.00
100	16QAM	135	0		19.06		21.00
100		135	69		19.01		21.00
100		135	138		19.06		21.00
100	64QAM	270	0		19.04		21.00
100	16QAM	1	1		19.10		21.00
100	64QAM	1	1		19.03		21.00
100	256QAM	1	1		19.10		21.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1		19.00	19.05	21.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1		19.02	19.08	21.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1		19.06	19.07	21.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1		19.10	19.02	21.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1		19.01	19.08	21.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1		19.04	19.01	21.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1		19.04	19.09	21.00
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1		19.04	19.03	21.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1		19.04	19.09	21.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1		19.05	19.06	21.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1		19.00	19.06	21.00

<FR1 n77 (27Q) HPUE_Ant 5_DSI 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				633332	633332	633332	
Frequency (MHz)				3499.98	22.58		24.00
100	PI2 BPSK	1	1		22.58		24.00
100		1	137		22.35		24.00
100		1	271		22.37		24.00
100		135	0		22.25		24.00
100		135	69		22.38		24.00
100	QPSK	135	138		22.32		24.00
100		270	0		22.28		24.00
100		1	1		22.35		24.00
100		1	137		22.30		24.00
100		1	271		22.28		24.00
100	16QAM	135	0		22.34		24.00
100		135	69		22.27		24.00
100		135	138		22.28		24.00
100	64QAM	270	0		22.28		24.00
100	16QAM	1	1		22.28		24.00
100	64QAM	1	1		22.37		24.00
100	256QAM	1	1		22.25		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1		22.27	22.30	24.00
Channel				632668	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1		22.16	22.27	24.00
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1		22.22	22.18	24.00
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3480	3499.98	3518.99	
60	PI2 BPSK	1	1		22.17	22.15	24.00
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1		22.15	22.21	24.00
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1		22.23	22.16	24.00
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1		22.19	22.28	24.00
Channel				630634	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1		22.15	22.17	24.00
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1		22.17	22.23	24.00
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1		22.25	22.22	24.00
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1		22.13	22.20	24.00

<FR1 n77 (270)_Ant 5_DSI 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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	19.13	19.18	19.24	21.00
100		1	137	19.08	19.15	19.17	21.00
100		1	271	19.00	19.09	19.10	21.00
100		135	0	19.11	19.11	19.12	21.00
100		135	69	19.11	19.17	19.21	21.00
100		135	138	19.08	19.14	19.20	21.00
100		270	0	19.09	19.13	19.16	21.00
100		1	1	19.11	19.04	19.11	21.00
100		1	137	19.10	19.09	19.23	21.00
100		1	271	19.08	19.11	19.16	21.00
100	QPSK	135	0	19.05	19.06	19.13	21.00
100		135	69	19.08	19.09	19.22	21.00
100		135	138	19.02	19.05	19.16	21.00
100		270	0	19.03	19.08	19.10	21.00
100	16QAM	1	1	19.07	19.03	19.11	21.00
100	64QAM	1	1	19.05	19.13	19.22	21.00
100	256QAM	1	1	18.88	18.85	18.98	21.00
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	19.08	19.08	19.22	21.00
Channel				649334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	19.04	19.10	19.13	21.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	19.05	19.16	19.20	21.00
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	PI2 BPSK	1	1	19.10	19.11	19.23	21.00
Channel				648334	654934	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	19.08	19.18	19.17	21.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	19.07	19.20	19.14	21.00
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	19.16	19.06	19.15	21.00
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	19.15	19.11	19.23	21.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	19.10	19.14	19.23	21.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	19.12	19.16	19.21	21.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	19.13	19.11	19.22	21.00

<FR1 n77 (270)_HPUE_Ant 5_DSI 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				655668	661334	667000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	PI2 BPSK	1	1	22.34	22.28	22.49	24.00
100		1	137	22.14	22.23	22.45	24.00
100		1	271	22.22	22.19	22.41	24.00
100		135	0	22.23	22.20	22.40	24.00
100		135	69	22.25	22.26	22.43	24.00
100		135	138	22.18	22.12	22.37	24.00
100		270	0	22.18	22.13	22.38	24.00
100		1	1	22.18	22.18	22.37	24.00
100		1	137	22.19	22.16	22.36	24.00
100		1	271	22.22	22.25	22.40	24.00
100	QPSK	135	0	22.22	22.19	22.38	24.00
100		135	69	22.25	22.25	22.47	24.00
100		135	138	22.15	22.22	22.46	24.00
100		270	0	22.15	22.22	22.46	24.00
100	16QAM	1	1	22.10	22.15	22.35	24.00
100	64QAM	1	1	22.18	22.24	22.42	24.00
100	256QAM	1	1	21.88	22.01	22.24	24.00
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	PI2 BPSK	1	1	22.25	22.26	22.34	24.00
Channel				649334	653334	661334	665000
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	PI2 BPSK	1	1	22.33	22.30	22.45	24.00
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	PI2 BPSK	1	1	22.21	22.26	22.44	24.00
Channel				648668	650000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	PI2 BPSK	1	1	22.26	22.24	22.34	24.00
Channel				648334	654934	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	PI2 BPSK	1	1	22.27	22.29	22.36	24.00
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	PI2 BPSK	1	1	22.29	22.34	22.37	24.00
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	PI2 BPSK	1	1	22.21	22.33	22.43	24.00
Channel				647500	654416	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	PI2 BPSK	1	1	22.29	22.32	22.43	24.00
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	PI2 BPSK	1	1	22.32	22.34	22.35	24.00
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	PI2 BPSK	1	1	22.21	22.30	22.35	24.00
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	PI2 BPSK	1	1	22.29	22.27	22.37	24.00

<FR1 n78 (27Q_Ant 5_DSI 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	Pi/2 BPSK	1	1	19.19	19.19	21.00	21.00
100		1	137	19.18	19.18	21.00	21.00
100		1	271	19.13	19.13	21.00	21.00
100		135	0	19.12	19.12	21.00	21.00
100		135	69	19.15	19.15	21.00	21.00
100		135	138	19.09	19.09	21.00	21.00
100		270	0	19.13	19.13	21.00	21.00
100		1	1	19.13	19.13	21.00	21.00
100		1	137	19.16	19.16	21.00	21.00
100		1	271	19.09	19.09	21.00	21.00
100	QPSK	135	0	19.16	19.16	21.00	21.00
100		135	69	19.03	19.03	21.00	21.00
100		135	138	19.18	19.18	21.00	21.00
100		270	0	19.13	19.13	21.00	21.00
100	16QAM	1	1	19.14	19.14	21.00	21.00
100	64QAM	1	1	19.10	19.10	21.00	21.00
100	256QAM	1	1	19.17	19.17	21.00	21.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	19.15	19.15	21.00	21.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	19.03	19.14	19.10	21.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	19.07	19.13	19.09	21.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	19.11	19.05	19.12	21.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	19.13	19.02	19.08	21.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	19.11	19.07	19.10	21.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	19.10	19.04	19.06	21.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	19.05	19.11	19.08	21.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	19.07	19.07	19.08	21.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	19.07	19.12	19.06	21.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	19.13	19.03	19.02	21.00

<FR1 n78 (27Q_HPUE_Ant 5_DSI 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	Pi/2 BPSK	1	1	22.52	22.52	24.00	24.00
100		1	137	22.45	22.45	24.00	24.00
100		1	271	22.46	22.46	24.00	24.00
100		135	0	22.37	22.37	24.00	24.00
100		135	69	22.41	22.41	24.00	24.00
100		135	138	22.37	22.37	24.00	24.00
100		270	0	22.40	22.40	24.00	24.00
100		1	1	22.39	22.39	24.00	24.00
100		1	137	22.45	22.45	24.00	24.00
100		1	271	22.41	22.41	24.00	24.00
100	QPSK	135	0	22.42	22.42	24.00	24.00
100		135	69	22.38	22.38	24.00	24.00
100		135	138	22.36	22.36	24.00	24.00
100		270	0	22.37	22.37	24.00	24.00
100	16QAM	1	1	22.34	22.34	24.00	24.00
100	64QAM	1	1	22.43	22.43	24.00	24.00
100	256QAM	1	1	22.41	22.41	24.00	24.00
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	22.46	22.50	22.41	24.00
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	22.42	22.36	22.27	24.00
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	22.32	22.37	22.31	24.00
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	22.33	22.44	22.30	24.00
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	22.39	22.47	22.39	24.00
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	22.37	22.48	22.35	24.00
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	22.39	22.46	22.30	24.00
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	22.33	22.41	22.29	24.00
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	22.34	22.39	22.30	24.00
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	22.37	22.36	22.27	24.00
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	22.32	22.44	22.33	24.00

<FR1 n78 (270), Ant 5_DSI 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)				3750			
100	Pi/2 BPSK	1	1	19.37			21.00
100		1	137	19.24			21.00
100		1	271	19.27			21.00
100		135	0	19.22			21.00
100		135	69	19.35			21.00
100		135	138	19.31			21.00
100		270	0	19.26			21.00
100		1	1	19.18			21.00
100		1	137	19.35			21.00
100		1	271	19.23			21.00
100	QPSK	135	0	19.27			21.00
100		135	69	19.34			21.00
100		135	138	19.25			21.00
100		270	0	19.24			21.00
100	16QAM	1	1	19.26			21.00
100	64QAM	1	1	19.36			21.00
100	256QAM	1	1	19.30			21.00
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.26	19.32	19.30	21.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.15	19.26	19.15	21.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.14	19.20	19.26	21.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	19.22	19.29	19.15	21.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.15	19.25	19.20	21.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.12	19.20	19.21	21.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.21	19.22	19.21	21.00
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.19	19.27	19.17	21.00
Channel				647000	650000	652998	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.17	19.18	19.19	21.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.24	19.17	19.20	21.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.23	19.28	19.28	21.00

<FR1 n78 (270), HPUE, Ant 5_DSI 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)				3750			
100	Pi/2 BPSK	1	1		22.43		24.00
100		1	137		22.41		24.00
100		1	271		22.36		24.00
100		135	0		22.32		24.00
100		135	69		22.35		24.00
100		135	138		22.34		24.00
100		270	0		22.32		24.00
100		1	1		22.27		24.00
100		1	137		22.33		24.00
100		1	271		22.37		24.00
100	QPSK	135	0		22.32		24.00
100		135	69		22.30		24.00
100		135	138		22.36		24.00
100		270	0		22.40		24.00
100	16QAM	1	1		22.18		24.00
100	64QAM	1	1		22.32		24.00
100	256QAM	1	1		22.31		24.00
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	22.38	22.41	22.37	24.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	22.34	22.30	22.17	24.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.31	22.32	22.22	24.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi/2 BPSK	1	1	22.27	22.38	22.22	24.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.38	22.36	22.20	24.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	22.30	22.32	22.10	24.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.35	22.37	22.30	24.00
Channel				647334	650000	652666	
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.31	22.32	22.19	24.00
Channel				647000	650000	652998	
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	22.37	22.28	22.20	24.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.26	22.32	22.24	24.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.36	22.38	22.23	24.00

<FR1 n77 (27Q)_Ant 4_DSI 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				633300	633332	633666	18.60
Frequency (MHz)				3499.98	3499.98	3499.98	
100	Pi/2 BPSK	1	1	17.42	17.42	17.42	18.60
100		1	137	17.29	17.29	17.29	18.60
100		1	271	17.36	17.36	17.36	18.60
100		135	0	17.31	17.31	17.31	18.60
100		135	69	17.40	17.40	17.40	18.60
100	QPSK	135	138	17.32	17.32	17.32	18.60
100		270	0	17.33	17.33	17.33	18.60
100		1	1	17.27	17.27	17.27	18.60
100		1	137	17.33	17.33	17.33	18.60
100		1	271	17.28	17.28	17.28	18.60
100	16QAM	135	0	17.34	17.34	17.34	18.60
100		135	69	17.38	17.38	17.38	18.60
100		135	138	17.30	17.30	17.30	18.60
100	64QAM	1	1	17.32	17.32	17.32	18.60
100	256QAM	1	1	17.30	17.30	17.30	18.60
100	64QAM	1	1	17.33	17.33	17.33	18.60
100	256QAM	1	1	17.29	17.29	17.29	18.60
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	17.23	17.28	17.30	18.60
Channel				632868	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	17.26	17.36	17.19	18.60
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	17.32	17.31	17.26	18.60
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	Pi/2 BPSK	1	1	17.16	17.24	17.22	18.60
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	17.26	17.32	17.28	18.60
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	17.24	17.33	17.19	18.60
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	17.19	17.31	17.20	18.60
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	17.31	17.28	17.29	18.60
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	17.30	17.24	17.28	18.60
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	17.30	17.33	17.26	18.60
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	17.30	17.33	17.20	18.60

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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				633000	633332	633666	18.60
Frequency (MHz)				3499.98	3499.98	3499.98	
100	Pi/2 BPSK	1	1	20.10	20.10	20.10	21.60
100		1	137	19.97	19.97	19.97	21.60
100		1	271	20.04	20.04	20.04	21.60
100		135	0	20.04	20.04	20.04	21.60
100		135	69	20.08	20.08	20.08	21.60
100	QPSK	135	138	20.03	20.03	20.03	21.60
100		270	0	20.02	20.02	20.02	21.60
100		1	1	20.05	20.05	20.05	21.60
100		1	137	20.02	20.02	20.02	21.60
100		1	271	20.06	20.06	20.06	21.60
100	16QAM	135	0	19.99	19.99	19.99	21.60
100		135	69	20.08	20.08	20.08	21.60
100		135	138	19.97	19.97	19.97	21.60
100	64QAM	1	1	19.98	19.98	19.98	21.60
100	256QAM	1	1	20.07	20.07	20.07	21.60
100	64QAM	1	1	20.08	20.08	20.08	21.60
100	256QAM	1	1	19.97	19.97	19.97	21.60
Channel				633000	633332	633666	Tune-up Limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	Pi/2 BPSK	1	1	20.03	20.04	19.98	21.60
Channel				632868	633332	634000	Tune-up Limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	Pi/2 BPSK	1	1	19.93	19.92	19.93	21.60
Channel				632334	633332	634332	Tune-up Limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	Pi/2 BPSK	1	1	19.95	19.93	19.97	21.60
Channel				632000	633332	634666	Tune-up Limit (dBm)
Frequency (MHz)				3485	3499.98	3518.99	
60	Pi/2 BPSK	1	1	19.95	20.04	19.84	21.60
Channel				631668	633332	635000	Tune-up Limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	Pi/2 BPSK	1	1	19.92	20.04	19.84	21.60
Channel				631334	633332	635332	Tune-up Limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	Pi/2 BPSK	1	1	19.99	20.01	19.95	21.60
Channel				631000	633332	635666	Tune-up Limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	Pi/2 BPSK	1	1	19.99	19.92	19.91	21.60
Channel				630834	633332	635832	Tune-up Limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	Pi/2 BPSK	1	1	19.91	20.00	19.84	21.60
Channel				630668	633332	636000	Tune-up Limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	Pi/2 BPSK	1	1	19.98	20.04	19.95	21.60
Channel				630500	633332	636166	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	Pi/2 BPSK	1	1	19.96	20.04	19.91	21.60
Channel				630334	633332	636332	Tune-up Limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	Pi/2 BPSK	1	1	20.02	20.00	19.95	21.60

<FR1 n77 (270)_Ant 4_DSI 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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P12 BPSK	1	1	17.29	17.31	17.47	18.60
100		1	137	17.10	17.15	17.36	18.60
100		1	271	17.19	17.09	17.40	18.60
100		135	0	17.17	17.20	17.38	18.60
100		135	69	17.22	17.36	17.44	18.60
100		135	138	17.03	17.11	17.35	18.60
100		270	0	17.15	17.22	17.45	18.60
100		1	1	17.12	17.15	17.37	18.60
100		1	137	17.13	17.15	17.35	18.60
100		1	271	17.17	17.21	17.41	18.60
100	QPSK	135	0	17.11	17.16	17.37	18.60
100		135	69	17.08	17.12	17.34	18.60
100		135	138	17.05	17.10	17.28	18.60
100		270	0	17.05	17.10	17.33	18.60
100	16QAM	1	1	17.14	17.13	17.40	18.60
100	64QAM	1	1	17.15	17.12	17.34	18.60
100	256QAM	1	1	17.14	17.18	17.36	17.21
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P12 BPSK	1	1	17.25	17.19	17.33	18.60
Channel				649334	655334	661334	662066
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P12 BPSK	1	1	17.20	17.29	17.39	18.60
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P12 BPSK	1	1	17.26	17.25	17.40	17.30
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	P12 BPSK	1	1	17.19	17.22	17.44	17.29
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P12 BPSK	1	1	17.19	17.29	17.43	17.29
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P12 BPSK	1	1	17.17	17.22	17.37	17.30
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P12 BPSK	1	1	17.23	17.30	17.35	17.28
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P12 BPSK	1	1	17.18	17.29	17.42	17.28
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P12 BPSK	1	1	17.25	17.19	17.37	17.29
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P12 BPSK	1	1	17.19	17.27	17.39	17.25
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P12 BPSK	1	1	17.20	17.20	17.39	17.24

<FR1 n77 (270)_HPUE_Ant 4_DSI 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				655668	661334	665000	
Frequency (MHz)				3755	3835.02	3920.01	3930
100	P12 BPSK	1	1	19.69	19.70	19.83	19.72
100		1	137	19.66	19.68	19.71	19.57
100		1	271	19.64	19.69	19.74	19.65
100		135	0	19.61	19.70	19.73	19.65
100		135	69	19.70	19.69	19.79	19.69
100		135	138	19.67	19.66	19.66	19.57
100		270	0	19.65	19.67	19.74	19.68
100		1	1	19.69	19.65	19.75	19.63
100		1	137	19.64	19.76	19.78	19.69
100		1	271	19.66	19.66	19.68	19.52
100	QPSK	135	0	19.62	19.72	19.69	19.64
100		135	69	19.61	19.72	19.66	19.53
100		135	138	19.62	19.68	19.74	19.59
100		270	0	19.62	19.68	19.74	19.59
100	16QAM	1	1	19.73	19.71	19.80	19.70
100	64QAM	1	1	19.64	19.66	19.67	19.61
100	256QAM	1	1	19.71	19.66	19.79	19.69
Channel				649668	655500	661334	662332
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98
90	P12 BPSK	1	1	19.75	19.69	19.82	19.68
Channel				649334	655334	661334	662066
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99
80	P12 BPSK	1	1	19.65	19.67	19.73	19.69
Channel				649000	655168	661334	663000
Frequency (MHz)				3735	3827.52	3920.01	3945
70	P12 BPSK	1	1	19.71	19.76	19.79	19.65
Channel				648668	655000	661334	663332
Frequency (MHz)				3730.02	3825	3920.01	3948.98
60	P12 BPSK	1	1	19.75	19.68	19.74	19.63
Channel				648334	654834	661334	663666
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99
50	P12 BPSK	1	1	19.72	19.67	19.68	19.61
Channel				648000	654668	661334	664000
Frequency (MHz)				3720	3820.02	3920.01	3960
40	P12 BPSK	1	1	19.66	19.77	19.74	19.65
Channel				647668	654668	661334	664332
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98
30	P12 BPSK	1	1	19.72	19.78	19.81	19.66
Channel				647500	654418	661334	664500
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5
25	P12 BPSK	1	1	19.75	19.66	19.81	19.62
Channel				647334	654334	661334	664666
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99
20	P12 BPSK	1	1	19.72	19.71	19.79	19.64
Channel				647168	654250	661334	664832
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48
15	P12 BPSK	1	1	19.75	19.68	19.73	19.60
Channel				647000	654168	661334	665000
Frequency (MHz)				3705	3812.52	3920.01	3975
10	P12 BPSK	1	1	19.75	19.66	19.74	19.62

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	17.38	17.38	17.38	18.60
100		1	137	17.15	17.15	17.15	18.60
100		1	271	17.27	17.27	17.27	18.60
100		135	0	17.17	17.17	17.17	18.60
100		135	69	17.29	17.29	17.29	18.60
100		135	138	17.15	17.15	17.15	18.60
100		270	0	17.30	17.30	17.30	18.60
100		1	1	17.17	17.17	17.17	18.60
100		1	137	17.24	17.24	17.24	18.60
100		1	271	17.25	17.25	17.25	18.60
100	QPSK	135	0	17.22	17.22	17.22	18.60
100		135	69	17.33	17.33	17.33	18.60
100		135	138	17.19	17.19	17.19	18.60
100		270	0	17.14	17.14	17.14	18.60
100	16QAM	1	1	17.25	17.25	17.25	18.60
100	64QAM	1	1	17.28	17.28	17.28	18.60
100	256QAM	1	1	17.19	17.19	17.19	18.60
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	17.26	17.26	17.26	18.60
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	17.23	17.21	17.22	18.60
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	17.18	17.18	17.18	18.60
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	17.24	17.23	17.15	18.60
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	17.16	17.28	17.10	18.60
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	17.15	17.20	17.20	18.60
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	17.20	17.26	17.20	18.60
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	17.21	17.20	17.16	18.60
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	17.22	17.23	17.11	18.60
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	17.21	17.17	17.14	18.60
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	17.16	17.24	17.12	18.60

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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							
Frequency (MHz)							
100	Pi/2 BPSK	1	1	20.08	20.08	20.08	21.60
100		1	137	19.86	19.86	19.86	21.60
100		1	271	19.96	19.96	19.96	21.60
100		135	0	19.90	19.90	19.90	21.60
100		135	69	19.94	19.94	19.94	21.60
100		135	138	19.89	19.89	19.89	21.60
100		270	0	20.00	20.00	20.00	21.60
100		1	1	19.91	19.91	19.91	21.60
100		1	137	19.85	19.85	19.85	21.60
100		1	271	19.99	19.99	19.99	21.60
100	QPSK	135	0	19.94	19.94	19.94	21.60
100		135	69	19.90	19.90	19.90	21.60
100		135	138	19.83	19.83	19.83	21.60
100		270	0	19.85	19.85	19.85	21.60
100	16QAM	1	1	20.03	20.03	20.03	21.60
100	64QAM	1	1	19.94	19.94	19.94	21.60
100	256QAM	1	1	19.87	19.87	19.87	21.60
Channel							
Frequency (MHz)							
90	Pi/2 BPSK	1	1	20.00	20.05	20.04	21.60
Channel							
Frequency (MHz)							
80	Pi/2 BPSK	1	1	19.99	20.00	19.96	21.60
Channel							
Frequency (MHz)							
70	Pi/2 BPSK	1	1	19.86	19.96	20.02	21.60
Channel							
Frequency (MHz)							
60	Pi/2 BPSK	1	1	19.93	19.93	19.95	21.60
Channel							
Frequency (MHz)							
50	Pi/2 BPSK	1	1	19.90	19.91	19.96	21.60
Channel							
Frequency (MHz)							
40	Pi/2 BPSK	1	1	19.93	20.01	19.97	21.60
Channel							
Frequency (MHz)							
30	Pi/2 BPSK	1	1	19.90	19.94	19.94	21.60
Channel							
Frequency (MHz)							
25	Pi/2 BPSK	1	1	19.86	19.93	19.97	21.60
Channel							
Frequency (MHz)							
20	Pi/2 BPSK	1	1	19.91	20.04	19.95	21.60
Channel							
Frequency (MHz)							
15	Pi/2 BPSK	1	1	19.88	19.95	20.01	21.60
Channel							
Frequency (MHz)							
10	Pi/2 BPSK	1	1	19.97	19.97	19.89	21.60

<FR1 n78 (270, Ant 4, DSI 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				650000			
Frequency (MHz)				3750			
100	Pi2 BPSK	1	1	17.40			18.60
100		1	137	17.22			18.60
100		1	271	17.35			18.60
100		135	0	17.25			18.60
100		135	69	17.35			18.60
100		135	138	17.21			18.60
100		270	0	17.37			18.60
100		1	1	17.33			18.60
100		1	137	17.19			18.60
100		1	271	17.25			18.60
100		QPSK	135	0	17.32		
100	135		69	17.32			18.60
100	135		138	17.22			18.60
100	270		0	17.21			18.60
100	16QAM	1	1	17.32			18.60
100	64QAM	1	1	17.32			18.60
100	256QAM	1	1	17.32			18.60
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi2 BPSK	1	1	17.22	17.37	17.30	18.60
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi2 BPSK	1	1	17.27	17.30	17.18	18.60
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi2 BPSK	1	1	17.21	17.34	17.22	18.60
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3760.98	
60	Pi2 BPSK	1	1	17.23	17.32	17.22	18.60
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi2 BPSK	1	1	17.27	17.34	17.17	18.60
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi2 BPSK	1	1	17.29	17.25	17.25	18.60
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi2 BPSK	1	1	17.29	17.30	17.23	18.60
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi2 BPSK	1	1	17.25	17.32	17.23	18.60
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi2 BPSK	1	1	17.19	17.22	17.22	18.60
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi2 BPSK	1	1	17.31	17.27	17.21	18.60
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi2 BPSK	1	1	17.27	17.32	17.24	18.60

<FR1 n78 (270, HPUE, Ant 4, DSI 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					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		19.83		21.60
100		1	137		19.71		21.60
100		1	271		19.76		21.60
100		135	0		19.66		21.60
100		135	69		19.72		21.60
100		135	138		19.62		21.60
100		270	0		19.74		21.60
100		1	1		19.68		21.60
100		1	137		19.81		21.60
100		1	271		19.62		21.60
QPSK							
100	QPSK	135	0		19.61		21.60
100		135	69		19.85		21.60
100		135	138		19.61		21.60
100		270	0		19.84		21.60
100	16QAM	1	1		19.73		21.60
100	64QAM	1	1		19.66		21.60
100	256QAM	1	1		19.81		21.60
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1		19.76	19.70	21.60
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1		19.73	19.63	21.60
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1		19.71	19.62	21.60
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3760.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1		19.75	19.63	21.60
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1		19.75	19.61	21.60
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1		19.75	19.64	21.60
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1		19.63	19.67	21.60
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1		19.71	19.72	21.60
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3780.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1		19.68	19.68	21.60
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3782.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1		19.72	19.70	21.60
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1		19.70	19.74	21.60

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	21.69			22.40
100		1	137	21.67			22.40
100		1	271	21.58			22.40
100		135	0	21.53			22.40
100		135	69	21.66			22.40
100	QPSK	135	138	21.65			22.40
100		270	0	21.68			22.40
100		1	1	21.54			22.40
100		1	137	21.66			22.40
100		1	271	21.56			22.40
100	16QAM	135	0	21.59			22.40
100		135	69	21.63			22.40
100		135	138	21.65			22.40
100	64QAM	270	0	21.60			22.40
100	16QAM	1	1	21.62			22.40
100	64QAM	1	1	21.19			21.50
100	256QAM	1	1	19.17			19.50
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	21.63	21.66	21.51	22.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	21.51	21.51	21.53	22.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	21.50	21.56	21.52	22.40
Channel				632000	633332	634666	
Frequency (MHz)				3485	3499.98	3518.99	
60	PI2 BPSK	1	1	21.56	21.63	21.53	22.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	21.58	21.52	21.56	22.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	21.64	21.55	21.59	22.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	21.56	21.61	21.60	22.40
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	21.52	21.56	21.48	22.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	21.50	21.52	21.52	22.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	21.49	21.64	21.57	22.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	21.60	21.62	21.54	22.40

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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				633300	633332	633666	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1	24.55			25.40
100		1	137	24.53			25.40
100		1	271	24.39			25.40
100		135	0	24.43			25.40
100		135	69	24.54			25.40
100	QPSK	135	138	24.53			25.40
100		270	0	24.45			25.40
100		1	1	24.45			25.40
100		1	137	24.39			25.40
100		1	271	24.50			25.40
100	16QAM	135	0	24.43			25.40
100		135	69	24.48			25.40
100		135	138	24.46			25.40
100	64QAM	270	0	24.40			25.40
100	16QAM	1	1	24.52			25.40
100	64QAM	1	1	24.47			25.40
100	256QAM	1	1	22.78			24.00
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI2 BPSK	1	1	24.40	24.51	24.48	25.40
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI2 BPSK	1	1	24.36	24.48	24.36	25.40
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI2 BPSK	1	1	24.32	24.46	24.37	25.40
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3518.99	
60	PI2 BPSK	1	1	24.40	24.36	24.36	25.40
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI2 BPSK	1	1	24.33	24.43	24.33	25.40
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI2 BPSK	1	1	24.45	24.46	24.38	25.40
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI2 BPSK	1	1	24.44	24.37	24.40	25.40
Channel				630634	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI2 BPSK	1	1	24.35	24.43	24.39	25.40
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI2 BPSK	1	1	24.44	24.30	24.34	25.40
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI2 BPSK	1	1	24.33	24.38	24.37	25.40
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI2 BPSK	1	1	24.43	24.44	24.39	25.40

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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				650000	656668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	PI2 BPSK	1	1	21.58	22.03	22.12	21.99	22.40
100		1	137	21.47	21.47	21.61	21.48	22.40
100		1	271	21.51	21.52	21.64	21.59	22.40
100		135	0	21.43	21.47	21.60	21.51	22.40
100		135	69	21.56	21.58	21.63	21.61	22.40
100		135	138	21.49	21.53	21.63	21.51	22.40
100		270	0	21.42	21.41	21.60	21.56	22.40
100		1	1	21.41	21.45	21.54	21.39	22.40
100		1	137	21.53	21.45	21.62	21.46	22.40
100		1	271	21.43	21.54	21.62	21.52	22.40
100	QPSK	135	0	21.45	21.58	21.64	21.53	22.40
100		135	69	21.51	21.58	21.61	21.55	22.40
100		135	138	21.43	21.50	21.58	21.50	22.40
100		270	0	21.46	21.48	21.62	21.53	22.40
100	16QAM	1	1	21.38	21.54	21.60	21.54	22.40
100	64QAM	1	1	20.76	20.71	20.80	20.71	21.50
100	256QAM	1	1	18.94	18.86	18.97	18.82	19.50
Channel				648668	655500	661334	662332	Tune-up Limit (dbm)
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	P12 BPSK	1	1	21.52	21.88	21.92	21.60	22.40
Channel				648334	653334	661334	662666	Tune-up Limit (dbm)
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	P12 BPSK	1	1	21.51	21.61	21.61	21.55	22.40
Channel				649000	655168	661334	663000	Tune-up Limit (dbm)
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	P12 BPSK	1	1	21.54	21.48	21.55	21.54	22.40
Channel				648668	650000	661334	663332	Tune-up Limit (dbm)
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	P12 BPSK	1	1	21.48	21.54	21.54	21.50	22.40
Channel				648334	654934	661334	663666	Tune-up Limit (dbm)
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	P12 BPSK	1	1	21.43	21.49	21.65	21.53	22.40
Channel				648000	654668	661334	664000	Tune-up Limit (dbm)
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	P12 BPSK	1	1	21.44	21.55	21.52	21.50	22.40
Channel				647668	654900	661334	664332	Tune-up Limit (dbm)
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	P12 BPSK	1	1	21.56	21.52	21.55	21.47	22.40
Channel				647500	654418	661334	664500	Tune-up Limit (dbm)
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	P12 BPSK	1	1	21.54	21.61	21.63	21.49	22.40
Channel				647334	654334	661334	664666	Tune-up Limit (dbm)
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	P12 BPSK	1	1	21.52	21.48	21.58	21.49	22.40
Channel				647168	654250	661334	664832	Tune-up Limit (dbm)
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	P12 BPSK	1	1	21.50	21.55	21.58	21.50	22.40
Channel				647000	654168	661334	665000	Tune-up Limit (dbm)
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	P12 BPSK	1	1	21.54	21.51	21.51	21.50	22.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dbm)	
Channel				650000	655668	661334	662000	
Frequency (MHz)				3750	3835.02	3920.01	3930	
100	PI2 BPSK	1	1	24.61	24.63	24.67	24.44	25.40
100		1	137	24.50	24.49	24.59	24.29	25.40
100		1	271	24.46	24.37	24.54	24.27	25.40
100		135	0	24.48	24.44	24.57	24.24	25.40
100		135	69	24.63	24.61	24.66	24.43	25.40
100		135	138	24.49	24.45	24.60	24.34	25.40
100		270	0	24.53	24.57	24.65	24.30	25.40
100		1	1	24.47	24.44	24.59	24.27	25.40
100		1	137	24.38	24.47	24.59	24.35	25.40
100		1	271	24.52	24.49	24.60	24.29	25.40
100	QPSK	135	0	24.44	24.55	24.63	24.32	25.40
100		135	69	24.39	24.38	24.55	24.28	25.40
100		135	138	24.55	24.55	24.65	24.37	25.40
100		270	0	24.37	24.49	24.58	24.36	25.40
100	16QAM	1	1	24.50	24.52	24.59	24.26	25.40
100	64QAM	1	1	23.98	24.09	24.20	23.95	24.50
100	256QAM	1	1	22.04	22.12	22.21	21.99	22.50
Channel				649668	655600	661334	662332	
Frequency (MHz)				3745.02	3832.5	3920.01	3934.98	
90	P12 BPSK	1	1	24.55	24.62	24.60	24.43	25.40
Channel				649334	655334	661334	662666	
Frequency (MHz)				3740.01	3830.01	3920.01	3939.99	
80	P12 BPSK	1	1	24.48	24.52	24.59	24.34	25.40
Channel				649000	655168	661334	663000	
Frequency (MHz)				3735	3827.52	3920.01	3945	
70	P12 BPSK	1	1	24.47	24.57	24.60	24.47	25.40
Channel				648668	655000	661334	663332	
Frequency (MHz)				3730.02	3825	3920.01	3949.98	
60	P12 BPSK	1	1	24.54	24.59	24.52	24.41	25.40
Channel				648334	654934	661334	663666	
Frequency (MHz)				3725.01	3822.51	3920.01	3954.99	
50	P12 BPSK	1	1	24.53	24.57	24.60	24.33	25.40
Channel				648000	654668	661334	664000	
Frequency (MHz)				3720	3820.02	3920.01	3960	
40	P12 BPSK	1	1	24.51	24.54	24.59	24.43	25.40
Channel				647668	654600	661334	664332	
Frequency (MHz)				3715.02	3817.5	3920.01	3964.98	
30	P12 BPSK	1	1	24.47	24.57	24.63	24.40	25.40
Channel				647500	654418	661334	664500	
Frequency (MHz)				3712.5	3816.27	3920.01	3967.5	
25	P12 BPSK	1	1	24.47	24.51	24.65	24.34	25.40
Channel				647334	654334	661334	664666	
Frequency (MHz)				3710.01	3815.01	3920.01	3969.99	
20	P12 BPSK	1	1	24.50	24.59	24.60	24.37	25.40
Channel				647168	654250	661334	664832	
Frequency (MHz)				3707.52	3813.75	3920.01	3972.48	
15	P12 BPSK	1	1	24.57	24.58	24.61	24.41	25.40
Channel				647000	654168	661334	665000	
Frequency (MHz)				3705	3812.52	3920.01	3975	
10	P12 BPSK	1	1	24.59	24.55	24.55	24.40	25.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Max/Ch / Freq.	Power Min/Ch / Freq.	Power High/Ch / Freq.	Tune-up Limit (dBm)	
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up Limit (dBm)	
100	Pi/2 BPSK	1	1	3495	3499.98		25.40	
100		1	157	24.43	24.43		25.40	
100		1	271	24.33	24.33		25.40	
100		135	0	24.38	24.38		25.40	
100		135	69	24.46	24.46		25.40	
100		135	138	24.41	24.41		25.40	
100		270	0	24.34	24.34		25.40	
100		1	1	24.37	24.37		25.40	
100		1	157	24.30	24.30		25.40	
100		1	271	24.42	24.42		25.40	
100	QPSK	135	0	24.38	24.38		25.40	
100		135	69	24.33	24.33		25.40	
100		135	138	24.44	24.44		25.40	
100		270	0	24.35	24.35		25.40	
100		16QAM	1	1	24.46	24.46		25.40
100		64QAM	1	1	24.36	24.36		25.40
100		256QAM	1	1	22.73	22.73		24.00
Channel				633000	633332	633666	Tune-up Limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99	25.40	
90		Pi/2 BPSK	1	1	24.38	24.43	24.40	25.40
Channel				632668	633332	634000	Tune-up Limit (dBm)	
Frequency (MHz)				3490.02	3499.98	3510	25.40	
80	Pi/2 BPSK	1	1	24.34	24.42	24.31	25.40	
Channel				632594	633332	633552	Tune-up Limit (dBm)	
Frequency (MHz)				3485.01	3499.98	3514.98	25.40	
70	Pi/2 BPSK	1	1	24.30	24.32	24.28	25.40	
Channel				632000	633332	634666	Tune-up Limit (dBm)	
Frequency (MHz)				3480	3499.98	3519.99	25.40	
60	Pi/2 BPSK	1	1	24.38	24.41	24.30	25.40	
Channel				631668	633332	635000	Tune-up Limit (dBm)	
Frequency (MHz)				3472.02	3499.98	3525	25.40	
50	Pi/2 BPSK	1	1	24.30	24.38	24.27	25.40	
Channel				631334	633332	635332	Tune-up Limit (dBm)	
Frequency (MHz)				3470.01	3499.98	3529.98	25.40	
40	Pi/2 BPSK	1	1	24.25	24.38	24.35	25.40	
Channel				631000	633332	635666	Tune-up Limit (dBm)	
Frequency (MHz)				3465	3499.98	3534.99	25.40	
30	Pi/2 BPSK	1	1	24.25	24.33	24.31	25.40	
Channel				630704	633332	635992	Tune-up Limit (dBm)	
Frequency (MHz)				3462.01	3499.98	3537.03	25.40	
25	Pi/2 BPSK	1	1	24.30	24.31	24.31	25.40	
Channel				630668	633332	636000	Tune-up Limit (dBm)	
Frequency (MHz)				3460.02	3499.98	3540	25.40	
20	Pi/2 BPSK	1	1	24.38	24.38	24.27	25.40	
Channel				630500	633332	636166	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3499.98	3542.49	25.40	
15	Pi/2 BPSK	1	1	24.31	24.33	24.33	25.40	
Channel				630334	633332	636332	Tune-up Limit (dBm)	
Frequency (MHz)				3455.01	3499.98	3544.98	25.40	
10	Pi/2 BPSK	1	1	24.31	24.42	24.32	25.40	

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	21.62			22.40
100		1	137	21.50			22.40
100		1	271	21.55			22.40
100		135	0	21.42			22.40
100		135	69	21.59			22.40
100		135	138	21.55			22.40
100		270	0	21.50			22.40
100		1	1	21.51			22.40
100		1	137	21.58			22.40
100		1	271	21.48			22.40
100	QPSK	135	0	21.54			22.40
100		135	69	21.45			22.40
100		135	138	21.52			22.40
100		270	0	21.45			22.40
100	16QAM	1	1	21.51			22.40
100	64QAM	1	1	20.67			21.50
100	256QAM	1	1	18.88			19.50
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	3745.02	3750	3754.98	22.40
Channel							
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	21.49	21.54	21.42	22.40
Channel							
Frequency (MHz)				649600	650000	651000	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	3735	3750	3765	22.40
Channel							
Frequency (MHz)				648668	650000	651332	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	3730.02	3750	3760.98	22.40
Channel							
Frequency (MHz)				648334	650000	651666	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	3725.01	3750	3774.99	22.40
Channel							
Frequency (MHz)				648000	650000	652000	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	3720	3750	3760	22.40
Channel							
Frequency (MHz)				647668	650000	652332	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	3715.02	3750	3784.98	22.40
Channel							
Frequency (MHz)				647500	650000	652500	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	3712.5	3750	3787.5	22.40
Channel							
Frequency (MHz)				647334	650000	652666	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	3710.01	3750	3789.99	22.40
Channel							
Frequency (MHz)				647168	650000	652832	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	3707.52	3750	3792.48	22.40
Channel							
Frequency (MHz)				647000	650000	653000	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	3705	3750	3795	22.40

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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							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	24.56			25.40
100		1	137	24.33			25.40
100		1	271	24.24			25.40
100		135	0	24.35			25.40
100		135	69	24.46			25.40
100		135	138	24.41			25.40
100		270	0	24.52			25.40
100		1	1	24.31			25.40
100		1	137	24.38			25.40
100		1	271	24.46			25.40
100	QPSK	135	0	24.42			25.40
100		135	69	24.29			25.40
100		135	138	24.51			25.40
100		270	0	24.40			25.40
100	16QAM	1	1	24.59			25.40
100	64QAM	1	1	24.06			25.40
100	256QAM	1	1	22.04			24.00
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	3744.98	3750	3754.98	25.40
Channel							
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	24.42	24.47	24.47	25.40
Channel							
Frequency (MHz)				649000	650000	651000	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	3735	3750	3765	25.40
Channel							
Frequency (MHz)				648668	650000	651332	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	3730.02	3750	3760.98	25.40
Channel							
Frequency (MHz)				648334	650000	651666	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	3725.01	3750	3774.99	25.40
Channel							
Frequency (MHz)				648000	650000	652000	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	3720	3750	3760	25.40
Channel							
Frequency (MHz)				647668	650000	652332	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	3715.02	3750	3784.98	25.40
Channel							
Frequency (MHz)				647500	650000	652500	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	3712.5	3750	3787.5	25.40
Channel							
Frequency (MHz)				647334	650000	652666	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	3710.01	3750	3789.99	25.40
Channel							
Frequency (MHz)				647168	650000	652832	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	3707.52	3750	3792.48	25.40
Channel							
Frequency (MHz)				647000	650000	653000	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	3705	3750	3795	25.40

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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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		23.31		24.00
10		1	26		23.28		24.00
10		1	50		23.16		24.00
10		25	0		23.12		24.00
10		25	14		23.29		24.00
10		25	27		23.12		24.00
10		50	0		23.22		24.00
10		1	1		23.27		24.00
10	QPSK	1	26		23.21		24.00
10		1	50		23.14		24.00
10		25	0		23.10		24.00
10		25	14		23.29		24.00
10		25	27		23.22		24.00
10		50	0		23.22		24.00
10		16QAM	1	1	23.13		24.00
10		64QAM	1	1	22.08		23.00
10	256QAM	1	1	20.07		21.00	
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	23.25	23.28	23.26	24.00

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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					158600		
Frequency (MHz)					793		
10	Pi/2 BPSK	1	1		25.36		26.00
10		1	26		25.27		26.00
10		1	50		25.32		26.00
10		25	0		25.24		26.00
10		25	14		25.34		26.00
10		25	27		25.27		26.00
10		50	0		25.25		26.00
10		1	1		25.31		26.00
10	QPSK	1	26		25.28		26.00
10		1	50		25.29		26.00
10		25	0		25.29		26.00
10		25	14		25.29		26.00
10		25	27		25.28		26.00
10		50	0		25.26		26.00
10		16QAM	1	1	25.28		26.00
10		64QAM	1	1	23.57		24.50
10	256QAM	1	1		21.57		22.50
Channel				158100	158600	159100	
Frequency (MHz)				790.5	793	795.5	
5	Pi/2 BPSK	1	1	25.16	25.29	25.23	26.00

<FR1 n71_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.41		24.00
35		1	90		23.25		24.00
35		1	186		23.22		24.00
35		90	0		23.38		24.00
35		90	45		23.39		24.00
35		90	90		23.35		24.00
35		180	0		23.33		24.00
35		1	1		23.24		24.00
35		1	90		23.16		24.00
35		1	186		23.22		24.00
35	QPSK	90	0		23.26		24.00
35		90	45		23.29		24.00
35		90	90		23.24		24.00
35		180	0		23.39		24.00
35		16QAM	1	1	23.15		24.00
35		64QAM	1	1	22.21		23.00
35	256QAM	1	1		20.27		21.00
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.31	23.36	23.33	24.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.17	23.32	23.30	24.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.23	23.25	23.25	24.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.25	23.34	23.24	24.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.24	23.20	23.25	24.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.20	23.29	23.26	24.00

<FR1 n71_HPUE_Ant 0_DSI 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					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		26.37		27.00
35		1	90		26.28		27.00
35		1	186		26.24		27.00
35		90	0		25.92		26.50
35		90	45		26.35		27.00
35		90	90		25.84		26.50
35		180	0		25.92		26.50
35		1	1		26.31		27.00
35		1	90		26.29		27.00
35		1	186		26.27		27.00
35	QPSK	90	0		25.36		26.00
35		90	45		26.26		27.00
35		90	90		25.26		26.00
35		180	0		25.17		26.00
35		16QAM	1	1	25.29		26.00
35		64QAM	1	1	23.70		24.50
35	256QAM	1	1		21.67		22.50
Channel				135600	136100	136600	Tune-up Limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	26.31	26.36	26.28	27.00
Channel				135100	136100	137100	Tune-up Limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	26.29	26.23	26.25	27.00
Channel				134600	136100	137600	Tune-up Limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	26.19	26.24	26.17	27.00
Channel				134100	136100	138100	Tune-up Limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	26.19	26.20	26.16	27.00
Channel				133600	136100	138600	Tune-up Limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	26.18	26.32	26.21	27.00
Channel				133100	136100	139100	Tune-up Limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	26.18	26.24	26.16	27.00